

LIST OF PUBLICATIONS

Aryabhata Research Institute of Observational Sciences
ARIES
(An Autonomous Scientific Research Institute of Department of
Science and Technology, Govt. of India)
Manora Peak, Naini Tal - 263 129, India

(1955–2020)

ABBREVIATIONS

AA: Astronomy and Astrophysics
AASS: Astronomy and Astrophysics Supplement Series
ACTA: Acta Astronomica
AJ: Astronomical Journal
ANG: Annals de Geophysique
Ap. J.: Astrophysical Journal
ASP: Astronomical Society of Pacific
ASR: Advances in Space Research
ASS: Astrophysics and Space Science
AE: Atmospheric Environment
ASL: Atmospheric Science Letters
BA: Baltic Astronomy
BAC: Bulletin Astronomical Institute of Czechoslovakia
BASI: Bulletin of the Astronomical Society of India
BIVS: Bulletin of the Indian Vacuum Society
BNIS: Bulletin of National Institute of Sciences
CJAA: Chinese Journal of Astronomy and Astrophysics
CS: Current Science
EPS: Earth Planets Space
GRL : Geophysical Research Letters
IAU: International Astronomical Union
IBVS: Information Bulletin on Variable Stars
IJHS: Indian Journal of History of Science
IJPAP: Indian Journal of Pure and Applied Physics
IJRSP: Indian Journal of Radio and Space Physics
INSA: Indian National Science Academy
JAA: Journal of Astrophysics and Astronomy
JAMC: Journal of Applied Meteorology and Climatology
JATP: Journal of Atmospheric and Terrestrial Physics
JBAA: Journal of British Astronomical Association
JCAP: Journal of Cosmology and Astroparticle Physics

JESS : Jr. of Earth System Science
JGR : Journal of Geophysical Research
JIGR: Journal of Indian Geophysical Research
JKAS: Journal of Korean Astronomical Society
JQSRT: Journal of Quantitative Spectroscopy and Radiative Transfer
JRAS: Journal of Royal Astronomical Society of Canada
JSIR: Journal of Scientific and Industrial Research
KOB: Kodiakanal Observatory Bulletins
MNRAS: Monthly Notices of the Royal Astronomical Society
MRAS: Memoires of Royal Astronomical Society
MSAI: Memorie della Società Astronomica Italiana
MP,EMP: The Moon and Planets or Earth, Moon and Planets
NA: New Astronomy
OPT: Journal of Optics
OBS: The Observatory
PASA: Proceedings of the Astronomical Society of Australia
PASJ: Publications of the Astronomical Society of Japan
PNAS: Proceedings of National Academy of Sciences
PR: The Physical Review
RMAA: Revista Mexicana de Astronomiay Astrofisiaca
SA: Soviet Astronomy
SP: Solar Physics
SSR: Space Science Reviews
UB: Universe and Beyond
VN: Vac News
ZA: Zeitschrift fur Astrophysik

1. SPECTROPHOTOMETRY OF WOLF-RAYET BINARY SYSTEM, **M. K. V. Bappu & S. D. Sinhal**, *AJ* **60**, 152, 1955.
2. A SPECTROGRAPHIC STUDY OF HD 214419, **M. K. V. Bappu & S. D. Sinhal**, *PNAS*, 1955.
3. OBSERVATIONS OF MARS ON 29TH AUGUST, 1956, **M. K. V. Bappu, S. D. Sinhal & S. Chandra**, *IAU cir. no.* 1564, 1956.
4. PHYSICAL CONDITIONS IN WOLF-ROYET ATMOSPHERES, **M. K. V. Bappu**, *BNIS* **9**, 155, 1957.
5. POLARISATION OF COMET AREND ROLAND, **M. K. V. Bappu & S. D. Sinhal**, *Nature* **180**, 1410, 1957.
6. PHOTOGRAPHIC OBSERVATIONS OF THE MOON'S POSITION, **M. K. V. Bappu**, *JSIR* **17A**, 88, 1958.
7. OPTICAL TRACKING OF ARTIFICIAL SATELLITES, **M. K. V. Bappu**, *JSIR* **17A**, 95, 1958.
8. PHYSICAL ANALYSIS OF WOLF-RAYET SPECTRA, **M. K. V. Bappu**, *MRAS Liege* **20**, 40, 1958.
9. LIGHT VARIATIONS OF 6 CAS, **M. K. V. Bappu**, *OBS* **79**, 100, 1959.
10. INTERFERENCE FILTER PHOTOMETRY OF WEAK EMISSION LINES IN CQ CEP, **M. K. V. Bappu & S. D. Sinhal**, *OBS* **79**, 140, 1959.
11. IGY PROGRAMME AT UPSO NAINITAL, **S. D. Sinhal**, *Fullbright News Letter* **6**, 3, 1959.
12. POLARISATION MEASURES OF COMET AREND ROLAND, **M. K. V. Bappu & S. D. Sinhal**, *MNRAS* **120**, 152, 1960.
13. PHOTOELECTRIC OBSERVATIONS OF ECLIPSING BINARY 32 CYG, **S. Chandra & M. C. Pande**, *OBS* **80**, 146, 1960.
14. A PRELIMINARY NOTE ON THE LIGHT VARIATIONS IN TAU CYG, **M. C. Pande**, *OBS* **80**, 225, 1960.
15. A NOTE ON THE PERIOD OF EH LIBRAE, **N. B. Sanwal & M. C. Pande**, *OBS* **81**, 199, 1960.
16. STUDY OF VARIATIONS OF THE FORBIDDEN OXYGEN LINES IN THE NIGHT AIR-GLOW, **M. C. Pande & S. S. Verma**, *JATP* **20**, 195, 1961.
17. SOME OBSERVATIONS ON THE LIGHT VARIABILITY OF RY BOO, **N. B. Sanwal & M. C. Pande**, *OBS* **81**, 200, 1961.
18. PHOTOELECTRIC MEASURES OF HYDROGEN LINE ABSORPTION IN EARLY TYPE STARS, **M. K. V. Bappu, S. Chandra, N. B. Sanwal & S. D. Sinhal**, *MNRAS* **123**, 521, 1962.

19. OBSERVATIONS OF THE OCCULTATIONS OF BD-5° 5863 BY PALLAS, **S. D. Sinhval, N. B. Sanwal & M. C. Pande**, *OBS* **82**, 16, 1962.
20. A NOTE ON THE PERIOD VARIATION OF CY AQR, **N. B. Sanwal**, *OBS* **82**, 24, 1962.
21. ON THE VARIABILITY OF IM MON, **A. Sanyal & S. D. Sinhval**, *OBS* **84**, 211, 1964.
22. PHOTOELECTRIC OBSERVATIONS OF THE ECLIPSING VARIABLE IM MON, **A. Sanyal, H. S. Mahra & N. B. Sanwal**, *BAC* **16**, 209, 1965.
23. ON THE BEAT PERIOD OF KP PER, **S. C. Joshi**, *ZA* **64**, 518, 1966.
24. A STUDY OF THE PERIOD VARIATION OF W UMA, **S. C. Joshi**, *BAC* **17**, 31, 1966.
25. PREDAWN ENHANCEMENT OF THE NIGHT AIRGLOW OXYGEN RED LINE DOUBLET 6300-64 Å AT NAINITAL, **P. P. Saxena**, *IQSY Symp. N. Delhi*, p. 460, 1966.
26. BEHAVIOUR OF OXYGEN GREEN LINE 5577 Å IN NIGHT AIRGLOW AT NAINITAL, **P. P. Saxena**, *IQSY Symp N. Delhi*, p. 455, 1966.
27. SATURATION OF THE CORES OF CO LINES IN THE SOLAR SPECTRUM, **M. C. Pande & G. F. Sitnik**, *SA* **9**, 971, 1966.
28. DIFFUSION AND DISSOCIATION OF CO MOLECULES IN THE SOLAR ATMOSPHERE, **M. C. Pande**, *SA* **10**, 320, 1966.
29. THE POSSIBILITY OF FORMATION OF TRIATOMIC MOLECULES IN THE SOLAR ATMOSPHERE, **M. C. Pande & G. F. Sitnik**, *SA* **11**, 70, 1967.
30. PHOTOELECTRIC STUDY OF THE ULTRA SHORT PERIOD STAR SZ LYN, **S. C. Joshi & H. N. Srivastava**, *ZA* **67**, 456, 1967.
31. ON THE POSSIBLE EXISTENCE OF SH IN SOLAR ATMOSPHERE, **M. C. Pande, V. P. Gaur & B. M. Tripathi**, *Proc. X Symp. on Cosmic Rays Elementary Particle Physics and Astrophysics, Aligarh*, p. 329, 1967.
32. THREE COLOUR PHOTOMETRY OF KP PERSEI, **S. C. Joshi**, *Proc. X Symp. on Cosmic Rays Elementary Particle Physics and Astrophysics, Aligarh*, p. 344, 1967.
33. PHOTOELECTRIC ELEMENTS OF THE ECLIPSING BINARY ZZ CEP, **C. D. Kandpal & J. B. Srivastava**, *BAC* **18**, 265, 1967.
34. VIBRATIONAL AND KINETIC TEMPERATURES OF CO MOLECULES IN THE SOLAR SPECTRUM, **G. F. Sitnik & M. C. Pande**, *SA* **11**, 403, 1967.
35. PHOTOELECTRIC STUDY OF 53 ARI, **K. R. Bondal**, *OBS* **87**, 220, 1968.
36. ON THE POSSIBILITY OF TRIATOMIC MOLECULAR FORMATION IN THE SOLAR ATMOSPHERE, **G. F. Sitnik & M. C. Pande**, *SA* **11**, 70, 1968.

37. TWO DECAY PROCESSES OF CO MOLECULES IN THE SOLAR PHOTOSPHERE, **G. F. Sitnik & M. C. Pande**, *SA* **11**, 588, 1968.
38. EQUILIBRIUM DISTRIBUTION OF CO MOLECULES OVER THEIR DEGREES OF FREEDOM IN THE SOLAR ATMOSPHERE, **M. C. Pande**, *SA* **11**, 592, 1968.
39. A STUDY OF THE PHOTOELECTRIC SYSTEM OF THE 15-INCH REFLECTOR AT UPSO, NAINITAL, **K. R. Bondal**, *BAC* **19**, 253, 1968.
40. ON THE PERIOD OF VZ CNC, **H. S. Mahra & A. Sanyal**, *OBS* **88**, 58, 1968.
41. PHOTOELECTRIC INVESTIGATIONS OF TAU CYG, **M. M. Pant, V. P. Gaur & M. C. Pande**, *OBS* **88**, 221, 1968.
42. ATOMIC NITROGEN AND NITRIC OXIDE IN THE UPPER ATMOSPHERE DURING DAY TIME, **P. P. Saxena**, *ANG* **24**, 1023, 1968.
43. PHOTOELECTRIC ELEMENTS OF ECLIPSING BINARY TX LEO, **J. B. Srivastava & C. D. Kandpal**, *BAC* **19**, 381, 1968.
44. ROTATIONAL VELOCITIES AND MAGNETIC FIELDS OF AP STARS, **G. S. D. Babu**, *Proc. XI COGAP Symp. Delhi*, p. 451, 1969.
45. THE LIGHT VARIATIONS OF GAMMA UMI, **S. C. Joshi, S. K. Gurtu & M. C. Joshi**, *OBS* **89**, 112, 1969.
46. ACTIVITIES OF THE SOLAR SECTION OF UPSO, NAINITAL, **M. C. Pande**, *Proc. Symp. on Optical Astronomy with Moderate Size Telescopes, Hyderabad*, p. 55, 1969.
47. PULSATION MODES OF SOME RR LYRAE STARS, **S. C. Joshi**, *Proc. Symp. on Optical Astronomy with Moderate Size Telescopes, Hyderabad*, p. 55, 1969.
48. MOLECULES IN THE SOLAR PHOTOSPHERE, **M. C. Pande, V. P. Gaur & B. M. Tripathi**, *SP* **7**, 17, 1969.
49. THE DEPENDENCE OF FACULA-PHOTOSPHERE CONTRAST IN MOLECULAR LINES ON DISSOCIATION ENERGY, **M. C. Pande, V. P. Gaur & B. M. Tripathi**, *SP* **7**, 370, 1969.
50. ATOMIC NITROGEN AND NITRIC OXIDE IN THE UPPER ATMOSPHERE DURING NIGHT TIME, **P. P. Saxena**, *ANG* **25**, 147, 1969.
51. ON THE CHAPMAN MECHANISM FOR SODIUM NIGHT AIRGLOW, **P. P. Saxena**, *ANG* **25**, 847, 1969.
52. ATOMIC NITROGEN AND NITRIC OXIDE IN THE ATMOSPHERE IN THE ALTITUDE RANGE 110-240 KM. AND THEIR CONTRIBUTION TO NIGHT AIRGLOW, **P. P. Saxena**, *Proc. III International Symp. on Equatorial Aeronomy, Ahmedabad*, p. 457, 1969.
53. THE 104-CM TELESCOPE OF UTTAR PRADESH STATE OBSERVATORY, **S. D. Sinvhal, C. D. Kandpal, H. S. Mahra, S. C. Joshi & J. B. Srivastava**, *Proc. Symp. on Optical Astronomy with Moderate Size Telescope, Hyderabad*, p. 20, 1969.

54. ON THE ACCURACY OF ATA TIME SIGNALS, **H. S. Mahra**, *IJPAP* **8**, 503, 1970.
55. NAINI TAL SUDDEN SKY BRIGHTENING, **P. P. Saxena & G. S. D. Babu**, *Smithsonian Inst. Center for Short Lived Phenomena No. 966*, June 22, 1970.
56. ON THE VARIABILITY OF V429 ORI, **H. S. Mahra**, *OBS* **90**, 28, 1970.
57. BEHAVIOUR OF SODIUM AIRGLOW IN THE NIGHT TIME UPPER ATMOSPHERE, **P. P. Saxena**, *ANG* **26**, 505, 1970.
58. ESTIMATION OF ATOMIC NITROGEN AND NITRIC OXIDE IN THE NIGHT TIME ATMOSPHERE IN THE ALTITUDE REGION 80-110 KM. AND THEIR CONTRIBUTION TO NIGHT AIRGLOW CONTINUUM, **P. P. Saxena**, *ANG* **26**, 771, 1970.
59. PHOTOELECTRIC ELEMENTS OF THE ECLIPSING BINARY ST PER, **R. K. Srivastava**, *BAC* **21**, 219, 1970.
60. PHOTOELECTRIC ELEMENTS OF THE ECLIPSING SYSTEM WX CEP, **C. D. Kandpal & J. B. Srivastava**, *BAC* **21**, 345, 1970.
61. PHOTOELECTRIC STUDY OF THE ECLIPSING SYSTEM GG CAS, **J. B. Srivastava & C. D. Kandpal**, *BAC* **21**, 353, 1970.
62. PHOTOELECTRIC LIGHT ELEMENTS OF IZ PER, **R. K. Srivastava & T. D. Padalia**, *BAC* **21**, 359, 1970.
63. EFFECTIVE TEMPERATURES OF SOME MAGNETIC STARS, **G. S. D. Babu**, *OBS* **91**, 125, 1971.
64. SOME OBSERVATIONS OF THE FLARE STAR YZ CMi, **T. R. Bhatt & S. D. Sinval**, *IAU Coll. No. 15*, p. 124, 1971.
65. PHOTOELECTRIC OBSERVATIONS OF THE FLARE STAR YZCMi, **T. R. Bhatt & S. D. Sinval**, *IBVS No. 557*, 1971.
66. DEPENDENCE OF MOLECULAR DISSOCIATION EQUILIBRIUM ON MAGNETIC FIELD STRENGTHS IN SUNSPOTS, **V. P. Gaur, M. C. Pande, B. M. Tripathi & G. C. Joshi**, *BAC* **22**, 157, 1971.
67. STUDIES IN COLOURS AND MAGNITUDES OF SHORT PERIOD CEPHEIDS, **S. C. Joshi**, *Agra Univ. Jour. of Research* **20**, 97, 1971.
68. A NOTE ON THE EFFECT OF SCATTERED LIGHT ON FACULA TO PHOTOSPHERE CONTRAST, **M. C. Pande, B. M. Tripathi & V. P. Gaur**, *BAC* **22**, 161, 1971.
69. THE DISSOCIATION EQUILIBRIUM OF SOME DIATOMIC MOLECULES IN DELTA CEP, **M. C. Pande, B. M. Tripathi, C. S. Murthy & V. P. Gaur**, *BAC* **22**, 196, 1971.
70. A BROAD BAND INDEX FOR THE EFFECTIVE TEMPERATURE OF NORMAL LATE TYPE STARS, **J. P. Chaturvedi**, *BAC* **23**, 48, 1972.
71. ON MAGNETIC STARS, **G. S. D. Babu & S. D. Sinval**, *BAC* **23**, 297, 1972.

72. MOLECULES IN ETA AQL, **M. C. Pande, G. C. Joshi, B. M. Tripathi & V. P. Gaur**, *BAC* **23**, 301, 1972.
73. SPECTROPHOTOMETRY OF COMET BENNETT, **G. S. D. Babu & P. P. Saxena**, *BAC* **23**, 346, 1972.
74. CONTINUOUS ENERGY DISTRIBUTION IN STARS, **S. C. Joshi**, *Proc. Symp. Spectroscopic Studies of Astrophysical Interest, Hyderabad*, p. 43, 1972.
75. ENERGY DISTRIBUTION OF A FEW LATE TYPE STARS, **J. P. Chaturvedi**, *Proc. Symp. Spectroscopic Studies of Astrophysical Interest, Hyderabad*, p. 69, 1972.
76. EFFECTIVE TEMPERATURES OF SOME AP AND A STARS, **G. S. D. Babu**, *Proc. Symp. Spectroscopic Studies of Astrophysical Interest, Hyderabad*, p. 99, 1972.
77. MOLECULES IN THE SUN, **M. C. Pande**, *Proc. Symp. Spectroscopic Studies of Astrophysical Interest, Hyderabad*, p. 285, 1972.
78. HCL IN SUNSPOTS, **V. P. Gaur & M. C. Pande**, *Proc. Symp. Spectroscopic Studies of Astrophysical Interest, Hyderabad*, p. 303, 1972.
79. PHOTOELECTRIC SURVEILLANCE OF THE FLARE STARS YZ CMI, AD LEO, EV LAC, **R. C. Kapoor & S. D. Sinhal**, *IBVS No. 750*, 1972.
80. LIGHT VARIATIONS OF 59 PSC, **S. K. Gupta & A. K. Bhatnagar**, *IBVS No. 751*, 1972.
81. BEHAVIOUR OF THE FORBIDDEN RED-LINES OF OI IN THE NIGHT AIRGLOW AT NAINI TAL, **P. P. Saxena**, *ANG* **28**, 843, 1972.
82. FLARES OF YZ CMI, **R. C. Kapoor**, *IBVS No. 758*, 1973.
83. ABSENCE OF PHILLIPS BANDS IN THE SOLAR PHOTOSPHERIC SPECTRUM, **K. Sinha**, *BAC* **24**, 136, 1973.
84. MOLECULAR ABUNDANCES IN SUNSPOTS, **V. P. Gaur, M. C. Pande & B. M. Tripathi**, *BAC* **24**, 138, 1973.
85. C₂ IN ETA AQL SPECTRUM, **K. R. Bondal, G. C. Joshi & M. C. Pande**, *BAC* **24**, 169, 1973.
86. ON THE OBSERVABILITY OF CO AND CO⁺ IN ETA AQL, **M. C. Pande & G. C. Joshi**, *BAC* **24**, 171, 1973.
87. IONISED MOLECULES IN BCA PHOTOSPHERIC MODEL, **M. C. Pande & V. P. Gaur**, *BAC* **24**, 207, 1973.
88. ON DIATOMIC MOLECULES IN FACULA MODEL, **B. M. Tripathi & M. C. Pande**, *BAC* **24**, 296, 1973.
89. INVESTIGATIONS OF TWO DELTA SCUTI STARS., **A. K. Bhatnagar & S. K. Gupta**, *IBVS No. 778*, 1973.

90. PHOTOELECTRIC MONITORING OF THE FLARE STARS AD LEO, EV LAC, **R. C. Kapoor, B. B. Sanwal & S. D. Sinvhal**, *IBVS No.* 810, 1973.
91. A FLARE ON AD LEO, **R. C. Kapoor**, *IBVS No.* 848, 1973.
92. THE LIGHT VARIABILITY OF 21 MON, **S. K. Gupta**, *OBS* **93**, 192, 1973.
93. THE EARLIEST PERIOD OF THE COSMOS, **R. C. Kapoor**, *ASS* **3**, 113, 1973.
94. ABSOLUTE ENERGY DISTRIBUTION OF TWO DELTA SCT VARIABLES, **S. C. Joshi & B. S. Rautela**, *AA* **29**, 155, 1973.
95. PHASE VARIATION OF NPG 18.6 KHZ VLF SIGNAL AS RECEIVED AT NAINI TAL , **H. S. Mahra**, *IJRSP* **2**, 101, 1973.
96. DIFFUSION OF CO AND CH MOLECULES IN THE SOLAR ATMOSPHERE, **K. Sinha & M. C. Pande**, *BAC* **24**, 334, 1973.
97. UTTAR PRADESH STATE OBSERVATORY, **S. D. Sinvhal**, *BASI* **1**, 23, 1973.
98. IAU SYMPOSIUM No. 59 ON STELLAR INSTABILITY AND EVOLUTION, **S. D. Sinvhal**, *BASI* **1**, 26, 1973.
99. SPECTROPHOTOMETRY OF COMET KOHOOTEK (1973F) DURING PRE-PERHELION PERIOD, **G. S. D. Babu**, *IAU Coll. No.* 25, p. 220, 1974.
100. A LUMINOSITY INDEX FOR BRIGHT KO-K5 STARS, **J. P. Chaturvedi**, *BAC* **25**, 15, 1974.
101. VIBRATION-ROTATION BANDS FOR HF, HBR AND HI IN THE SUN SPOT SPECTRUM, **M. C. Pande & V. P. Gaur**, *BAC* **25**, 81, 1974.
102. BALLIK RAMSAY BAND IN SOLAR SPECTRUM, **M. C. Pande & K. Sinha**, *BAC* **25**, 83, 1974.
103. FORMULATION OF C₂ MOLECULES IN SOLAR ATMOSPHERE, **K. Sinha & M. C. Pande**, *BAC* **25**, 84, 1974.
104. ON THE EQUIVALENT WIDTH OF CH LINE IN ETA AQL, **G. C. Joshi, K. R. Bondal & M. C. Pande**, *BAC* **25**, 120, 1974.
105. FINE STRUCTURE IN CA II K LINE, **L. M. Punetha**, *BAC* **25**, 207, 1974.
106. INTENSITY OSCILLATIONS ACROSS THE CA II LINE, **L. M. Punetha**, *BAC* **25**, 212, 1974.
107. NITRIC OXIDE IN SUNSPOTS, **V. P. Gaur**, *BAC* **25**, 220, 1974.
108. EQUIVALENT WIDTHS OF MOLECULAR LINES IN ETA AQL, **M. C. Pande, G. C. Joshi & K. R. Bondal**, *BAC* **25**, 318, 1974.
109. ENERGY DISTRIBUTION IN EARLY K-STARS, **J. P. Chaturvedi & S. D. Sinvhal**, *ASS* **29**, 427, 1974.

110. THREE COLOUR PHOTOMETRY OF GH PEG, **R. K. Srivastava & T. D. Padalia**, *ASS* **29**, 427, 1974.
111. FLARES ON AD LEO AND YZ CMI, **R. C. Kapoor & S. D. Sinvhal**, *IBVS No.* 901, 1974.
112. VARIABILITY OF 59 AUR AND 38 CNC, **S. K. Gupta & A. K. Bhatnagar**, *IBVS No.* 908, 1974.
113. FLARES ON AD LEO, **B. B. Sanwal**, *IBVS No.* 932, 1974.
114. NICOLAUS COPERNICUS AND THE COMMENTARIOLUS, **S. C. Joshi**, *IJHS* **9**, 14, 1974.
115. PRE-COPERNICAN ASTRONOMY IN EUROPE, **M. C. Pande**, *IJHS* **9**, 123, 1974.
116. IAU SYMPOSIUM No. 67 ON VARIABLES IN RELATION TO THE EVOLUTION OF STARS AND STELLAR SYSTEMS, **S. D. Sinvhal & S. C. Joshi**, *BASI* **2**, 70, 1974.
117. PHOTOELECTRIC PHOTOMETRY OF THE OPEN CLUSTER NGC 1778, **U. C. Joshi, R. Sagar & P. Pande**, *Pramana* **4**, 160, 1975.
118. THREE COLOUR PHOTOMETRY OF THE BINARY EI CEP, **T. D. Padalia & R. K. Srivastava**, *ASS* **32**, 285, 1975.
119. THREE COLOUR PHOTOMETRY OF TW CAS, **C. D. Kandpal**, *ASS* **35**, 249, 1975.
120. PHOTOMETRIC STUDY OF VZ HYA, **T. D. Padalia & R. K. Srivastava**, *ASS* **32**, 291, 1975.
121. MULTIPLE PERIODICITY IN TWO CMA STARS 16 LAC AND I PEG, **H. S. Mahra & S. D. Sinvhal**, *IAU Coll. No.* 29, p. 27, 1975.
122. PERIOD CHANGES IN THREE RR LYR STARS, **H. S. Mahra & S. D. Sinvhal**, *IAU Coll. No.* 29, p. 203, 1975.
123. FLARE ACTIVITY OF YZ CMI, **B. B. Sanwal**, *IBVS No.* 998, 1975.
124. NON-VARIABILITY OF NQ HER, **T. D. Padalia**, *IBVS No.* 1059, 1975.
125. PHOTOELECTRIC ELEMENTS OF THE ECLIPSING BINARY XY CETI, **R. K. Srivastava & T. D. Padalia**, *ASS* **38**, 79, 1975.
126. PHOTOELECTRIC ELEMENTS OF AS CAM, **T. D. Padalia & R. K. Srivastava**, *ASS* **38**, 87, 1975.
127. CO₂ AND HCN IN SUNSPOTS, **M. C. Pande & V. P. Gaur**, *Nature* **253**, 104, 1975.
128. MOLECULES IN THE SUN II, **M. C. Pande**, *A review read at Udaipur Seminar on Solar Physics*, 1975.
129. EXPERIENCES IN MAKING LARGE SIZE OPTICS, **S. D. Sinvhal, C. D. Kandpal & A. K. Bhatnagar**, *Fourth all India Symp. of the Optical Society of India, Chandigarh*, 1976.

130. PHOTOELECTRIC ELEMENTS OF THE BINARY SYSTEM AO MON, **C. D. Kandpal**, *ASS* **40**, 3, 1976.
131. PHOTOELECTRIC ELEMENTS OF CD TAURI, **J. B. Srivastava**, *ASS* **40**, 15, 1976.
132. PHOTOMETRY OF THE GALACTIC CLUSTER NGC 2169, **R. Sagar**, *ASS* **40**, 447, 1976.
133. SPECTROPHOTOMETRIC DETERMINATION OF THE TEMPERATURE OF CEPHEID ZETA GEM, **B. S. Rautela & S. C. Joshi**, *ASS* **40**, 445, 1976.
134. ON THE C₂ PHILIPS SYSTEM IN THE SOLAR SPECTRUM, **K. Sinha & M. C. Pande**, *BAC* **27**, 253, 1976.
135. ON THE MAGNETIC FIELD GRADIENT IN QUIECENT PROMINENCES, **K. R. Bondal & M. C. Pande**, *BAC* **27**, 263, 1976.
136. EFFECTIVE TEMPERATURES OF SOME AP, AM AND A STARS, **G. S. D. Babu**, *ASS* **43**, 57, 1976.
137. VIBRATION ROTATION OF NO, **V. P. Gaur**, *SP* **46**, 121, 1976.
138. ABSOLUTE ENERGY DISTRIBUTION OF SOME A AND F STARS, **S. C. Joshi & B. S. Rautela**, *ASS* **45**, 199, 1976.
139. THE PRECISION TIMING SYSTEM AT THE UTTAR PRADESH STATE OBSERVATORY, NAINI TAL AND THE ACCURACY OF ATA TIME SIGNALS, **H. S. Mahra**, *Proc. National Seminar on the time and Frequency, NPL New Delhi*, p. 121, 1976.
140. PHOTOELECTRIC OBSERVATIONS OF FLARE STAR YZ CMI, **B. B. Sanwal**, *IBVS No.* 1180, 1976.
141. PHOTOELECTRIC OBSERVATIONS OF UV CETI, **B. B. Sanwal**, *IBVS No.* 1210, 1976.
142. SH ON THE SUN, **K. Sinha, G. C. Joshi & M. C. Pande**, *BASI* **4**, 75, 1976.
143. MULLIKEN BANDS IN THE SOLAR SPECTRUM, **K. Sinha & G. C. Joshi**, *BASI* **4**, 76, 1976.
144. REPORT ON THE OPTICAL TRACKING OF ARYABHATA AT UTTAR PRADESH STATE OBSERVATORY, **S. D. Sinval & V. P. Gaur**, *Report Submitted to Chairman ISRO*, 1976.
145. STUDY OF THE DELTA SCUTI STAR HR 1170, **S. K. Gupta**, *ASS* **48**, 199, 1977.
146. PHOTOELECTRIC PHOTOMETRY OF THE OPEN CLUSTER TR-1, **U. C. Joshi & R. Sagar**, *ASS* **48**, 225, 1977.
147. RADII OF SOME AP, AM AND A STARS, **G. S. D. Babu**, *ASS* **50**, 343, 1977.
148. ROTATIONAL TEMPERATURES OF CO MOLECULES IN FACULA MODELS, **R. C. Dubey & B. M. Tripathi**, *BAC* **28**, 192, 1977.

149. VLF SUDDEN PHASE ANOMALIES DURING FLARES OF AUGUST 1972, **R. C. Dubey, S. K. Gupta & M. C. Pande**, *IJRSP* **6**, 67, 1977.
150. SULPHUR MOLECULES ON THE SUN, **K. Sinha, G. C. Joshi & M. C. Pande**, *BASI* **5**, 45, 1977.
151. ON THE ROTATIONAL TEMPERATURES OF TiO IN SUNSPOTS, **K. Sinha**, *BASI* **5**, 49, 1977.
152. NEAR INFRARED PHOTOMETRY OF SOME STARS, **P. V. Kulkarni, A. G. Ananth, S. D. Sinval & S. C. Joshi**, *BASI* **5**, 52, 1977.
153. IAU COLLOQUIUM No. 42 ON THE INTERACTION OF VARIABLE STARS WITH THEIR ENVIRONMENT, **S. C. Joshi**, *BASI* **5**, 110, 1977.
154. STATISTICS ON FLARE OBSERVATIONS OF UV CETI YZ CMi AND AD LEO AT UTTAR PRADESH STATE OBSERVATORY, **S. D. Sinval & B. B. Sanwal**, *IBVS No.* 1263, 1977.
155. PHOTOELECTRIC OBSERVATIONS OF NOVA SAGITTARII, **R. Sagar, H. S. Mahra, S. C. Joshi & J. B. Srivastava**, *IBVS No.* 1307, 1977.
156. OCCULTATION OBSERVATIONS OF SAO 158687 BY URANIAN BELT, **H. S. Mahra & S. K. Gupta**, *IAU Cir. No.* 3061, 1977.
157. SPECTROPHOTOMETRY OF COMET WEST (1975N) AFTER THE PERIHELION PASSAGE, **U. S. Chaubey**, *ASS* **54**, 233, 1978.
158. PERIOD MASS RATIO RELATIONS FOR ECLIPSING BINARIES WITH PERIODS NOT EXCEEDING 5 DAYS, **S. D. Sinval & J. B. Srivastava**, *ASS* **54**, 239, 1978.
159. EFFECTIVE TEMPERATURES, RADII AND BOLOMETERIC MAGNITUDES OF AP AND AM STARS, **G. S. D. Babu & B. S. Rautela**, *ASS* **58**, 245, 1978.
160. FIRST OVERTONE LINE OF CO AND THE AVERAGE FACULA MODELS, **R. C. Dubey & B. M. Tripathi**, *BAC* **29**, 370, 1978.
161. VIBRATION ROTATION BANDS OF SiO IN SUNSPOTS, **V. P. Gaur, M. C. Pande & B. M. Tripathi**, *SP* **56**, 67, 1978.
162. EMPIRICAL P-L-C RELATIONS FOR DELTA SCUTI STARS, **S. K. Gupta**, *ASS* **59**, 85, 1978.
163. ON THE GAMMA SYSTEM OF NITRIC OXIDE IN SUNSPOTS, **G. C. Joshi, M. C. Pande & D. S. Shukla**, *SP* **58**, 343, 1978.
164. ABSOLUTE ENERGY DISTRIBUTION IN RHO CAS, **S. C. Joshi & B. S. Rautela**, *MNRAS* **183**, 55, 1978.
165. PHOTOMETRIC BEHAVIOUR OF OMICRON ANDROMEDA, **T. D. Padalia**, *IBVS No.* 1477, 1978.
166. ISOTOPIC LINES OF SiO IN SUNSPOTS, **M. C. Pande & G. C. Joshi**, *SP* **59**, 353, 1978.

167. STUDY OF THE EXTREMELY YOUNG CLUSTER NGC 6530, **R. Sagar & U. C. Joshi**, *MNRAS* **184**, 467, 1978.
168. STUDY OF THE GALACTIC CLUSTER NGC 581, **R. Sagar & U. C. Joshi**, *BASI* **6**, 12, 1978.
169. THE GAP IN THE H-R DIAGRAM OF OPEN CLUSTERS WITH SPECIAL REFERENCE TO NGC 2169, NGC 1778 AND TR-1, **R. Sagar & U. C. Joshi**, *BASI* **6**, 37, 1978.
170. CH AND CH⁺ LINES IN FACULA MODELS, **B. M. Tripathi**, *BASI* **6**, 76, 1978.
171. UPSO PLAN FOR TOTAL SOLAR ECLIPSE OF FEBRUARY 16, 1980, **K. R. Bondal, V. P. Gaur & K. Sinha**, *Paper Read at CASA, Hyderabad*, 1979.
172. TIME AND FREQUENCY ACTIVITIES AT THE UTTAR PRADESH STATE OBSERVATORY, NAINI TAL, **H. S. Mahra & B. M. Tripathi**, *Study Group Meeting On Time and Frequency, N. Delhi*, ed. *B. S. Mathur*, p. 79, 1979.
173. (A-X) SYSTEM OF SiO IN SUNSPOTS, **G. C. Joshi, L. M. Punetha & M. C. Pande**, *SP* **62**, 77, 1979.
174. PERIODOGRAM ANALYSIS OF THE LIGHT CURVES OF 44 TAU, **S. K. Gupta**, *BASI* **7**, 12, 1979.
175. THE SYSTEM CC CASSIOPEIAE, **J. B. Srivastava**, *IBVS No.* 1571, 1979.
176. CENTERE-TO-LIMB BEHAVIOUR OF MOLECULAR ROTATIONAL TEMPERATURE, **K. Sinha**, *BASI* **7**, 17, 1979.
177. PHOTOELECTRIC OBSERVATIONS OF AD LEO, **B. B. Sanwal**, *IBVS No.* 1572, 1979.
178. PHOTOELECTRIC OBSERVATIONS OF THE NOVA LIKE OBJECTS IN VULPECULA, **H. S. Mahra, S. C. Joshi, J. B. Srivastava & S. L. Dhir**, *IBVS No.* 1683, 1979.
179. SOLAR PHOTOSPHERIC MODELS AND THE ROTATIONAL TEMPERATURES OF C₂ AND MGH MOLECULES, **K. Sinha, D. S. Shukla & B. M. Tripathi**, *BASI* **7**, 38, 1979.
180. CLASSIFICATION OF M-TYPE STARS FROM SPECTRAL SCANS, **B. S. Rautela & S. C. Joshi**, *BASI* **7**, 43, 1979.
181. LOSS OF ANGULAR MOMENTUM IN CLOSE BINARY SYSTEM DURING THEIR EVOLUTION, **U. S. Chaubey**, *ASS* **64**, 177, 1979.
182. LIGHT VARIATION OF DELTA SCUTI STAR 38 CNC, **S. K. Gupta**, *BASI* **7**, 72, 1979.
183. UTTAR PRADESH STATE OBSERVATORY ANNUAL REPORT, **S. C. Joshi**, *BASI* **7**, 92, 1979.
184. EMISSION FROM THE HEAD OF COMET BRADFIELD 1978C, **U. S. Chaubey**, *ASS* **64**, 53, 1979.
185. ON THE SCHUMANN-RUNGE BAND SYSTEM IN SUNSPOTS, **G. C. Joshi, L. M. Punetha & M. C. Pande**, *SP* **63**, 79, 1979.

186. PARTITION FUNCTIONS AND DISSOCIATION CONSTANTS FOR MGH, **B. M. Tripathi & V. P. Gaur**, *JQSRT* **22**, 407, 1979.
187. ON THE VARABILITY OF THE SUSPECTED CEPHEID STARS V351, V350, V357, **H. S. Mahra & V. Mohan**, *IBVS No.* 1698, 1979.
188. ON THE PRESENCE OF SH IN THE SUNSPOT SPECTRUM, **G. C. Joshi & M. C. Pande**, *SP* **62**, 69, 1979.
189. MOLECULAR LINE HAZE OPACITY IN SUNSPOTS, **V. P. Gaur, M. C. Pande & M. Sah**, *SP* **62**, 83, 1979.
190. PHOTOELECTRIC PHOTOMETRY OF THE ECLIPSING BINARY RB AQR, **T. D. Padalia**, *ASS* **62**, 477, 1979.
191. A YOUNG OPEN CLUSTER NGC 6611, **R. Sagar & U. C. Joshi**, *ASS* **63**, 3, 1979.
192. PHOTOELECTRIC ELEMENTS OF THE ECLIPSING BINARY XY CEP, **J. B. Srivastava**, *ASS* **66**, 143, 1979.
193. MASS TRANSFER IN TV CASSIOPEIAE, **U. S. Chaubey**, *ASS* **63**, 247, 1979.
194. ON THE PERIOD OF DELTA CETI, **V. Mohan**, *BASI* **7**, 106, 1979.
195. EXTENDED RING SYSTEM OF URANUS, **J. C. Bhattacharya, M. K. V. Bappu, S. Mohin, H. S. Mahra & S. K. Gupta**, *MP* **21**, 393, 1979.
196. ON THE INFRARED OPACITY OF SUNSPOTS, **G. C. Joshi, L. M. Punetha & M. C. Pande**, *SP* **64**, 255, 1979.
197. UTTAR PRADESH STATE OBSERVATORY, **M. C. Pande**, *Silver Jubilee Brochure, English and Hindi versions*, 1979.
198. PERIOD STUDY OF THE BINARY STAR SW CYGNI, **U. S. Chaubey**, *ASS* **67**, 129, 1980.
199. PHOTOELECTRIC STUDY OF THE ECLIPSING SYSTEM CD ERIDANI, **C. D. Kandpal & J. B. Srivastava**, *ASS* **67**, 213, 1980.
200. PHOTOELECTRIC PHOTOMETRY OF THE SPECTROSCOPIC BINARY HD 91948, **T. D. Padalia**, *IBVS No.* 1733, 1980.
201. FLARE LIKE ACTIVITIES IN ECLIPSING BINARY DI PEG, **U. S. Chaubey**, *IBVS No.* 1739, 1980.
202. SPECTROPHOTOMETRIC OBSERVATIONS OF MIRA CETI, **S. C. Joshi, B. S. Rautela & B. B. Sanwal**, *IBVS No.* 1754, 1980.
203. THE EFFECT OF METALLICITY ON THE EMPIRICAL RELATIONS FOR RR LYRAE STARS: I. EFFECTIVE TEMPERATURE AND COLOUR, **H. S. Mahra & S. D. Sinval**, *ASS* **68**, 111, 1980.

204. THE EFFECT OF METALLICITY ON THE EMPIRICAL RELATIONS FOR RR LYRAE STARS: II. THE P-L-C RELATIONS, **H. S. Mahra & S. D. Sinhal**, *ASS* **68**, 121, 1980.
205. PERIODOGRAM ANALYSIS OF THE LIGHT CURVES OF 59 AURIGAE, **S. K. Gupta**, *ASS* **68**, 423, 1980.
206. SPECTROPHOTOMETRIC DETERMINATION OF THE TEMPEARTURE OF CEPHEID SU CASSIOPEIAE, **S. C. Joshi & B. S. Rautela**, *ASS* **70**, 393, 1980.
207. CENTRE TO LIMB VARIATION OF ROTATIONAL TEMPERATURE OF THE CH MOLECULES IN THE SOLAR PHOTOSPHERE, **M. C. Pande, V. P. Gaur, K. R. Bondal & R. C. Dubey**, *BASI* **8**, 27, 1980.
208. HD200925, A PULSATING VARIABLE, **S. K. Gupta & T. D. Padalia**, *IBVS No.* 1870, 1980.
209. PHASE VARIATION OF GBR 16 KHZ SIGNALS AS RECEIVED AT NAINI TAL, **P. Pant & H. S. Mahra**, *IJRSP* **9**, 134, 1980.
210. A NOTE ON THE SPECTRUM OF COMET BRADFIELD (19791), **U. S. Chaubey & B. S. Rautela**, *JBAA* **90**, 475, 1980.
211. PHOTOELECTRIC STUDY OF THE δ SCUTI STAR HR 1225, **S. K. Gupta**, *ASS* **71**, 377, 1980.
212. OBSERVATIONS OF TOTAL SOLAR ECLIPSE OF FEBRUARY 16, 1980, **V. P. Gaur, K. R. Bondal, K. Sinha, G. C. Joshi & M. C. Pande**, *BASI* **8**, 83, 1980.
213. PHOTOELECTRIC BEHAVIOUR OF V818 SCO AND X-PER, **B. B. Sanwal**, *IBVS No.* 1847, 1980.
214. VACUUM ALUMINIZING OF TELESCOPE MIRRORS AT U. P. STATE OBSERVATORY, **T. D. Padalia & B. B. Sanwal**, *VN* **11**, 5, 1980.
215. SCANNER OBSERVATIONS OF GAMMA CASSIOPEIAE, **P. S. Goraya**, *ASS* **73**, 319, 1980.
216. EVOLUTION IN SEMI-DETACHED BINARY SYSTEM, **U. S. Chaubey**, *ASS* **73**, 503, 1980.
217. WHITE LIGHT CORONAL PHOTOGRAPHY, **M. C. Pande, K. R. Bondal, V. P. Gaur, K. Sinha & G. C. Joshi**, *Observations of Total Solar Eclipse of 16 Feb., 1980, Preliminary Results*, *INSA, N. Delhi*, p. 23, 1981.
218. CHROMOSPHERIC FLASH SPECTRUM, **M. C. Pande, K. R. Bondal, V. P. Gaur, K. Sinha & G. C. Joshi**, *Observations of Total Solar Eclipse of 16 Feb., 1980, Preliminary Results*, *INSA, N. Delhi*, p. 42, 1981
219. A NOTE ON BZ ERIDANI, **R. K. Srivastava & B. K. Sinha**, *IBVS No.* 1919, 1981.
220. UBV PHOTOMETRY OF RT PERSEI, **B. B. Sanwal & U. S. Chaubey**, *ASS* **75**, 329, 1981.
221. STUDY OF THE GALACTIC CLUSTER NGC 6823, **R. Sagar & U. C. Joshi**, *ASS* **75**, 465, 1981.

222. PERIOD OF δ CETI, **V. Mohan**, *ASS* **76**, 83, 1981.
223. ECLIPSING BINARY SYSTEMS AV HYA, **J. B. Srivastava & C. D. Kandpal**, *ASS* **76**, 173, 1981.
224. AN ANALYSIS OF THE ATMOSPHERE OF T VULPECULAE, **B. S. Rautela, B. B. Sanwal & S. C. Joshi**, *ASS* **77**, 369, 1981.
225. PHOTOELECTRIC ELEMENTS OF AR LAC, **R. K. Srivastava**, *ASS* **78**, 173, 1981.
226. IONISED MOLECULES IN FACULA MODELS, **B. M. Tripathi, V. P. Gaur & M. C. Pande**, *BASI* **9**, 227, 1981.
227. PHOTOELECTRIC OBSERVATIONS OF THE VZ CAS, **J. B. Srivastava & C. D. Kandpal**, *IBVS No.* 1990, 1981.
228. SCANNER OBSERVATIONS OF THE BE STARS ν GEM, κ ORI, β MON AND ω CMA, **P. S. Goraya**, *ASS* **78**, 419, 1981.
229. ON THE MGH OSCILLATOR STRENGTHS, **K. Sinha**, *JAA* **2**, 285, 1981.
230. BRACKETT-GAMMA LINE AND FACULA MODELS, **B. M. Tripathi & M. C. Pande**, *BASI* **9**, 287, 1981.
231. U. P. STATE OBSERVATORY ANNUAL REPORT, **M. C. Pande**, *BASI* **9**, 319, 1981.
232. AN ELECTRONIC PROGRAMMER FOR AN INTEGRATOR, **S. K. Gupta**, *JRAS* **76**, 181, 1982.
233. SPECTROPHOTOMETRY OF COMET BRADFIELD (1980T) DURING POST-PERHELION PERIOD, **P. S. Goraya, B. K. Sinha, U. S. Chaubey & B. B. Sanwal**, *MP* **26**, 3, 1982.
234. A NEW CEPHEID VARIABLE HD 200925, **T. D. Padalia & S. K. Gupta**, *ASS* **81**, 251, 1982.
235. PHOTOELECTRIC ELEMENTS AND EVOLUTIONARY STATUS OF ECLIPSING BINARY DI PEGASI, **U. S. Chaubey**, *ASS* **81**, 283, 1982.
236. PHOTOELECTRIC FLARE OBSERVATIONS OF GLIESE 8678, **B. B. Sanwal**, *IBVS No.* 2143, 1982.
237. THE PECULIER SOLAR FLARE OF 1981 MAY 13, **K. R. Bondal, P. Pant, M. C. Pande & G. M. Ballabh**, *BASI* **10**, 137, 1982.
238. CARBON MONOXIDE AND FACULA MODELS, **B. M. Tripathi, M. C. Pande & K. Sinha**, *BASI* **10**, 150, 1982.
239. FRANCK-CONDON FACTOR FOR SOME ABUNDANT UMBRAL MOLECULES, **G. C. Joshi, U. C. Joshi, L. M. Punetha & M. C. Pande**, *BASI* **10**, 159, 1982.
240. SURGE PROMINENCE OF 1981 NOV. 19, **V. K. Verma & M. C. Pande**, *BASI* **10**, 211, 1982.

241. PLACES OF FORMATION OF NINETEEN NEARBY CLASSICAL CEPHEIDS, **U. C. Joshi**, *BASI* **10**, 217, 1982.
242. ON THE MGH LINE INTENSITIES IN SUNSPOTS UMBRAE, **K. Sinha**, *BASI* **10**, 223, 1982.
243. ON THE PERIOD OF HD 200925, **S. K. Gupta & T. D. Padalia**, *IBVS No.* 2149, 1982.
244. A NOTE ON THE SPECTRUM OF COMET AUSTIN (1982G), **B. B. Sanwal, B. S. Rautela & P. S. Goraya**, *JBAA* **93**, 37, 1982.
245. VIBRATION ROTATION BANDS OF SiH AND MGH IN SUNSPOTS SPECTRA, **K. Sinha & G. C. Joshi**, *BASI* **10**, 329, 1982.
246. BEHAVIOUR OF SOME NEUTRAL MOLECULAR ABSORPTION LINES IN FACULA MODELS, **B. M. Tripathi, K. Sinha & M. C. Pande**, *BASI* **10**, 334, 1982.
247. STUDY OF OPEN CLUSTER IC 1805, **U. C. Joshi & R. Sagar**, *JRAS* **77**, 40, 1983.
248. DOUBLE RIBBON FLARE OF 1981 OCTOBER 19, **V. K. Verma & M. C. Pande**, *BASI* **11**, 38, 1983.
249. INTEGRATED PHOTOMETRIC PARAMETERS OF OPEN AND GLOBULAR CLUSTERS, **R. Sagar, U. C. Joshi & S. D. Sinhal**, *BASI* **11**, 44, 1983.
250. TWISTED SURGE OF 1981 DECEMBER 25, **V. K. Verma**, *BASI* **11**, 70, 1983.
251. PHOTOMETRY OF THE OPEN CLUSTER NGC 654, **U. C. Joshi & R. Sagar**, *MNRAS* **202**, 961, 1983.
252. SCANNER OBSERVATIONS OF THE CLASSICAL CEPHEIDS RT AUR AND T VUL, **B. S. Rautela & S. C. Joshi**, *JAA* **4**, 1, 1983.
253. CORRELATION BETWEEN OBSERVED VLF PHASE DEVIATION AND SOLAR X-RAY FLUX DURING SOLAR FLARES, **P. Pant, H. S. Mahra & M. C. Pande**, *IJRSP* **12**, 40, 1983.
254. VARIABILITY OF THE HOTTER COMPONENT OF THE ECLIPSING BINARY MM CASSIOPEIAE, **U. S. Chaubey**, *IBVS No.* 2348, 1983.
255. PHOTOMETRY OF THE OPEN CLUSTERS NGC 6913, **U. C. Joshi, B. B. Sanwal & R. Sagar**, *PASJ* **35**, 405, 1983.
256. PHOTOMETRIC OBSERVATIONS OF BW VULPECULAE, **M. Singh & S. C. Joshi**, *BASI* **11**, 138, 1983.
257. THE OCCULTATION OF BD-19 4222 BY URANUS 1981 APRIL 26, **H. S. Mahra, A. K. Pandey, U. C. Joshi & V. Mohan**, *BASI* **11**, 152, 1983.
258. ON THE ACTIVATION OF A QUIESCENT PROMINENCE, **V. K. Verma**, *BASI* **11**, 159, 1983.
259. A STUDY OF THE ECLIPSING BINARY XX CAS, **R. K. Srivastava**, *ASS* **92**, 149, 1983.

260. HD 34409-A DELTA SCUTI VARIABLE, **R. K. Srivastava & A. K. Arya**, *IBVS No.* 2418, 1983.
261. A PHOTOMETRIC HOUR-ANGLE SOLAR GUIDER, **S. K. Gupta**, *BASI* **11**, 273, 1983.
262. STUDY OF THE OPEN CLUSTER NGC 2264, **R. Sagar & U. C. Joshi**, *MNRAS* **205**, 747, 1983.
263. ON THE ARCH PROMINENCE OF 1980 NOVEMBER 22, **P. Pant & K. R. Bondal**, *BASI* **11**, 313, 1983.
264. ON THE RELATION BETWEEN LARGE SCALE SOLAR MAGNETIC FIELDS AND FILAMENT POSITIONS, **R. N. Shelke & M. C. Pande**, *BASI* **11**, 327, 1983.
265. MICROWAVE, X-RAY EMISSION AND SID ASSOCIATED WITH 13 MAY 1981 SOLAR FLARE, **P. Pant & K. R. Bondal**, *IJRSP* **12**, 190, 1983.
266. TESTING OF AN IMAGE INTENSIFIER TUBE FOR ASTRONOMICAL APPLICATIONS, **M. Singh, D. B. Jadhav & S. C. Joshi**, *OPT* **12**, 123, 1983.
267. FLARE LIKE ACTIVITY IN AR LACERTAE, **R. K. Srivastava**, *IBVS No.* 2450, 1983.
268. $H\alpha$ VARIABILITY IN ALPHA LYRAE, **P. S. Goraya & M. Singh**, *IBVS No.* 2455, 1983.
269. SOME FURTHER MEASUREMENTS OF URANIAN RING CONDENSATIONS, **R. Vasundhara, J. C. Bhattacharyya, R. Rajmohan & H. S. Mahra**, *MP* **29**, 79, 1983.
270. UBV PHOTOMETRY OF TWO ECLIPSING BINARY STARS, **U. S. Chaubey & M. Singh**, *BASI* **12**, 40, 1984.
271. ON THE OSCILLATOR STRENGTHS OF PHILLIPS BANDS, **K. Sinha**, *BASI* **12**, 45, 1984.
272. MASS TRANSFER IN AR LACERTAE, **R. K. Srivastava**, *BASI* **12**, 52, 1984.
273. POSSIBLE OCCULTATIONS BY SATURNIAN MAGNETOSPHERE RINGS, **H. S. Mahra, V. Mohan, A. K. Pandey & B. B. Sanwal**, *IAU Cir. No.* 3945, 1984.
274. SPECTROPHOTOMETRY OF COMET AUSTIN (1982G) DURING POST-PERHELION PERIOD, **P. S. Goraya, B. S. Rautela & B. B. Sanwal**, *MP* **30**, 63, 1984.
275. SHELL EPISODE OF PLEIONE (BU TAU), **P. S. Goraya**, *IBVS No.* 2493, 1984.
276. MOLECULAR EMISSION FROM THE HEAD OF COMET/P CROMMELIN 1818I, **P. S. Goraya, B. S. Rautela & B. B. Sanwal**, *JBAA* **94**, 186, 1984.
277. CENTRE-TO-LIMB BEHAVIOUR OF MOLECULAR ROTATIONAL TEMPERATURE III, **K. Sinha**, *BASI* **12**, 172, 1984.
278. SPECTROPHOTOMETRY OF PECULIER SHELL STAR HD 218393, **P. S. Goraya, M. Singh & U. S. Chaubey**, *IBVS No.* 2519, 1984.

279. HD 91948: A NEW PROBABLE BE STAR, **P. S. Goraya & T. D. Padalia**, *IBVS No.* 2542, 1984.
280. PHOTOMETRY OF OPEN CLUSTER KING 21, **V. Mohan & A. K. Pandey**, *BASI 12*, 217, 1984.
281. ON THE RECURRENCE OF SUDDEN IONOSPHERIC DISTURBANCES, **R. N. Shelke & M. C. Pande**, *BASI 12*, 223, 1984.
282. MODEL DEPENDENCE OF THE ROTATIONAL TEMPERATURE OF SiO IN SUNSPOTS, **L. M. Punetha & G. C. Joshi**, *BASI 12*, 229, 1984.
283. REVISED ELEMENTS AND EVOLUTIONARY STATUS OF SIX ECLIPSING BINARY STARS, **U. S. Chaubey**, *BASI 12*, 237, 1984.
284. CENTRE-TO-LIMB VARIATION OF CH LINE PROFILE PARAMETERS, **L. M. Punetha & G. C. Joshi**, *BASI 12*, 249, 1984.
285. ON THE PECULIAR TYPE OF PROMINENCE ACTIVATION, **P. Pant**, *BASI 12*, 252, 1984.
286. THE OCCULTATION OF HD-20° 51695 BY URANUS ON 1982 MAY 1, **A. K. Pandey, H. S. Mahra & V. Mohan**, *BASI 12*, 258, 1984.
287. RADIO PULSATION ASSOCIATED WITH THE SOLAR FLARE OF 1982 APRIL 14, **P. Pant & K. R. Bondal**, *BASI 12*, 263, 1984.
288. SUNSPOT CONTINUUM FROM 1 TO 10 μ M AND THE UMBRAL TEMPERATURE MODELS, **L. M. Punetha & G. C. Joshi**, *BASI 12*, 233, 1984.
289. LOSS OF ORBITAL ANGULAR MOMENTUM AND PERIOD CHANGES IN ALGOLS, **U. S. Chaubey**, *ASS 103*, 55, 1984.
290. VARIABLE LINE STRENGTHS OF STAR HD 50896, **M. Singh**, *IBVS No.* 2508, 1984.
291. CA II H AND K AND H α EMISSION VARIABILITY IN AR LACARTE, **P. S. Goraya & R. K. Srivastava**, *IBVS No.* 2579, 1984.
292. EVOLUTIONARY PROCESSES IN CLOSE BINARY STARS, **U. S. Chaubey**, *ASS 103*, 385, 1984.
293. THE OCCULTATION OF MKE 31 BY NEPTUNE ON SEPTEMBER 12, 1983, **A. K. Pande, H. S. Mahra & V. Mohan**, *MP 31*, 217, 1984.
294. PHOTOMETRY OF OPEN CLUSTER KING 12, **V. Mohan & A. K. Pandey**, *ASS 105*, 315, 1984.
295. DISTRIBUTION OF ABSOLUTE ENERGY OF BRIGHT BE STARS IN PLEIADES, **P. S. Goraya**, *ASS 105*, 323, 1984.
296. LONGITUDINAL DISTRIBUTION OF COOL SOLAR SURGES, **V. K. Verma**, *SP 94*, 155, 1984.

297. CONTINUUM ENERGY DISTRIBUTION OF SOME BRIGHT BE STARS, **P. S. Goraya**, *AA* **138**, 19, 1984.
298. POSSIBLE DETECTION OF A RING SYSTEM IN SATURN'S MAGNETOSPHERE, **R. Vasundhara, J. C. Bhattacharyya, P. Santhanam, A. K. Pandey, V. Mohan & H. S. Mahra**, *Nature* **312**, 621, 1984.
299. INFRARED PHOTOMETRIC STUDIES OF BE STARS, **N. M. Ashok, H. C. Bhatt, P. V. Kulkarni & S. C. Joshi**, *MNRAS* **211**, 471, 1984.
300. ASSOCIATION OF CORONAL HOLES WITH LARGE SCALE SOLAR MAGNETIC FIELDS, **R. N. Shelke & M. C. Pande**, *BASI* **12**, 357, 1984.
301. DOPPLER WIDTH OF CN LINES IN THE SUN, **L. M. Puneth & G. C. Joshi**, *BASI* **12**, 393, 1984.
302. CORONAL HOLES AND LONG LIVED UNIPOLAR MAGNETIC REGIONS, **R. N. Shelke & M. C. Pande**, *BASI* **12**, 404, 1984.
303. MICROWAVE AND HARD X-RAY EMISSION DURING SOLAR FLARES OF 19 OCT. 1981, **V. K. Verma**, *IJRSP* **13**, 159, 1984.
304. HD 126200-Å SUSPECTED ECLIPSING BINARY, **J. B. Srivastava & C. D. Kandpal**, *IBVS No.* 2574, 1984.
305. PHOTOMETRIC ELEMENTS OF V 364 CASSIOPEIAE, **U. S. Chaubey**, *ASS* **106**, 273, 1984.
306. VARIABILITY OF THE H α EMISSION IN ϕ PER, **P. S. Goraya**, *ASS* **107**, 323, 1984.
307. PHOTOMETRIC ELEMENTS OF THE ECLIPSING AE CAS, **J. B. Srivastava & C. D. Kandpal**, *ACTA* **34**, 281, 1984.
308. PHOTOELECTRIC STUDY OF THE ECLIPSING BINARY SYSTEM AR LACERTAE, **R. K. Srivastava**, *ACTA* **34**, 291, 1984.
309. JHK PHOTOMETRY OF BE STARS, **H. C. Bhatt, N. M. Ashok, T. Chandrasekhar & P. S. Goraya**, *AASS* **58**, 685, 1984.
310. PHOTOMETRY OF THE PULSATING VARIABLE HD 37819, **T. D. Padalia & S. K. Gupta**, *ACTA* **34**, 303, 1984.
311. BALMER LINE EMISSIONS IN VEGA, **P. S. Goraya**, *Be Star News Letter No.* 8, 1984.
312. NEW INFRARED SOURCE, **N. M. Ashok, H. C. Bhatt, T. Chandrasekhar & S. C. Joshi**, *IAU Cir. No.* 3906, 1984.
313. RING STRUCTURE IN THE SATURN'S OUTER MAGNETOSPHERE, **H. S. Mahra, A. K. Pandey, V. Mohan & B. B. Sanwal**, *Nature* **313**, 38, 1985.
314. PARTITION FUNCTIONS AND DISSOCIATION CONSTANTS FOR HEH⁺, **V. P. Gaur & B. M. Tripathi**, *JQSRT* **33**, 291, 1985.

315. DIFFERENTIAL ROTATION OF CORONAL HOLES, **R. N. Shelke & M. C. Pande**, *SP* **95**, 193, 1985.
316. A PHOTOMETRIC STUDY OF THE OPEN CLUSTER M 39, **V. Mohan & R. Sagar**, *MNRAS* **213**, 337, 1985.
317. SPECTROPHOTOMETRIC INVESTIGATION OF BE STARS, **P. S. Goraya & M. Singh**, *ASS* **108**, 161, 1985.
318. ON THE LOCATION OF SOLAR ACTIVE LONGITUDES, **R. N. Shelke & V. K. Verma**, *BASI* **13**, 53, 1985.
319. PROPOGATION OF TYPE II BURST SHOCK WAVES ALONG THE RADIAL MAGNETIC FIELD IN THE SOLAR CORONA, **R. N. Shelke & M. C. Pande**, *BASI* **13**, 62, 1985.
320. RECENT CHANGES IN THE SPECTRUM OF THE BE STAR 48 PERSEI, **P. S. Goraya**, *ASS* **109**, 373, 1985.
321. SPECTROPHOTOMETRIC STUDY OF X PERSEI, **B. B. Sanwal, B. S. Rautela & S. C. Joshi**, *ASS* **110**, 301, 1985.
322. SPECTROPHOTOMETRY OF BRIGHT BE STARS, **P. S. Goraya**, *ASS* **112**, 1, 1985.
323. UBV PHOTOMETRY OF DX AQUARI, **R. K. Srivastava & B. K. Sinha**, *ASS* **111**, 225, 1985.
324. SOME INFRARED PHOTOMETRIC CHARACTERISTICS OF BE STARS, **P. S. Goraya**, *ASS* **112**, 203, 1985.
325. SPECTROPHOTOMETRIC STUDY OF BE STARS, **P. S. Goraya**, *ASS* **112**, 325, 1985.
326. PROBABLE ADDITIONAL SWAN BAND LINES IN THE SOLAR SPECTRUM, **K. Sinha & M. Mehrotra**, *BASI* **13**, 127, 1985.
327. TIME DELAY BETWEEN H-ALPHA AND SOFT X-RAY EMISSIONS DURING SOLAR FLARES, **V. K. Verma & M. C. Pande**, *BASI* **13**, 148, 1985.
328. ON THE DEPENDENCE OF SOLAR FLARE OCCURRENCE ON SUNSPOT POLARITY, **V. K. Verma & R. N. Shelke**, *BASI* **13**, 243, 1985.
329. CONTINUUM ENERGY DISTRIBUTION OF BE STARS, **M. Singh**, *ASS* **113**, 325, 1985.
330. TIME DELAY BETWEEN H α AND HARD X-RAY EMISSION DURING IMPULSIVE SOLAR FLARES, **V. K. Verma & M. C. Pande**, *SP* **97**, 107, 1985.
331. CONTINUUM ENERGY DISTRIBUTION AND PHOTOMETRIC BEHAVIOUR OF π AQR, **P. S. Goraya**, *MNRAS* **215**, 265, 1985.
332. FLARE LIKE ACTIVITY OF AR LACERTAE IN 1982, **R. K. Srivastava**, *IBVS No.* 2761, 1985.

333. ON THE SOLAR SURGE ASSOCIATION WITH MICROWAVE AND HARD X-RAY EMISSION BURSTS, **V. K. Verma**, *SP* **97**, 381, 1985.
334. SOME OBSERVATIONS OF DX AQUARI, **R. K. Srivastava**, *ASS* **113**, 333, 1985.
335. $H\alpha$ LINE EMISSIONS AND INFRARED EXCESS IN BE STARS, **P. S. Goraya & B. S. Rautela**, *ASS* **113**, 373, 1985.
336. LONGITUDINAL DISTRIBUTION OF HARD X-RAY BURSTS ON THE SUN, **V. K. Verma & M. C. Pande**, *SP* **99**, 285, 1985.
337. PHOTOELECTRIC MINIMA OF BZ ERIDANI, **R. K. Srivastava & W. Uddin**, *IBVS No.* 2806, 1985.
338. RS CVN BINARIES, **J. B. Srivastava**, *Symp. on Binary and Multiple Systems, Hyderabad 1983*, p. 5, 1985.
339. SPECTRA OF PERIODIC COMET HALLEY, **P. S. Goraya & B. S. Rautela**, *IAU Cir. No.* 4149, 1985.
340. SPECTROPHOTOMETRY OF COMET HARTLEY GOOD, **P. S. Goraya & B. S. Rautela**, *IAU Cir. No.* 4150, 1985.
341. NATURE OF THE ECLIPSES OF VZ HYDRAE, **T. D. Padalia**, *ASS* **119**, 395, 1985.
342. PERIOD VARIATIONS IN BZ ERIDANI, **R. K. Srivastava**, *ASS* **121**, 317, 1986.
343. THE SPECTRUM OF PERIODIC COMET ENCKE, **P. S. Goraya, B. B. Sanwal & B. S. Rautela**, *JBAA* **96**, 210, 1986.
344. ON THE OSCILLATOR STRENGTH AND DISSOCIATION ENERGY OF CN MOLECULES, **K. Sinha & B.M. Tripathi**, *BASI* **14**, 40, 1986.
345. ABSOLUTE SPECTROPHOTOMETRY OF COMET KOHOUTEK (1973F) DURING POST PERIHELION, **P. S. Goraya, B. S. Rautela & B. B. Sanwal**, *EMP* **34**, 77, 1986.
346. PHOTOMETRY OF OPEN CLUSTER NGC 1931, **A. K. Pandey**, *ASS* **120**, 107, 1986.
347. MASS LOSS FROM WOLF-RAYET STARS, **M. Singh**, *ASS* **120**, 115, 1986.
348. PHOTOELECTRIC STUDY OF AW UMA, **R. K. Srivastava & T. D. Padalia**, *ASS* **120**, 121, 1986.
349. SPECTROPHOTOMETRY OF SOME BE STARS, **M. Singh**, *ASS* **120**, 133, 1986.
350. FLARE FEATURES OF AR LACERTAE, **R. K. Srivastava**, *ASS* **120**, 239, 1986.
351. WAVE MINIMUM OF AR LACERTAE, **R. K. Srivastava**, *ASS* **121**, 397, 1986.
352. PERIODIC COMET HALLEY (1982I), **P. S. Goraya, B. S. Rautela & B. B. Sanwal**, *IAU Cir. No.* 4167, 1986.

353. COMET HARTLEY GOOD (1985I), **P. S. Goraya, B. S. Rautela & B. B. Sanwal**, *IAU Cir. No.* 4171, 1986.
354. BV OBSERVATIONS OF THE ECLIPSING BINARY WX ERI, **J. B. Srivastava & C. D. Kandpal**, *ASS* **121**, 301, 1986.
355. AN ANALYSIS OF THE SPECTRUM OF ZETA GEM, **B. B. Sanwal, B. S. Rautela & G. C. Joshi**, *ASS* **123**, 183, 1986.
356. ASSOCIATION OF FLARES WITH TWISTING OF MAGNETIC NEUTRAL LINES, **W. Uddin, M. C. Pande & R. N. Shelke**, *BASI* **14**, 91, 1986.
357. NEW PERIOD AND PERIOD VARIATIONS OF DX AQUARI, **R. K. Srivastava**, *ASS* **124**, 397, 1986.
358. PHOTOMETRY OF OPEN CLUSTER STOCK 17, **A. K. Pandey**, *BASI* **14**, 20, 1986.
359. MASS LOSS FROM WOLF-RAYET STARS, **M. Singh & U. S. Chaubey**, *ASS* **124**, 389, 1986.
360. INFRARED EXCESS IN WOLF-RAYET STARS, **M. Singh**, *ASS* **123**, 155, 1986.
361. ON SOME VISIBLE AND INFRARED ATOMIC LINES IN THREE PHOTOSPHERIC MODELS, **K. R. Bondal & V. P. Gaur**, *BASI* **14**, 73, 1986.
362. ULTRAVIOLET AND INFRARED EXCESS EMISSION IN BE STARS, **P. S. Goraya**, *MNRAS* **222**, 121, 1986.
363. CYANOGEN LINES AND FACULA MODELS, **B. M. Tripathi & K. Sinha**, *SP* **106**, 43, 1986.
364. INITIAL MASS FUNCTIONS OF WOLF-RAYET STARS, **M. Singh**, *ASS* **124**, 101, 1986.
365. ON ASSOCIATION OF RADIO EMISSION WITH SOLAR SURGES, **V. K. Verma**, *SP* **106**, 67, 1986.
366. PHOTOMETRIC STUDY OF BZ ERIDANI, **R. K. Srivastava & W. Uddin**, *ASS* **126**, 105, 1986.
367. SEMIREGULARITIES IN THE PHOTOSPHERIC MAGNETIC FIELDS, **R. N. Shelke & M. C. Pande**, *SP* **105**, 257, 1986.
368. THE AGE DISTRIBUTION AND TOTAL LIFE TIMES OF OPEN CLUSTERS, **A. K. Pandey & H. S. Mahra**, *ASS* **126**, 167, 1986.
369. SCANNER OBSERVATIONS OF COMET P/CROMMELIN, **P. S. Goraya, B. B. Sanwal & B. S. Rautela**, *MP* **36**, 257, 1986.
370. ON THE BEHAVIOUR OF SOME VISIBLE AND INFRARED ATOMIC HYDROGEN LINES IN FACULAR MODELS, **K. R. Bondal, V. P. Gaur & M. C. Pande**, *BASI* **14**, 211, 1986.
371. RELATIONSHIP OF SOLAR GAMMA RAY EMISSIONS WITH MICROWAVE AND OTHER RADIO BURSTS, **V. K. Verma**, *IJRSP* **16**, 281, 1987 .

372. PERIOD STUDY OF XX CASSIOPEIAE, **R. K. Srivastava**, *ASS* **127**, 345, 1987.
373. A NEW PERIOD AND PERIOD TREND OF IZ PERSEI, **R. K. Srivastava**, *ASS* **129**, 143, 1987.
374. PERIOD VARIATION OF THE ECLIPSING SYSTEM EE AQUARI, **R. K. Srivastava**, *ASS* **129**, 221, 1987.
375. STUDY OF PERIODIC COMET ENCKE DURING ITS APPARITION IN 1984, **P. S. Goraya, B. S. Rautela & B. B. Sanwal**, *EMP* **37**, 53, 1987.
376. SPECTROPHOTOMETRIC OBSERVATIONS AND EVOLUTIONARY STATUS OF TEN BE STARS, **M. Singh & U. S. Chaubey**, *ASS* **129**, 251, 1987.
377. AGE DISTRIBUTION OF OPEN CLUSTER AS A FUNCTION OF THEIR LINEAR DIAMETER AND AGE DEPENDENCE OF CLUSTER MASSES, **A. K. Pandey, B. C. Bhatt & H. S. Magra**, *ASS* **129**, 293, 1987.
378. PHOTOGRAPHIC OBSERVATIONS OF COMET HALLEY (1982 I), **S. C. Joshi, J. B. Srivastava, C. D. Kandpal, T. D. Padalia, B. B. Sanwal, U. S. Chaubey & M. Singh**, *EMP* **38**, 249, 1987.
379. PERIOD VARIATION OF BZ ERIDANI, **R. K. Srivastava**, *ASS* **129**, 409, 1987.
380. CU ERIDANI- A SUSPECTED VARIABLE, **J. B. Srivastava & R. K. Srivastava**, *ASS* **129**, 415, 1987.
381. INTRINSIC LIGHT VARIATIONS IN THE ECLIPSING BINARY RW CETI, **T. D. Padalia**, *ASS* **129**, 413, 1987.
382. SPECTRAL LUMINOSITY CLASSIFICATION COLOUR VARIATIONS AND SUSPECTED BETA CANIS MAJORIS TYPE VARIABILITY BETA IZ PERSEI, **R. K. Srivastava**, *ASS* **132**, 125, 1987.
383. BRIGHTNESS DISTRIBUTION IN THE COMA OF COMET HALLEY (1982 I), **S. C. Joshi & B. B. Sanwal**, *EMP* **39**, 203, 1987.
384. INTERSTELLAR EXTINCTION AND GALACTIC STRUCTURE, **A. K. Pandey & H. S. Mahra**, *MNRAS* **226**, 635, 1987.
385. A NEW PERIOD AND PERIOD CHANGES IN VZ HYDRAE, **R. K. Srivastava**, *ASS* **133**, 71, 1987.
386. A NEW PERIOD AND PERIOD CHANGES OF GG CASSIOPEIAE, **R. K. Srivastava**, *ASS* **132**, 331, 187.
387. POSSIBLE RING SYSTEM OF NEPTUNE, **A. K. Pandey & H. S. Mahra**, *EMP* **37**, 147, 1987.
388. ON THE SOLAR LIMB DARKENING IN THE WINGS OF SOME ATOMIC HYDROGEN LINES, **K. R. Bondal, V. P. Gaur & M. C. Pande**, *BASI* **15**, 13, 1987.
389. ECLIPSING BINARY UW BOO, **J.B. Srivastava & C. D. Kandpal**, *ASS* **133**, 291, 1987.

390. ON THE CENTRE-TO-LIMB VARIATION OF SOME VISIBLE AND INFRARED ATOMIC HYDROGEN LINES IN THREE FACULAR MODELS, **K. R. Bondal & V. P. Gaur**, *BASI* **15**, 65, 1987.
391. PERIOD STUDY OF GH PEGASI, **R. K. Srivastava**, *ASS* **134**, 177, 1987.
392. ATMOSPHERIC PRECIPITABLE WATER VAPOUR OVER MANORA PEAK, NAINITAL, **B. C. Bhatt & H. S. Mahra**, *BASI* **15**, 116, 1987.
393. PHOTOELECTRIC ELEMENTS AND REVISED SPECTRAL TYPES OF XX CAS, **R. K. Srivastava**, *IBVS No.* 3001, 1987.
394. ON THE PRIMARY MINIMUM OF ECLIPSING BINARY AY CAM, **J. B. Srivastava & C. D. Kandpal**, *IBVS No.* 3005, 1987.
395. RAPID CHANGES OF BRIGHTNESS IN COMET P/HALLEY, **P. S. Goraya, W. Uddin & R. K. Srivastava**, *EMP* **38**, 53, 1987.
396. PERIOD CHANGES IN EI CEPHEI, **R. K. Srivastava**, *ASS* **135**, 229, 1987.
397. DELTA CAP: A POSSIBLE RS CVN BINARY, **R. K. Srivastava**, *IBVS No.* 3008, 1987.
398. PHOTOELECTRIC OBSERVATIONS AND WAVE MINIMUM OF RS CVN, **R. K. Srivastava**, *ASS* **137**, 63, 1987.
399. MICROWAVE AND HARD X-RAY EMISSION BURSTS DURING SOLAR FLARES, **V. K. Verma**, *IJRSP* **16**, 384, 1987.
400. GRAVITATIONAL RADIATION AND SPIRALLING TIME OF CLOSE BINARY SYSTEMS, **T. D. Padalia**, *ASS* **137**, 191, 1987.
401. ANALYSIS OF THE LIGHT CHANGES OF THE ECLIPSING BINARY XY CETI IN THE FREQUENCY DOMAIN, **R. K. Srivastava**, *ASS* **138**, 197, 1987.
402. ENERGETIC FLARE ZONES ON THE SUN, **V. K. Verma, M. C. Pande & W. Uddin**, *SP* **112**, 341, 1987.
403. ON THE ULTRAVIOLET FLUXES OF BE STARS, **S. C. Joshi & B. S. Rautela**, *BASI* **15**, 179, 1987.
404. RS CVN BINARY RW COM: A POSSIBLE THREE BODY SYSTEM, **R. K. Srivastava**, *ASS* **139**, 373, 1987.
405. ON THE OSCILLATIONS OF A COMPOSITE STELLAR MODEL WITH A WEAK MAGNETIC FIELD, **Kar Jayanta**, *ASS* **133**, 29, 1987.
406. VARIATIONS IN P/HALLY, 1986 JANUARY, **P. S. Goraya, W. Uddin & R. K. Srivastava**, *JBAA* **97**, 201, 1987.
407. RAPID VARIATIONS IN H_{α} EMISSION OF GAMMA CASSIOPEIAE, **S. C. Joshi, R. K. Srivastava & J. B. Srivastava**, *IBVS No.* 3116, 1987.

408. VARIABLE SHELL STRENGTH OF PLEIONE BU TAU, **P. S. Goraya, N. S. Tur & B. S. Rautela**, *IBVS No.* 3052, 1987.
409. CONTINUUM ENERGY DISTRIBUTION IN 48 PERSEI, **N. S. Tur, P. S. Goraya & U. S. Chaubey**, *ASS* **139**, 257, 1987.
410. ON THE INCREASE OF SOLAR ACTIVITY IN SOUTHERN HEMISPHERE DURING SOLAR CYCLE 21, **V. K. Verma**, *SP* **114**, 185, 1987.
411. ON THE PERIODICITIES OF SUNSPOTS AND SOLAR GREAT HARD X-RAY BURSTS, **V. K. Verma & G. C. Joshi**, *SP* **114**, 415, 1987.
412. STELLAR PHOTOMETRY WITH SCHMIDT PLATES, **V. Mohan & M. Crezé**, *AASS* **68**, 529, 1987.
413. OPEN CLUSTERS AND GALACTIC STRUCTURE, **A. K. Pandey, B. C. Bhatt & H. S. Mahra**, *AA* **189**, 66, 1988.
414. AN ANALYSIS OF THE SPECTRUM OF ALPHA URASAE MINORIS, **B. B. Sanwal, B. S. Rautela & G. C. Joshi**, *ASS* **140**, 131, 1988.
415. ASTROMETRIC POSITION OF COMET WILSON (19861), **S. C. Joshi, J. B. Srivastava, T. D. Padalia & C. D. Kandpal**, *EMP* **40**, 217, 1988.
416. SPATIAL LOCATIONS OF THE TYPE II BURSTS REGIONS ON THE SUN, **V. K. Verma & M. C. Pande**, *IJRSP* **17**, 8, 1988.
417. ST PERSEI : A POSSIBLE MULTIBODY SYSTEM, **R. K. Srivastava**, *ASS* **143**, 175, 1988.
418. SPECTROPHOTOMETRIC OBSERVATIONS OF DELTA CAP, **R. K. Srivastava, J. B. Srivastava & S. C. Joshi**, *ASS* **143**, 107, 1988.
419. DISC SYSTEM DELTA CAP, **R. K. Srivastava**, *ASS* **140**, 337, 1988.
420. SPECTROPHOTOMETRIC OBSERVATIONS OF COMET HARTLEY GOOD (19851), **B. S. Rautela, P. S. Goraya, B. B. Sanwal & S. K. Gupta**, *EMP* **40**, 21, 1988.
421. BRIGHTNESS CHANGES IN P/HALLEY, **P. S. Goraya, R. K. Srivastava & W. Uddin**, *EMP* **40**, 109, 1988.
422. ON THE POSSIBILITY OF FAINT MOLECULAR LINES OF PO, PH, MGH⁺ AND CN IN THE SOLAR SPECTRUM, **K. Sinha, B. M. Tripathi, R. M. Atalla & P. D. Singh**, *SP* **115**, 221, 1988.
423. MICROWAVE, HARD X-RAY AND GAMMA BURSTS FROM SOLAR FLARES, **V. K. Verma**, *IJRSP* **17**, 45, 1988.
424. MOLECULES IN WHITE DWARFS, **V. P. Gaur, B. M. Tripathi, G. C. Joshi & M. C. Pande**, *ASS* **147**, 107, 1988.
425. DETAILED PERIOD STUDY OF DELTA CAP, **R. K. Srivastava**, *ASS* **147**, 335, 1988.

426. UBV PHOTOMETRY OF ECLIPSING BINARY RZ ERIDANI, **J. B. Srivastava & C. D. Kandpal**, *ASS* **147**, 355, 1988.
427. UBV PHOTOMETRY IN TWO FIELDS IN ANTICENTRE DIRECTION, **V. Mohan, A. Bijavui, M. Crezé & A. C. Robin**, *AASS* **73**, 85, 1988.
428. PERIOD STUDY OF XY CETI, **R. K. Srivastava**, *ASS* **150**, 173, 1988.
429. GRAVITATIONAL RADIATION AND SPIRALLING TIME OF CLOSE BINARY SYSTEMS (II), **T. D. Padalia**, *ASS* **149**, 379, 1988.
430. SCANNER OBSERVATIONS OF THE COMET WILSON, **B. B. Sanwal & B. S. Rautela**, *OBS* **108**, 164, 1988.
431. INTEGRATED PARAMETERS OF OPEN CLUSTERS, **A. K. Pandey, B. C. Bhatt, H. S. Mahra & R. Sagar**, *MNRAS* **236**, 263, 1988.
432. EXTENSION OF THE COMA OF P/HALLEY, **P. S. Goraya, B. B. Sanwal & B. S. Rauleta**, *EMP* **42**, 113, 1988.
433. FIELD CONTAMINATION IN OPEN STAR CLUSTER NGC 2301, **V. Mohan & R. Sagar**, *BASI* **16**, 159, 1988.
434. SPECTROPHOTOMETRIC STUDY OF COMET BRADFIELD (1987 s), **B. S. Rautela & B. B. Sanwal**, *EMP* **43**, 221, 1988.
435. SPECTROPHOTOMETRY OF V711 TAURI, **S. C. Joshi, R. K. Srivastava & J. B. Srivastava**, *ASS* **152**, 85, 1988.
436. ECLIPSING BINARY SIGNATURES IN ZETA CAPRICONI, **R. K. Srivastava**, *IBVS No.* 3217, 1988.
437. ON THE ASSOCIATION BETWEEN CORONAL MASS EJECTIONS AND CORONAL HOLES, **V. K. Verma & M. C. Pande**, *IAU Coll. No.* 104, p. 239, 1988.
438. SCANNER OBSERVATIONS OF P/HALLEY (1982 i), **P. S. Goraya, B. S. Rautela & B. B. Sanwal**, *EMP* **40**, 221.
439. A NOTE ON INTERFEROMETRIC TESTING OF A 15 CM FLAT MIRROR, **K. G. Gupta & S. B. Tyagi**, *OPT* **17**, 79, 1988.
440. SPECTROPHOTOMETRIC STUDY OF THE CEPHEIDS DT CYG AND SZ TAU, **B. B. Sanwal & B. S. Rautela**, *ASS* **151**, 209, 1989.
441. A SPECTROPHOTOMETRIC STUDY OF GG CASSIOPEIAE, **U. S. Chaubey & M. Singh**, *ASS* **151**, 335, 1989.
442. SPECTROPHOTOMETRY OF COMET BRADFIELD (1987 s), **D. K. Ojha & S. C. Joshi**, *EMP* **44**, 1, 1989.

443. PHOTOELECTRIC PHOTOMETRY OF COMET BRADFIELD (1987 s), **T. D. Padalia**, *EMP* **44**, 25, 1989.
444. VARIATION IN COMET P/HALLEY, **P. S. Goraya, H. K. Duggal, R. K. Srivastava & W. Uddin**, *EMP* **44**, 197, 1989.
445. SPECTROPHOTOMETRY OF COMET P/HALLEY, **S. C. Joshi, B. B. Sanwal & B. S. Rautela**, *Proc. of the National Symp. on comet Halley held at IIA Bangalore, Oct. 27-29, 1987*, eds. *K. R. Sivaraman and G.S.D. Babu*, pp. 45-51, 1989.
446. ON INFRARED EXCESS EMISSION FROM HZ HERCULIS, **S. K. Ghosh, K. V. K. Iyengar, R. P. Verma & R. K. Srivastava**, *ACTA* **39**, 69, 1989.
447. NOTE ON THE BBSAG VISUAL OBSERVATIONS, **R. K. Srivastava**, *ASS* **152**, 343, 1989.
448. LIGHT VARIABILITY IN EPSILON UMA, **R. K. Srivastava**, *ASS* **154**, 336, 1989.
449. SPECTROPHOTOMETRIC OBSERVATIONS OF HR 8107, **S. C. Joshi, D. K. Ojha & J. B. Srivastava**, *JAA* **10**, 113, 1989.
450. PERIOD STUDY OF AW UMA, **R. K. Srivastava**, *ASS* **154**, 179, 1989.
451. NEAR INFRARED OBSERVATIONS AND OPTICAL IDENTIFICATIONS OF A FEW UNASSOCIATED IRAS SOURCES WITH DUST SHELLS, **K. V. K. Iyengar, S. K. Ghosh, T. N. Rengarajan, R. P. Verma, S. C. Joshi & R. K. Srivastava**, *AA* **221**, 250, 1989.
452. YAKE EFFECTS IN VARIOUS TELESCOPE MIRRORS, **K. G. Gupta**, *BASI* **17**, 120, 1989.
453. THE AGE DISTRIBUTION OF OPEN CLUSTERS AS A FUNCTION OF TRUMPLER'S CLASSIFICATIONS, **B. C. Bhatt, A. K. Pandey & H. S. Mahra**, *BASI* **17**, 35, 1989.
454. DETECTION OF NEW SHORT PERIOD OSCILLATIONS IN PG 1711 + 336 (V 795 HER), **B. N. Ashoka, S. Seetha, T. M. K. Marar, V. N. Padmini, K. Kasturirangan, U. R. Rao, M. C. Pande & H. S. Mahra**, *IBVS No.* 3352, 1989.
455. SPECTROPHOTOMETRY OF COMET HARTLEY GOOD (1985 I), **B. S. Rautela, P. S. Goraya, B. B. Sanwal & S. K. Gupta**, *EMP* **44**, 233, 1989.
456. SPECTROPHOTOMETRY OF P/HALLEY (1982 I), **P. S. Goraya, B. B. Sanwal & B. S. Rautela**, *EMP* **44**, 243, 1989.
457. A SOLAR FLARE EVENT IN CA II K ON 1989, MARCH 9, **W. Uddin & Anita Joshi**, *BASI* **17**, 139, 1989.
458. A BIBLIOGRAPHY OF COLOUR MAGNITUDE DIAGRAM STUDIES OF STAR CLUSTERS IN THE MAGELLANIC CLOUDS, **R. Sagar & A. K. Pandey**, *AASS* **79**, 407, 1989.
459. AN ANALYSIS OF SPECTROPHOTOMETRIC OBSERVATIONS OF COMETS AUSTIN (1982 G) AND BRADFIELD (1980 T), **P. D. Singh, K. Sinha, B. M. Tripathi & H. M. B. Roberty**, *EMP* **47**, 231, 1989.

460. SPECTROPHOTOMETRIC STUDY OF PERIODIC COMET HALLEY (1982 I), **P. S. Goraya, B. S. Rautela, B. B. Sanwal, S. K. Gupta, H. K. Duggal & J. S. Malhi**, *EMP* **45**, 17, 1989.
461. DUST SHELL AROUND F AND G MAIN SEQUENCE STARS, **B. S. Rautela, B. B. Sanwal & G. C. Joshi**, *ASS* **166**, 13, 1990.
462. SPECTROPHOTOMETRY OF AR LACERTAE, **U. S. Chaubey & M. Singh**, *ASS* **166**, 177, 1990.
463. GRAVITATIONAL RADIATION AND SPIRALLING TIME OF CLOSE BINARY SYSTEMS (III), **T. D. Padilia**, *ASS* **167**, 161, 1990.
464. THE YOUNG OPEN STAR CLUSTERS: STABILITY AND STRUCTURE, **A. K. Pandey, H. S. Mahra & R. Sagar**, *AJ* **99**, 617, 1990.
465. PERIOD STUDY OF IT PERSEI, **R. K. Srivastava**, *ASS* **166**, 171, 1990.
466. CONSTANCY OF PERIOD IN TX CETI, **R. K. Srivastava**, *ASS* **166**, 205, 1990.
467. POPULATION I TYPE OBJECTS AND GALACTIC STRUCTURE, **A. K. Pandey, B. C. Bhatt & H. S. Mahra**, *AA* **234**, 128, 1990.
468. SCANNER OBSERVATIONS OF COMET BRADFIELD (1987 S), **B. B. Sanwal & B. S. Rautela**, *EMP* **48**, 171, 1990.
469. UBV OBSERVATIONS OF RS CANUM VENATICORUM, **J. B. Srivastava & C. D. Kandpal**, *ASS* **163**, 217, 1990.
470. PERIOD VARIATIONS IN SZ ARIETIS, **R. K. Srivastava**, *ASS* **168**, 201, 1990.
471. STAR FORMATION EFFICIENCY IN CLOUDS OF VARIOUS MASSES, **A. K. Pandey, D. C. Paliwal & H. S. Mahra**, *Ap. J.* **362**, 165, 1990.
472. ON THE CORONAL MASS EJECTIONS ASSOCIATIONS WITH SOLAR FLARES AND CORONAL HOLES, **V. K. Verma**, *IAU Coll. No.* 142, p. 450, 1990.
473. ON IONIZED MOLECULES IN THE SOLAR ATMOSPHERE, **K. Sinha & B. M. Tripathi**, *BASI* **18**, 33, 1990.
474. IS CH⁺ PRESENT IN THE SOLAR SPECTRUM, **K. Sinha & B. M. Tripathi**, *PASJ* **42**, 737, 1990.
475. ON THE ASSOCIATION OF SOLAR PROTON EVENTS WITH OTHER OBSERVATIONS, **W. Uddin, M. C. Pande & V. K. Verma**, *BAC* **41**, 374, 1990.
476. FURTHER PHOTOMETRIC OBSERVATIONS OF AM CV_n, **S. Seetha, B. N. Ashoka, T. M. K. Marar, V. N. Padmini, K. Kasturirangan, U. R. Rao, J. C. Bhattacharyya, B. C. Bhatt, D. C. Paliwal & A. K. Pande**, *North-American Workshop on Cataclysmic variables and low-mass X-ray Binaries*, ed. C. W. Mauche, pp. 139-142, 1990.

477. HIGH SPEED PHOTOMETRY OF PG 1711 + 336, **B. N. Ashoka, S. Seetha, T. M. K. Marar, V. N. Padmini, K. Kasturirangan, U. R. Rao, J. C. Bhattacharyya, B. C. Bhatt, D. C. Paliwal & A. K. Pande**, *North-American Workshop on Cataclysmic variables and low-mass X-ray Binaries*, ed. C. W. Mauche, pp. 243-246, 1990.
478. ECLIPSING BINARIES RESEARCH AT U.P. STATE OBSERVATORY NAINI TAL, **J. B. Srivastava, U. S. Chaubey & M. C. Pande**, *BASI* **18**, 239, 1990.
479. SPECTROSCOPIC MODELS OF THE BE STAR PHI-PER, **M. Singh, M. Suzuki, M. Mon & T. Kogure**, *Proc. Conf. on Stellar Physics held in Kyoto Univ., Jan. 17-19*, pp. 18-29, 1990.
480. CONCEPT TO INCREASE THICKNESS UNIFORMITY AND TO REDUCE PIN HOLES IN VACUUM ALUMINIZED COATINGS, **T. D. Padalia**, *VN* **21**, 13, 1990.
481. INDIAN ASTRONOMERS MAKE SOLAR OBSERVATIONS FROM ANTARCTICA, **J. Singh, G. S. D. Babu, J. C. Bhattacharyya, K. R. Sivaraman & W. Uddin**, *CS* **59**, 894, 1990.
482. PERIOD STUDY OF AL CAMELOPARDALIS, **R. K. Srivastava**, *ASS* **175**, 247, 1991.
483. MOLECULES IN THE SUN, **K. Sinha**, *PASA* **9**, 32, 1991.
484. PERIOD CHANGE IN DF HYDRAE, **R. K. Srivastava**, *ASS* **181**, 15, 1991.
485. PERIOD STUDY OF V450 HERCULES, **R. K. Srivastava**, *ASS* **181**, 7, 1991.
486. PARTITION FUNCTION OF THE H_3^+ MOLECULAR ION, **S. Chandra, V. P. Gaur & M. C. Pande**, *JQSRT* **45**, 57, 1991.
487. THE DISTRIBUTION OF SUNSPOTS OVER THE SUN, **W. Uddin, M. C. Pande & V. K. Verma**, *ASS* **181**, 111, 1991.
488. IRROTATIONAL MOTION IN QUIESCENT PROMINENCES, **M. C. Pande & K. R. Bondal**, *EMP* **182**, 201, 1991.
489. UBV PHOTOMETRY OF ER VULPECULAE, **R. K. Srivastava, T. D. Padalia & J. B. Srivastava**, *ASS* **182**, 281, 1991.
490. SPECTROPHOTOMETRIC OBSERVATIONS OF UX ARIETIS, **S. C. Joshi, R. K. Srivastava & J. B. Srivastava**, *ASS* **183**, 11, 1991.
491. COLOUR INDICES OF MARKARIAN GALAXIES, **D. K. Ojha & S. C. Joshi**, *ASS* **183**, 245, 1991.
492. SEARCH OF 152-158 DAYS PERIODICITY IN THE OCCURRENCE RATE OF SOLAR FLARES INFERRED FROM SPECTRAL RADIO BURSTS DATA, **V. K. Verma, G. C. Joshi, W. Uddin & D. C. Paliwal**, *AASS* **90**, 83, 1991.
493. THE ACCELERATION OF ELECTRONS AND IONS IN SOLAR FLARES, **V. K. Verma**, *ASS* **183**, 317, 1991.
494. GRAVITATIONAL RADIATION AND SPIRALLING TIME OF CLOSE BINARY SYSTEMS (IV), **T. D. Padalia**, *ASS* **185**, 101, 1991.

495. THE ROTATIONAL MOTION IN QUIESCENT PROMINENCES, **M. C. Pande & K. R. Bondal**, *EMP* **54**, 119, 1991.
496. THE NATURE OF VELOCITY FIELDS IN QUIESCENT PROMINENCES, **K. R. Bondal & M. C. Pande**, *ASS* **181**, 161, 1991.
497. MOLECULAR EMISSION FROM THE HEAD OF COMET OKAZAKI-LEVY-RUDENKO, **B. B. Sanwal & B. S. Rautela**, *EMP* **54**, 125, 1991.
498. DOPPLER WIDTH OF CH LINES, **L. M. Punetha & G. C. Joshi**, *ASS* **181**, 327, 1991.
499. AGE CALIBRATION AND AGE DISTRIBUTION OF LMC CLUSTERS, **A. K. Pandey & H. S. Mahra**, *ASP Conf. Ser.* **13**, 167, 1991.
500. A STUDY OF THE SPATIAL VARIATION OF MASS FUNCTIONS IN SOME YOUNG OPEN CLUSTERS, **A. K. Pandey, H. S. Mahra & R. Sagar**, *ASP Conf. Ser.* **13**, 170, 1991.
501. STUDIES OF OPEN CLUSTERS AT UTTAR PRADESH STATE OBSERVATORY, **H. S. Mahra & A. K. Pandey**, *ASP Conf. Ser.* **13**, 282, 1991.
502. INTEGRATED LUMINOSITY DISTRIBUTION OF GALACTIC OPEN CLUSTERS, **B. C. Bhatt, A. K. Pandey & H. S. Mahra**, *JAA* **12**, 179, 1991.
503. ON THE SHELL STAR PLEIONE (BU TAU), **D. K. Ojha & S. C. Joshi**, *JAA* **12**, 213, 1991.
504. SPECTROPHOTOMETRIC STUDIES OF P/HALLEY DURING POST PERIHELION PASSAGE, **P. S. Goraya, B. S. Rautela, B. B. Sanwal, H. K. Duggal & N. K. Chandel**, *EMP* **54**, 13, 1991.
505. A FEW RESEARCH PROBLEMS FOR LARGE TELESCOPE, **S. C. Joshi**, *National Large Telescope Workshop (scientific requirements and requirements of site) held in Bangalore Oct. 19-21, 1989*, ed. *M. Parthasarathy*, p. 91, 1991.
506. SITE TESTING FOR HIGH RESOLUTION SOLAR OBSERVATIONS, **V. P. Gaur**, *National Large Telescope workshop (scientific requirements and requirements of site) held in Bangalore Oct. 19-21, 1989*, ed. *M. Parthasarathy*, p. 147, 1991.
507. EVOLUTION OF SUNSPOTS SEEN IN MOLECULAR LINES I, **K. Sinha & B. M. Tripathi**, *BASI* **19**, 13, 1991.
508. SPECTROPHOTOMETRIC OBSERVATIONS OF B-TYPE STARS HR 1207 AND HR 1770, **S. C. Joshi & D. K. Ojha**, *BASI* **19**, 53, 1991.
509. REPORTS FROM ASTRONOMICAL CENTERS: UTTAR PRADESH STATE OBSERVATORY JAN'87 TO DEC'89, **M. C. Pande**, *BASI* **19**, 155, 1991.
510. EVOLUTION OF SUNSPOTS SEEN IN MOLECULAR LINES II, **K. Sinha & B. M. Tripathi**, *BASI* **19**, 23, 1991.
511. A STUDY OF YOUNG OPEN CLUSTERS, **A. K. Pande, B. C. Bhatt & H. S. Mahra**, *MSAI* **62**, 927, 1991.

512. LONG-TERM SPECTRAL VARIATIONS OF THE BE STAR ζ TAU, **M. Mon, T. Kogure, M. Suzuki & M. Singh**, *Workshop on stellar activity and Binary held on 6-8 Nov. 1991 at Tokyo, Japan*, p. 140, 1991.
513. PHOTOMETRIC PERFORMANCE OF UPSO CCD SYSTEM, **V. Mohan, D. C. Paliwal & H. S. Mahra**, *BASI* **19**, 235, 1991.
514. THE GROWTH OF PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF INDIA, **S. K. Gupta & K. Sinha**, *BASI* **19**, 257, 1991.
515. STUDY OF PERIODICITIES OF SOLAR NUCLEAR GAMMA RAY FLARES AND SUNSPOTS, **V. K. Verma, G. C. Joshi & D. C. Paliwal**, *SP* **138**, 205, 1992.
516. EQUILIBRIUM CONSTANTS OF MOLECULAR ION H_3^+ , **V. P. Gaur, M. C. Pande & S. Chandra**, *ASS* **191**, 147, 1992.
517. SPECTROSCOPIC STATE OF THE BE STAR ZETA TAU IN 1976-1986, **M. Mon, T. Kogure, M. Suzuki & M. Singh**, *PASJ* **44**, 73, 1992.
518. PHOTOMETRIC STUDY OF MM CAS, **U. S. Chaubey**, *ASS* **189**, 263, 1992.
519. SPECTROPHOTOMETRIC STUDY OF COMET AUSTIN, **B. S. Rautela & B. B. Sanwal**, *EMP* **57**, 115, 1992.
520. POSSIBLE PRESENCE OF HeH^+ IN WHITE DWARF, **V. P. Gaur, G. C. Joshi & M. C. Pande**, *ASS* **197**, 57, 1992.
521. STUDY OF SOLAR TYPE II RADIO BURSTS AND $H\alpha$ FLARES, **V. K. Verma**, *IJRSP* **21**, 97, 1992.
522. SOLAR GRANULATION AND SPECKLE INTERFEROMETRY, **K. G. Gupta & M. C. Pande**, *BASI* **20**, 197, 1992.
523. CAN HeH^+ BE PRESENT IN SOLAR PHOTOSPHERE, **V. P. Gaur, G. C. Joshi & M. C. Pande**, *BASI* **20**, 61, 1992.
524. SPECTROPHOTOMETRY OF COMET LEVY (1990C), **B. S. Rautela & B. B. Sanwal**, *EMP* **58**, 233, 1992.
525. ON THE REALITY OF ACTIVE ZONES ON THE SUN, **V. K. Verma & M. C. Pande**, *PASP Conf. Ser.* **27**, 425, 1992.
526. THE DISTRIBUTION OF THE NORTH-SOUTH ASSYMETRY FOR THE VARIOUS ACTIVITY CYCLES, **V. K. Verma**, *PASP Conf. Ser.* **27**, 429, 1992.
527. ANALYSIS OF SOLAR FLARE IN CA II ON 1989 MARCH 13, **Anita Joshi & W. Uddin**, *BASI* **20**, 231, 1992.
528. EFFECT OF MASS SEGREGATION ON MASS FUNCTION OF YOUNG OPEN CLUSTERS, **A. K. Pande, H. S. Mahra & R. Sagar**, *BASI* **20**, 287, 1992.

529. THE ENVELOPE OF BE STARS IN BINARY SYSTEMS, **T. Kogure, M. Mon, M. Suzuki & M. Singh**, *ASP Conf. Ser.* **38**, 404, 1992.
530. THE EDGE OF THE GALACTIC DISC, **A. C. Robin, M. Cre   & V. Mohan**, *Ap. J.* **400**, L25, 1992.
531. THE RADIAL STRUCTURE OF THE GALACTIC DISC, **A. C. Robin, M. Cre   & V. Mohan**, *AA* **265**, 32, 1992.
532. A MAGNITUDE, COLOUR AND PROPER MOTION PROBE OF THE GALAXY AT AN INTERMEDIATE GALACTIC LATITUDE, **O. Bienayme, V. Mohan, M. Cre  , S. Consiadere & A. C. Robin**, *AA* **253**, 389, 1992.
533. THE RADIAL STRUCTURE OF THE GALACTIC DISC IN BACK TO THE GALAXY, **A. C. Robin, M. Cre   & V. Mohan**, *Proc. of 3rd annual conf. in Maryland* **278**, 489, 1992.
534. CCD PHOTOMETRY OF GALACTIC OPEN STAR CLUSTER KING-10, **V. Mohan, A. K. Pandey, D. C. Paliwal, R. Sagar & H. S. Mahra**, *BASI* **20**, 303, 1992.
535. ON THE SOLAR ABUNDANCE OF IRON, **K. Sinha & B. B. Sanwal**, *BASI* **20**, 283, 1992.
536. CORONAL MASS EJECTION AND THEIR ASSOCIATION WITH SOLAR FLARES AND CORONAL HOLES, **V. K. Verma**, *IJRSP* **21**, 64, 1992.
537. GRAVITATIONAL RADIATION (V), **T. D. Padalia**, *ASS* **202**, 63, 1993.
538. ON THE NORTH SOUTH ASYMMETRY OF SOLAR ACTIVITY CYCLE, **V. K. Verma**, *Ap. J.* **403**, 797, 1993.
539. REPORT ON THE IAU COLL. NO. 137, **M. Singh**, *BASI* **21**, 79, 1993.
540. SUPERACTIVE REGION (AR5395) OF SOLAR CYCLE 22, **Anita Joshi**, *SP* **147**, 269, 1993.
541. CCD PHOTOMETRY OF GALACTIC OPEN STAR CLUSTER-II NGC 7419, **B.C. Bhatt, A. K. Pandey, V. Mohan, H. S. Mahra & D. C. Paliwal**, *BASI* **21**, 33, 1993.
542. STUDY OF CALCIUM K NETWORK EVOLUTION FROM ANTARCTICA, **J. Singh, B. S. Nagabhushana, G. S. D. Babu & W. Uddin**, *SP* **153**, 157, 1993.
543. POPULATION SYNTHESIS IN THE GALAXY, **A. C. Robin, M. Cre   & V. Mohan**, *Panchromatic view of galaxies, International Scientific Spring meeting of the Astronomical Gesellschaft*, ed. G. Hensler, p. 411, 1993.
544. SPECTROSCOPIC OBSERVATIONS OF THE BE STAR ϕ PER, **M. Singh, M. Mon, T. Kogure & M. Suzuki**, *ASP Conf. Ser.* **40**, 804, 1993.
545. PERIOD STUDY OF AX DRACONIS, **R. K. Srivastava**, *ASS* **206**, 13, 1993.
546. VARIABILITY OF 20 CVN, **R. K. Srivastava**, *ASS* **206**, 5, 1993.

547. THEORETICAL DETERMINATION OF THE SPECTROSCOPIC CONSTANTS OF CAH^+ , **S. Cannto, M. A. Castro & K. Sinha**, *PR A* **48**, 2461, 1993.
548. UBV OBSERVATIONS OF THE ECLIPSING BINARY FW MONOCEROTIS, **J. B. Srivastava & C. D. Kandpal**, *ASS* **209**, 59, 1993.
549. UBV PHOTOMETRY OF COMET SWIFT-TUTTLE (1992T), **T. D. Padalia, S. K. Gupta, R. K. Srivastava & U. S. Chaubey**, *BASI* **21**, 647, 1993.
550. MASS TRANSFER IN ALGOLS AND ITS IMPLICATIONS TO THE MASS TRANSFER THEORY, **U. S. Chaubey**, *BASI* **21**, 597, 1993.
551. RELATION BETWEEN VLF PHASE DEVIATIONS AND SOLAR X-RAY FLUXES DURING SOLAR FLARES, **P. Pant**, *ASS* **209**, 297, 1993.
552. SUN : A "LABORATORY" SOURCE, **K. Sinha**, *Saha Centenary Proc.*, 1993.
553. SPECTROPHOTOMETRIC OBSERVATIONS OF THE COMET SWIFT-TUTTLE (1992T), **B. B. Sanwal, B. S. Rautela, M. Singh & J. B. Srivastava**, *BASI* **21**, 635, 1993.
554. CCD IMAGING CAMERA AND CCD BASED GUIDING SYSTEM AT THE 1 METER UPSO TELESCOPE, **B. B. Sanwal**, *BASI* **21**, 353, 1993.
555. QUASI PERIODIC OSCILLATIONS IN THE CATAclysmic VARIABLE KR AURIGAE, **Jyoti Singh, P. V. Rao, P. C. Agrawal, K. M. V. Apparao, K. K. Manchanda, B. B. Sanwal & M. B. K. Sarma**, *Ap. J.* **419**, 337, 1993.
556. ON THE UNUSUAL SURGE OF 1991 NOV., 16, **K. R. Bondal, V. P. Gaur, Anita Joshi, W. Uddin & M. C. Pande**, *BASI* **22**, 59, 1994.
557. SPECTROPHOTOMETRIC STUDY OF THE COMET P/SWIFT-TUTTLE (1992T), **B. B. Sanwal, B. S. Rautela, M. Singh & J. B. Srivastava**, *EMP* **64**, 139, 1994.
558. SUDDEN PHASE ANOMALIES DURING SOLAR FLARES, **P. Pant**, *BASI* **22**, 159, 1994.
559. ON THE DETECTIBILITY OF HEH^+ IN THE SOLAR PHOTOSPHERIC SPECTRUM, **K. Sinha**, *BASI* **22**, 143, 1994.
560. FILTER DISC-ROTATOR, **S. K. Gupta, S. L. Nautiyal & B. S. Negi**, *BASI* **22**, 177, 1994.
561. CCD PHOTOMETRY OF GALACTIC OPEN CLUSTER-III NGC 1931, **B. C. Bhatt, A. K. Pandey, H. S. Mahra & D. C. Paliwal**, *BASI* **22**, 291, 1994.
562. CCD PHOTOMETRY OF GALACTIC OPEN CLUSTER-IV NGC 366 , **A. K. Pandey, B. C. Bhatt, V. Mohan, D. C. Paliwal & H. S. Mahra**, *BASI* **22**, 369, 1994.
563. SPECTROSCOPIC STUDY OF BE STAR ϕ PER, **M. Singh, M. Mon, T. Kogure & M. Suzuki**, *PASJ* **46**, 21, 1994.

564. UBV CCD STANDARDS NEAR 5C1 RADIO SOURCES AT INTERMEDIATE GALACTIC LATITUDE-I, **V. Mohan, D. K. Ojha, O. Bienayme, D. C. Paliwal, A. K. Pandey, A. C. Robin, B. B. Sanwal, M. Chareton, B. C. Bhatt, E. Oblak, M. Haywwd & M. Crezé**, *BASI* **22**, 403, 1994.
565. ANALYSIS OF AN UMBRAL FLARE OBSERVED FROM ANTARCTICA, **W. Uddin & J. Singh**, *Ninth Indian Expedition to Antarctica, Scientific Report, Department of Ocean Development, N. Delhi, Technical Publ. No. 6*, pp. 29-43, 1994.
566. CONSTANCY OF PERIOD IN XX LEONIS, **R. K. Srivastava**, *ASS* **219**, 291, 1994.
567. ON THE OCCURRENCE RATE OF HIGH SPEED SOLAR WIND EVENTS, **V. K. Verma & G. C. Joshi**, *SP* **155**, 401, 1994.
568. EFFECT OF SOLAR ECLIPSE ON VLF, **P. Pant & H. S. Mahra**, *IJRSP* **23**, 399, 1994.
569. RELATIONSHIP OF SOFT X-RAY AND HARD X-RAY EMISSION OBSERVED BY SMM SATELLITE DURING SOLAR FLARES, **V. K. Verma & M. C. Pande**, *Proc. of the Saha centenary symp. on Plasma Science and Technology, Univ. of Allahabad*, p. 263, 1994.
570. MONITORING OF FLARE AT NTL OBSERVATORY, **B. B. Sanwal**, *IAU Coll. No. 151*, p. 115, 1994.
571. A NEW UBV PROPER MOTION SURVEY IN THE ANTICENTRE DIRECTION AT INTERMEDIATE GALACTIC LATITUDE: KINEMATICS OF THE GALAXIES STELLAR POPULATION, **D. K. Ojha, O. Beinayme, A. C. Robin & V. Mohan**, *AA* **284**, 810, 1994.
572. A MULTICOLOR SURVEY OF ABSOLUTE PROPER MOTION: GALACTIC STRUCTURE AND KINEMATICS IN THE DIRECTION OF GALACTIC CENTRE AT INTERMEDIATE LATITUDES, **D. K. Ojha, O. Bienayme, A. C. Robin & V. Mohan**, *AA* **290**, 771, 1994.
573. HOW DO THE STELLAR DISC AND THICK DISC STOP?, **A. C. Robin, M. Crezé & V. Mohan**, *IAU Symp. No. 169*, p. 681, 1994.
574. DIAGNOSTIC TOOLS FOR SUNSPOTS: THE MOLECULES C₂, MGH AND TiO, **K. Sinha**, *IAU Symp. No. 154*, p. 489, 1994.
575. ASYMMETRIES DURING MAXIMUM PHASE OF SOLAR CYCLE 22, **Anita Joshi**, *SP* **157**, 315, 1995.
576. EVOLUTION OF HELICAL PROMINENCE OF DEC 15, 1992, **W. Uddin, V. P. Gaur & M. C. Pande**, *BASI* **23**, 159, 1995.
577. ON THE MAGNITUDE VARIATION OF COMET SWIFT-TUTTLE (1992T), **T. D. Padalia, S. K. Gupta, U. S. Chaubey & R. K. Srivastava**, *BASI* **23**, 85, 1995.
578. STUDY OF QUIESCENT PROMINENCE, **Anita Joshi, V. P. Gaur & M. C. Pande**, *BASI* **23**, 93, 1995.
579. PHOTOGRAPHIC OBSERVATIONS OF COMET SWIFT-TUTTLE (1992T), **S. C. Joshi, J. B. Srivastava, B. S. Rautela & B. B. Sanwal**, *BASI* **23**, 91, 1995.

580. A NOTE ON THE ROTATIONAL MOTION IN QUIESCENT PROMINENCES, **M. C. Pande & K. R. Bondal**, *BASI* **23**, 97, 1995.
581. ON THE ABUNDANCE OF ELEMENTS IN Y DRA (IAU J. D. 16), **K. Sinha, B. B. Sanwal & D. F. Gray**, *ASP Conf. Ser.* **78**, 407, 1995.
582. ERUPTIVE PROMINENCE ASSOCIATED WITH LIMB FLARE OF 25 JANUARY 1991, **W. Uddin & V. K. Verma**, *ASS* **243**, 173, 1996.
583. CCD PHOTOMETRY OF OPEN CLUSTER BE 69, **A. K. Pandey, A. K. Durgapal, B. C. Bhatt, V. Mohan & H. S. Mahra**, *IAU Symp. No.* **174**, p. 339, 1996.
584. ERUPTION OF LARGE QUIESCENT PROMINENCE OF JANUARY 14, 1993, **W. Uddin & K. R. Bondal**, *BASI* **24**, 39, 1996.
585. UBV-CCD STANDARDS IN TWO GALACTIC DIRECTIONS II, **V. Mohan, B. B. Sanwal, D. C. Paliwal, A. K. Pandey, B. C. Bhatt & A. C. Robin**, *BASI* **24**, 7, 1996.
586. A PHOTOMETRIC STUDY OF THE OPEN CLUSTER KING-7, **A. K. Durgapal, V. Mohan, A. K. Pandey & H. S. Mahra**, *BASI* **24**, 701, 1996.
587. TOTAL SOLAR ECLIPSE OBSERVATIONS OF 24 OCTOBER 1995 FROM MEJA KHAS, ALLAHABAD, **V. K. Verma, W. Uddin, V. P. Gaur, G. C. Joshi, K. R. Bondal & P. Pant**, *BASI* **24**, 653, 1996.
588. EMISSION FROM THE HEAD OF COMET H/HALLEY DURING POST-PERHELION, **P. S. Goraya, B. S. Rautela, B. B. Sanwal, A. K. Pandey & H. K. Duggal**, *BASI* **24**, 649, 1996.
589. SPECTROPHOTOMETRY OF RZ CAS, **U. S. Chaubey**, *BASI* **24**, 687, 1996.
590. SPECTROPHOTOMETRIC OBSERVATIONS OF SOME BE STARS, **M. Singh & B. B. Sanwal**, *BASI* **24**, 691, 1996.
591. MULTICOLOUR SURFACE PHOTOMETRY OF GALAXIES MRK 35 AND MRK 799, **A. Chitre, U. C. Joshi & J. B. Srivastava**, *BASI* **24**, 819, 1996.
592. DEVELOPMENT OF HIGH SPEED CAMERA SYSTEM FOR THE OBSERVATIONS OF SOLAR H α FLARES, **V. K. Verma, W. Uddin & V. P. Gaur**, *JKAS* **29**, S391, 1996.
593. DISCOVERY OF A PLANETARY SYSTEM AROUND 51 PEGASUS, **R. Sagar**, *BASI* **24**, 5, 1996.
594. INFLUENCE OF A THIRD BODY ON THE LUMINOSITY OF A COMPACT BINARY SYSTEM, **S. K. Barman & R. Sagar**, *BASI* **24**, 47, 1996.
595. INTRA NIGHT OPTICAL MONITORING OF OPTICALLY SELECTED BRIGHT QUASARS, **R. Sagar, G. Krishna & P. J. Wiita**, *MNRAS* **281**, 1267, 1996.
596. NUCLEAR DUST AND OUTER SHELLS IN ELLIPTIC GALAXY NGC 7562, **D. K. Sahu, S. K. Pande, D. K. Chakaraborty, A. Kembhavi & V. Mohan**, *AA* **314**, 721, 1996.

597. SOLAR LOG GF VALUES FOR THE SPECTRAL LINES IN THE RANGE $\lambda\lambda$ 6209-6273 Å, **C. S. Stalin, K. Sinha & B. B. Sanwal**, *BASI* **25**, 117, 1997.
598. ON THE OSCILLATOR STRENGTH OF SiH^+ , **C. Trivedi & K. Sinha**, *BASI* **25**, 87, 1997.
599. STELLAR CONTENTS OF TWO OPEN CLUSTERS BE 64 AND BE 69, **A. K. Pandey, A. K. Durgapal, B. C. Bhatt, V. Mohan & H. S. Mahra**, *AASS* **122**, 111, 1997.
600. VARIABILITY OF ETA HYADRAE, **B. K. Saxena & R. K. Srivastava**, *BASI* **25**, 103, 1997.
601. CCD PHOTOMETRY OF GALACTIC OPEN STAR CLUSTERS - V, KING 7, **A. K. Durgapal, A. K. Pandey & V. Mohan**, *BASI* **25**, 489, 1997.
602. MULTICOLOUR DEEP CCD PHOTOMETRIC STUDY OF THE MODERATELY YOUNG SOUTHERN OPEN STAR CLUSTERS NGC 3228, NGC 4103, NGC 5662 AND NGC 6087, **R. Sagar & R. D. Cannon**, *AASS* **122**, 9, 1997.
603. ALUMINIZING FACILITIES AT NAINITAL OBSERVATORY, **B. B. Sanwal & K. G. Gupta**, *BIVS* **28**, 27, 1997.
604. PHOTOELECTRIC FLASH-LIGHT OBSERVATIONS OF SL9 IMPACT ON JUPITER, **R. K. Srivastava, T. D. Padalia & H. S. Mahra**, *BASI* **25**, 213, 1997.
605. SOLAR LOG GF VALUES IN THE INFRARED J AND H BAND, **C. S. Stalin, C. Trivedi, K. Sinha & B. B. Sanwal**, *BASI* **25**, 353, 1997.
606. CCD OBSERVATIONS OF THE TOTAL SOLAR ECLIPSE OF 24TH OCTOBER 1995, **V. K. Verma, W. Uddin, V. P. Gaur, G. C. Joshi & K. R. Bondal**, *KOB* **13**, 29, 1997.
607. THE AGES OF THE GALACTIC GLOBULAR CLUSTERS, **R. Sagar**, *JAA* **18**, 295, 1997.
608. SPECTROPHOTOMETRIC OBSERVATIONS OF THE COMET C/1995 01 HALE-BOPP, **B. B. Sanwal & M. Singh**, *Jour. of M. P. Birla Planetarium* **1**, 19, 1998.
609. OBSERVATIONS OF THE COMET HYAKUTAKE, **M. Singh & B. B. Sanwal**, *Jour. of M. P. Birla Planetarium* **1**, 21, 1998.
610. THE PUPPIS OB III ASSOCIATION : POLARIZATION MEASUREMENTS, **H. C. Bhatt, S. K. Jain & R. Sagar**, *AA* **331**, 737, 1998.
611. SOLAR OBSERVATIONAL PROGRAMMES AND FACILITIES AT UPSO NAINITAL, **V. P. Gaur, V. K. Verma & W. Uddin**, *BASI* **26**, 289, 1998.
612. V,I CCD PHOTOMETRY OF METAL-RICH GLOBULAR CLUSTERS : NGC 6528, **T. Richtler, E. K. Grebel, A. Subramaniam & R. Sagar**, *AASS* **127**, 167, 1998.
613. UNIVERSE AT LARGE, **R. K. Srivastava**, *UB* **1**, 42, 1998.
614. ERUPTION OF TWISTED FILAMENT, ASSOCIATED FLARE AND TRANSIENT PHENOMENONA, **W. Uddin & V. K. Verma**, *BASI* **26**, 200, 1998.

615. CCD OBSERVATIONS OF ERUPTIVE PROMINENCE OF MARCH 19, 1994, **W. Uddin, V. P. Gaur & M. C. Pande**, *BASI* **26**, 317, 1998.
616. CCD IMAGING OF GAMMA RAY BURSTER FIELDS, **S. G. Bhargavi, R. Cowsik, A. K. Pati & R. Sagar**, *BASI* **26**, 597, 1998.
617. BINARY'S BALLET, **R. K. Srivastava**, *UB* **3**, 27, 1998.
618. CLOSE BINARY STARS WITH MODERATE SIZE OPTICAL TELESCOPE, **U. S. Chaubey**, *BASI* **26**, 525, 1998.
619. CCD PHOTOMETRY OF THE OPEN CLUSTER KING 5, **A. K. Durgapal, A. K. Pandey & V. Mohan**, *BASI* **26**, 551, 1998.
620. CCD PHOTOMETRY OF MARKARIAN GALAXY MRK 1043, **S. C. Joshi, B. S. Rautela, G. C. Joshi, J. B. Srivastava & U. C. Joshi**, *BASI* **26**, 593, 1998.
621. TIFR/UPSO 3-METRE TELESCOPE PROJECT, **V. Mohan**, *BASI* **26**, 367, 1998.
622. ABSOLUTE ENERGY DISTRIBUTION STUDIES IN STARS AND COMETS, **B. B. Sanwal & B. S. Rautela**, *BASI* **26**, 461, 1998.
623. A REPORT ON THE STUDIES OF STAR CLUSTER WITH UPSO 104-CM SAMPURNANAND TELESCOPE DURING LAST 25 YEARS, **A. K. Pandey**, *BASI* **26**, 539, 1998.
624. ANOMALOUS REDDENING LAW IN THE GALACTIC GAIANT H II REGION NGC 3603, **A. K. Pandey & K. Ogura**, *BASI* **26**, 545, 1998.
625. CCD PHOTOMETRY OF GALACTIC OPEN CLUSTER – VI, NGC 2309, **Nilakshi, A. K. Pandey & V. Mohan**, *BASI* **26**, 555, 1998.
626. CN AND C₂ IN HYAKUTAKE (C/1996 B2), **B. S. Rautela, G. C. Joshi & J. B. Srivastava**, *BASI* **26**, 439, 1998.
627. SPECTROPHOTOMETRIC STUDIES OF THE COMET C/1996 B2 HYAKUTAKE, **M. Singh & B. B. Sanwal**, *BASI* **26**, 435, 1998.
628. PROPOSED MICROTHERMAL MEASUREMENTS AT DEVASTHAL, NAINITAL, **P. Pant & R. Sagar**, *BASI* **26**, 397, 1998.
629. NEGLECTED BINARIES OF SPECIAL INTEREST, **R. K. Srivastava**, *BASI* **26**, 531, 1998.
630. PROPOSED 60-CM MULTICHANNEL SOLAR VACUUM TELESCOPE OF UPSO, NAINITAL, **V. K. Verma, W. Uddin & V. P. Gaur**, *BASI* **26**, 411, 1998.
631. BVI CCD PHOTOMETRY OF THE DISTANT OPEN STAR CLUSTERS BERKELEY 81, BERKELEY 99, NGC 6603 AND NGC 7044, **R. Sagar & W. K. Griffiths**, *MNRAS* **299**, 1, 1998.
632. MASS FUNCTION OF FIVE DISTANT NORTHERN OPEN STAR CLUSTERS, **R. Sagar & W. K. Griffiths**, *MNRAS* **299**, 777, 1998.

633. DEVELOPMENT OF AN INSTRUMENT BASED ON A FIBRE-BONDED CCD CAMERA FOR PROMINENCE OBSERVATIONS, **V. K. Verma, W. Uddin & V. P Gaur**, *ASP Conf. Ser.* **150**, 506, 1998.
634. APPLICATION OF SPATIAL COHERENCE SPECTROSCOPY FOR THE ANGULAR DIAMETER OF STARS; FEASIBILITY EXPERIMENT, **H. C. Kandpal, A. Wasan, J. S Vaishya, E. S. R. Gopal, M. Singh, B. B. Sanwal & R. Sagar**, *IJPAP* **36**, 665, 1998.
635. ERUPTION OF A TWISTED FILAMENT AND ASSOCIATED PHENOMANA, **W. Uddin & V. K. Verma**, *ASP Conf. Ser.* **150**, 338, 1998.
636. ON THE ORIGIN OF SOLAR CORONAL MASS EJECTION, **V. K. Verma**, *JIGR* **2**, 63, 1998.
637. SEARCHING FOR LOW MASS OBJECTS IN THE GALACTIC HALO, **A. C. Robin, V. Mohan & M. Crézé**, *Galaxy evolution: connecting the distant universe with the local fossil record organised by Paris-Mendon Observatory from 21-25 Sept. 1998 in Mendon, France*, 1998.
638. V,I CCD PHOTOMETRY OF METAL-RICH BULGE GLOBULAR CLUSTERS : NGC 6553, **R. Sagar, A. Subramaniam, T. Richtler & E. K. Grebel**, *AASS* **135**, 391, 1999.
639. YOUNG STAR CLUSTERS OF THE GALAXY AND THE LMC AS TEST FOR EVOLUTIONARY MODEL STELLAR, **R. Sagar & A. Subramaniam**, *RMAA* **8**, 93, 1999.
640. MULTI-COLOUR OPTICAL MONITORING OF THE INTRA-DAY VARIABLE BLAZAR S5 0716+714444, **R. Sagar, G. Krishna, V. Mohan, A. K. Pandey, B. C. Bhatt & S. J. Wagner**, *AASS* **134**, 453, 1999.
641. CN AND C_2 MOLECULES IN THE COMA OF COMET C/199501 HALE-BOPP, **B. B. Sanwal & M. Singh**, *BASI* **27**, 79, 1999.
642. COSMIC RAYS PERIODICITY AT 170 DAYS, **Anita Joshi**, *SP* **185**, 397, 1999.
643. MULTICOLOUR DEEP CCD PHOTOMETRIC AND STELLAR EVOLUTIONARY STUDIES OF THE OPEN STAR CLUSTERS NGC 1907, NGC 1912, NGC 2383, NGC 2384 AND NGC 6709, **A. Subramaniam & R. Sagar**, *AJ* **117**, 937, 1999.
644. MICROTHERMAL MEASUREMENTS OF SURFACE LAYER SEEING AT DEVASTHAL, **P. Pant, C. S. Stalin & R. Sagar**, *AASS* **136**, 19, 1999.
645. OPTICAL FOLLOW UP OF THE GRB 990123 SOURCE FROM UPSO, NAINITAL, **R. Sagar, A. K. Pandey, V. Mohan, R. K. S. Yadav, Nilakshi, D. Bhattacharya & A. J. Castro-Tirada**, *BASI* **27**, 3, 1999.
646. THE EFFECT OF MAGNETIC FIELDS ON γ -RAY BURSTS INFERRED FROM MULTIWAVELENGTH OBSERVATIONS OF THE BURSTS OF 23 JANUARY 1999, **T. J. Galama et al. (including R. Sagar, A. K Pandey, Nilakshi & R. K. S. Yadav)**, *Nature* **398**, 394, 1999.
647. DECAY OF THE GRB 990123, OPTICAL AFTERGLOW: IMPLICATIONS FOR THE FIREBALL MODEL, **A. J. Castro-Tirado et. al. (including R. Sagar, A. K. Pandey, V. Mohan, R. K. S. Yadav & Nilakshi)**, *Science* **283**, 2069, 1999.

648. GRB 990123: NEW OPTICAL OBSERVATIONS, DECAY MEASURE, **J. S. Bloom, R. Sagar, A. K. Pandey, Nilakshi & R. K. S. Yadav**, *GCN Circ. No.* 218, 1999.
649. GRB 990123: NEW BV OBSERVATIONS, **R. Sagar, A. K. Pandey, R. K. S. Yadav, Nilakshi & V. Mohan**, *GCN Circ. No.* 227, 1999.
650. GRB 990123: BVRI STANDARDS IN THE FIELD, **Nilakshi, R. K. S. Yadav, V. Mohan, A. K. Pandey & R. Sagar**, *GCN Circ. No.* 252, 1999.
651. BVRI CCD PHOTOMETRIC STANDARDS IN THE FIELD OF GRB 990123, **Nilakshi, R. K. S. Yadav, V. Mohan, A. K. Pandey & R. Sagar**, *BASI* **27**, 405, 1999.
652. NEW SURVEYS OF UBV PHOTOMETRY AND ABSOLUTE PROPER MOTIONS AT INTERMEDIATE LATITUDE, **D. K. Ojha, O. Bienayme, V. Mohan & A. C. Robin**, *AA* **351**, 945, 1999.
653. SWING IN BINARY RESEARCH, **R. K. Srivastava**, *UB* **3**, 36, 1999.
654. DISCOVERY OF PULSATION IN THE AM STAR HD 13079, **P. Martinez, D. W. Kurtz, B. N. Ashoka, U. S. Chaubey, S. K. Gupta, F. Leone, G. Calanzaro, R. Sagar, E. RaJ, S. Seetha & K. Kasturirangan**, *MNRAS* **309**, 871, 1999.
655. DISCOVERY OF 29-MIN PULSATIONS IN THE CHEMICALLY PECULIAR STAR HD 13038, **P. Martinez, B. N. Ashoka, D. W. Kurtz, S. K. Gupta & U. S. Chaubey**, *IBVS No.* 4677, 1999.
656. ATMOSPHERIC EXTINCTION AT DEVASTHAL, NAINITAL, **V. Mohan, W. Uddin, R. Sagar & S. K. Gupta**, *BASI* **27**, 601, 1999.
657. FIRST INDIAN OBSERVATIONS OF THE OPTICAL TRANSIENT OF A GAMMA-RAY BURST, **R. Sagar**, *CS* **76**, 865, 1999.
658. SOME NEW INITIATIVES IN OPTICAL ASTRONOMY AT UPSO, NAINITAL, **R. Sagar**, *CS* **77**, 643, 1999.
659. GRB 991208 OPTICAL OBSERVATIONS, **V. Mohan, A. K. Pandey, R. Sagar, S. B. Pandey & A. J. Castro-Tirado**, *GCN Circ. No.* 467, 1999.
660. GRB 991217 (SAX J 2303.2+0015) OPTICAL OBSERVATIONS, **V. Mohan, R. Sagar, A. K. Pandey, S. B. Pandey, J. Gorosabel & A. J. Castro-Tirado**, *GCN Circ. No.* 502, 1999.
661. PROPOSED 60-CM SOLAR VACCUUM TELESCOPE WITH MULTICHANNEL FACILITY OF UPSO, NAINITAL, **V. K. Verma**, *ASP Conf. Ser.* **183**, 213, 1999.
662. DEVELOPMENT OF AN INSTRUMENT FOR OBSERVATIONS OF SOLAR H α FLARES WITH TIME RESOLUTION OF 25MS, **V. K. Verma**, *ASP Conf. Ser.* **183**, 288, 1999.
663. RECENT OPTICAL/NEAR-IR OBSERVATIONS OF GRBS, **A. J. Castro-Tirado et al. (including V. Mohan & R. Sagar)**, *Gamma-ray Bursts: 5th Huntsville Symp.*, p. 313, 2000.

664. ANOTHER INDIAN OPTICAL OBSERVATION OF A GAMMA-RAY BURST AFTERGLOW FROM UPSO, NAINITAL, **R. Sagar**, *CS* **78**, 539, 2000.
665. TEMPORAL BEHAVIOUR OF EMISSIONS FROM γ -RAY BURST AND OPTICAL/NEAR IR AFTERGLOWS OF GRB 991208 AND GRB 991216, **R. Sagar, V. Mohan, A. K. Pandey, S. B. Pandey & A. J. Castro-Tirado**, *BASI* **28**, 15, 2000.
666. IMPORTANCE OF SMALL AND MODERATE SIZE OPTICAL TELESCOPES, **R. Sagar**, *CS* **78**, 1076, 2000.
667. GLOBULAR CLUSTER SYSTEMS IN GIANT ELLIPTICAL GALAXIES: A PROBE FOR THE GALAXY FORMATION AND EVOLUTION, **A. Subramaniam & R. Sagar**, *BASI* **28**, 163, 2000.
668. BINARY STAR CLUSTERS IN GALAXIES: OUR GALAXY, **A. Subramaniam, U. Gorti, R. Sagar & H. C. Bhatt**, *BASI* **28**, 257, 2000.
669. SURVEY FOR α STARS IN THE NORTHERN SKY FROM NAINITAL, **B. N. Ashoka, S. Seetha, E. Raj, U. S. Chaubey, S. K. Gupta, S. Joshi, D. N. Kurtz, P. Martinez, R. Sagar & K. Kasturirangan**, *BASI* **28**, 251, 2000.
670. SURGE ACTIVITIES ON NOVEMBER 26-28, 1990, **W. Uddin & V. K. Verma**, *BASI* **28**, 125, 2000.
671. DISTRIBUTION OF STELLAR MASS IN YOUNG CLUSTERS OF OUR GALAXY AND NEARBY GALAXIES, **R. Sagar**, *BASI* **28**, 55, 2000.
672. SPECTROPHOTOMETRIC OBSERVATIONS OF COMET HALE BOPP (C/1995 01), **B. S. Rautela, G. C. Joshi & J. B. Srivastava**, *BASI* **28**, 129, 2000.
673. CCD PHOTOMETRY OF THE WOLF RAYET GALAXY MINK, **M. Singh, B. B. Sanwal & C. S. Stalin**, *BASI* **28**, 393, 2000.
674. SITE CHARACTERIZATION FOR THE UPSO-TIFR TELESCOPE, **R. Sagar, W. Uddin, A. K. Pandey, C. S. Stalin, V. Mohan, B. B. Sanwal, S. K. Gupta, R. K. S. Yadav, A. K. Durgapal, S. Joshi, B. Kumar, A. C. Gupta, Y. C. Joshi, J. B. Srivastava, U. S. Chaubey, M. Singh, P. Pant, K. G. Gupta & T. D. Padalia**, *BASI* **28**, 429, 2000.
675. EVALUATION OF DEVASTHAL SITE FOR OPTICAL ASTRONOMICAL OBSERVATIONS, **R. Sagar, C. S. Stalin, A. K. Pandey, W. Uddin, V. Mohan, B. B. Sanwal, S. K. Gupta, R. K. S. Yadav, A. K. Durgapal, S. Joshi, B. Kumar, A. C. Gupta, Y. C. Joshi, J. B. Srivastava, U. S. Chaubey, M. Singh, P. Pant & K. G. Gupta**, *AASS* **144**, 349, 2000.
676. RAPID OPTICAL VARIABILITY IN RADIO-QUIET QSOs, **G. Krishna, A. C. Gupta, R. Sagar, P. J. Wiita, U. S. Chaubey & C. S. Stalin**, *MNRAS* **314**, 815, 2000.
677. KINEMATICS AND CMD OF THE GLOBULAR CLUSTER NGC 4147, **J. J. Wang, L. Chen, Z. Y. Wu, A. C. Gupta & M. Geffert**, *AASS* **142**, 373, 2000.
678. ON THE DISTRIBUTION AND ASYMMETRY OF SOLAR ACTIVE PROMINENCES, **V. K. Verma**, *SP* **194**, 87, 2000.

679. DISCOVERY OF δ SCUTI PULSATIONS IN HD 98851, **S. Joshi, V. Girish, P. Martinez, R. Sagar, B. N. Ashoka, S. K. Gupta, S. Seetha, D. W. Kurtz & U. S. Chaubey**, *IBVS No.* 4900, 2000.
680. GRB 000301C WITH PECULIAR AFTERGLOW EMISSION, **R. Sagar, V. Mohan, S. B. Pandey, A. K. Pandey, C. S. Stalin & A. J. Castro-Tirado**, *BASI* **28**, 499, 2000.
681. STELLAR CONTENTS OF THE GALACTIC GIANT H II REGION NGC 3603, **A. K. Pandey, K. Ogura & K. Sekiguchi**, *PASJ* **52**, 847, 2000.
682. SKY TRANSPARENCY OVER NAINITAL: A RETROSPECTIVE STUDY, **B. Kumar, R. Sagar, B. S. Rautela, J. B. Srivastava & R. K. Srivastava**, *BASI* **28**, 675, 2000.
683. A COMPLETE PHOTOMETRIC STUDY OF THE OPEN CLUSTER NGC 7790 CONTAINING CEPHEID VARIABLES, **A. C. Gupta, A. Subramaniam, R. Sagar & W. K. Griffiths**, *AASS* **145**, 365, 2000.
684. ANALYSIS OF THE 9TH NOVEMBER 1990 FLARE, **Anita Joshi & W. Uddin**, *JAA* **21**, 229, 2000.
685. PERIODIC VARIATIONS OF THE NORTH-SOUTH ASYMMETRY OF SOLAR ACTIVITY PHENOMENA, **V. K. Verma**, *JAA* **21**, 173, 2000.
686. UNUSUALLY RAPID VARIABILITY OF THE GRB 000301C OPTICAL AFTERGLOW, **N. Masetti et al. (including R. Sagar, V. Mohan & A. K. Pandey)**, *AA* **359**, L23, 2000.
687. A SURVEY FOR PULSATING AP STARS FROM NAINITAL, **P. Martinez, D. W. Kurtz, U. S. Chaubey, S. K. Gupta, S. Joshi, R. Sagar, B. N. Ashoka & S. Seetha**, *IAU Coll. No.* 176, p. 485, 2000.
688. GRB 000115 OPTICAL OBSERVATIONS, **J. Gorosabel, F. Vrba, A. Henden, V. Mohan, A. K. Pandey, R. Sagar, S. B. Pandey, P. Kilmartin, I. Bond, N. Rattenbury, P. Yock & A. J. Castro-Tirado**, *GCN Circ. No.* 563, 2000.
689. DISCOVERY OF RAPID OSCILLATIONS IN STAR HD 12098, **P. Martinez, V. Girish, S. Joshi, D. W. Kurtz, B. N. Ashoka, U. S. Chaubey, S. K. Gupta, R. Sagar & S. Seetha**, *IBVS No.* 4853, 2000.
690. GRB 000301C OPTICAL OBSERVATIONS, **V. Mohan, A. K. Pandey, S. B. Pandey, R. Sagar & A. J. Castro-Tirado**, *GCN Circ. No.* 595, 2000.
691. GRB 000408 OPTICAL OBSERVATION, **A. Henden, C. Luginbuhl, B. Canzian, V. Mohan, S. B. Pandey, R. Sagar, D. Alcalde, D. Martinez-Delgado, J. M. Castro Ceron, A. J. Castro-Tirado & J. Gorosabel**, *GCN Circ. No.* 633, 2000.
692. OBSERVATIONAL FEATURES SENSITIVE TO CONVECTIVE CORE OVERSHOOTING IN THE COLOUR-MAGNITUDE DIGRAMS OF STAR CLUSTERS, **R. Sagar**, *Abstract book of the IAU 24th General Assembly, Manchester, UK, 7–18 Aug. 2000, P. 163 (Ref. JD5.031 P)*, 2000.
693. GRB 001105 R-BAND OBSERVATIONS, **V. Mohan, R. Sagar, S. B. Pandey & A. J. Castro-Tirado**, *GCN Circ. No.* 875, 2000.

694. GRB 001105 FURTHER OPTICAL OBSERVATIONS, **J. M. Castro Ceron, A. J. Castro-Tirado, A. Henden, F. Vrba, J. Fliri, J. Greiner, H. Meusinger, S. Klose, V. Mohan, R. Sagar & S. B. Pandey**, *GCN Circ. No.* 894, 2000.
695. GRB 001212 OPTICAL OBSERVATIONS, **V. Mohan, R. Sagar, S. B. Pandey & A. J. Castro-Tirado**, *GCN Circ. No.* 900, 2000.
696. THE 1999 LEONID METEOR SHOWER FROM NAINI TAL, INDIA, **Nilakshi, K. Upadhyay, S. B. Pandey, J. C. Pandey & Snehlata**, *WGN Journal of the International Meteor Organization* **28**, 41, 2000.
697. CORONAL HOLES AND FLARE INDEX: A CORRELATION STUDY, **A. Joshi**, *SP* **198**, 149, 2001.
698. SEEING AND MICROTHERMAL MEASUREMENTS NEAR DEVASTHAL TOP, **C. S. Stalin, R. Sagar, P. Pant, V. Mohan, B. Kumar, Y. C. Joshi, R. K. S. Yadav, S. Joshi, R. Chandra, A. K. Durgapal & W. Uddin**, *BASI* **29**, 39, 2001.
699. A STUDY OF THE OLD GALACTIC STAR CLUSTER BERKLEY 32, **T. Richtler & R. Sagar**, *BASI* **29**, 53, 2001.
700. THE EXTRAORDINARILY BRIGHT OPTICAL AFTERGLOW OF GRB 991208 AND ITS HOST GALAXY, **A. J. Castro-Tirado et al. (including R. Sagar, V. Mohan, A. K. Pandey & S. B. Pandey)**, *AA* **370**, 398, 2001.
701. PROPAGATION AND POPULARIZATION OF ASTRONOMY, **R. K. Srivastava**, *UB* **5**, 40, 2001.
702. GRB 000926 AND ITS OPTICAL AFTERGLOW : ANOTHER POSSIBLE EVIDENCE FOR NON-ISOTROPIC EMISSION, **R. Sagar, S. B. Pandey, V. Mohan, D. Bhattacharya & A. J. Castro-Tirado**, *BASI* **29**, 1, 2001.
703. THE NAINI TAL – CAPE SURVEY FOR PULSATIONS IN CHEMICALLY PECULIAR A-TYPE STARS, **P. Martinez, D. W. Kurtz, B. N. Ashoka, U. S. Chaubey, V. Girish, S. K. Gupta, S. Joshi, K. Kasturirangan, R. Sagar & S. seetha**, *AA* **371**, 1048, 2001.
704. DEVELOPMENT OF A THREE CHANNEL PHOTOMETER FOR UPSO, NAINITAL, **B. N. Ashoka, Kumar, V. C. Babu, S. Seetha, V. Girish, S. K. Gupta, R. Sagar, S. Joshi & P. Narang**, *JAA* **22**, 131, 2001.
705. MULTICOLOUR CCD PHOTOMETRY OF OLD OPEN CLUSTERS: KING 5 AND BE20, **A. K. Durgapal, A. K. Pandey & V. Mohan**, *AA* **372**, 71, 2001.
706. OPTICAL AND RADIO OBSERVATIONS OF THE BRIGHT GRB 010222 AFTERGLOW : EVIDENCE FOR RAPID SYNCHROTRON COOLING, **R. Sagar, C. S. Stalin, D. Bhattacharya, S. B. Pandey, V. Mohan, A. J. Castro-Tirado, A. P. Rao, S. A. Trushkin, N. A. Nizhelskij, M. Bremer & J. M. Castro Ceron**, *BASI* **29**, 91, 2001.
707. NGC 7654 : AN INTERESTING CLUSTER TO STUDY STAR FORMATION HISTORY, **A. K. Pandey, Nilakshi, K. Ogura, R. Sagar & K. Tarusawa**, *AA* **374**, 504, 2001.
708. STRUCTURE AND MASS FUNCTION OF FIVE INTERMEDIATE/OLD OPEN CLUSTER, **A. K. Durgapal & A. K. Pande**, *AA* **375**, 840, 2001.

709. A MULTICOLOUR CCD PHOTOMETRIC AND MASS FUNCTION STUDY OF THE DISTANT SOUTHERN OPEN STAR CLUSTERS NGC 3105, NGC 3603, MELOTTE 105, HOGG 15, NGC 4815, PISMIS 20 AND NGC 6253, **R. Sagar, U. Munari & K. S. de Boer**, *MNRAS* **327**, 23, 2001.
710. EMISSION FROM GRBs AND THEIR AFTERGLOWS: INDIAN OBSERVATIONS, **R. Sagar**, *BASI* **29**, 215, 2001.
711. DYNAMICAL PROPERTIES OF FLARE LOOPS OF 27 NOVEMBER 1996, **W. Uddin & L. Prasad**, *BASI* **29**, 241, 2001.
712. SURFACE PHOTOMETRY OF THREE WOLF-RAYET GALAXIES, **M. Singh, B. B. Sanwal & C. S. Stalin**, *BASI* **29**, 447, 2001.
713. ON THE PERIODICITY OF HIGH SPEED SOLAR WIND STREAMS, **V. K. Verma**, *SSR* **97**, 205, 2001.
714. WOLF-RAYET GALAXIES AND THEIR CCD PHOTOMETRY, **B. B. Sanwal**, *BASI* **29**, 407, 2001.
715. NON-UNIFORM EXTINCTION IN YOUNG OPEN STAR CLUSTERS, **R. K. S. Yadav & R. Sagar**, *MNRAS* **328**, 370, 2001.
716. HD 12098 - A NEW NORTHERN HEMISPHERE roAp STAR, **V. Girish, S. Seetha, P. Martinez, S. Joshi, B. N. Ashoka, D. W. Kurtz, U. S. Chaubey, S. K. Gupta & R. Sagar**, *AA* **380**, 142, 2001.
717. A DEEP VI CCD PHOTOMETRIC STUDY OF THE NEGLECTED GALACTIC STAR CLUSTER NGC 6631, **R. Sagar, B. N. Naidu & V. Mohan**, *BASI* **29**, 519, 2001.
718. SEARCH FOR MICROLENSING EVENTS TOWARDS M31 GALAXY, **Y. C. Joshi, A. K. Pandey, D. Narasimha & R. Sagar**, *BASI* **29**, 531, 2001.
719. DUST IN AN EXTRAGALACTIC ENVIRONMENT: THE CASE OF NGC 2907, **M. K. Patil, S. K. Pandey, A. K. Kembhavi & M. Singh**, *BASI* **29**, 453, 2001.
720. PHOTOMETRIC STUDIES OF INTERMEDIATE AND OLD AGE GALACTIC STAR CLUSTERS, **A. K. Durgapal**, *BASI* **29**, 389, 2001.
721. DISCOVERY OF PULSATIONS IN HD 98851, **S. Joshi, V. Girish, P. Martinez, R. Sagar, B. N. Ashoka, S. K. Gupta, S. Seetha, U. S. Chaubey & D. W. Kurtz**, *BASI* **29**, 301, 2001.
722. HD 12098 A NEW FAR-NORTHERN roAp STAR, **V. Girish, S. Joshi, S. Seetha, B. N. Ashoka, P. Martinez, U. S. Chaubey, S. K. Gupta, D. W. Kurtz & R. Sagar**, *BASI* **29**, 305, 2001.
723. NAINI TAL-CAPE SURVEY FOR PULSATING CHEMICALLY PECULIAR STARS - A STATUS REPORT, **S. Seetha, U. S. Chaubey, V. Girish, S. Joshi, B. N. Ashoka, S. K. Gupta, D. W. Kurtz, P. Martinez & R. Sagar**, *BASI* **29**, 309, 2001.

724. OPTICAL FOLLOW-UP OF GRB AFTERGLOWS FROM UPSO, NAINI TAL, **S. B. Pandey, R. Sagar, V. Mohan, A. K. Pandey, D. Bhattacharya & A. J. Castro-Tirado**, *BASI* **29**, 459, 2001.
725. UPSO THREE CHANNEL FAST PHOTOMETER, **S. K. Gupta, R. Sagar, S. Joshi, B. N. Ashoka, V. C. Babu, S. Seetha & V. Girish**, *BASI* **29**, 479, 2001.
726. PERFORMANCE OF THE IIA MOSAIC CCD CAMERA SYSTEM, **B. N. Naidu, R. Srinivasan, V. Mohan & R. Sagar**, *BASI* **29**, 545, 2001.
727. GCN GRB OBSERVATION REPORT, **V. Mohan, S. B. Pandey, J. C. Pandey, Y. C. Joshi, R. Sagar, M. Creze, A. J. Castro-Tirado, J. M. C. Ceron, J. Greiner, S. Klose & J. Fliri**, *GCN Circ. No.* 1120, 2001.
728. A COMPREHENSIVE STUDY OF THE RICH OPEN STAR CLUSTER NGC 2099 BASED ON DEEP BVI CCD OBSERVATIONS, **Nilakshi & R. Sagar**, *AA* **381**, 65, 2002.
729. A STUDY OF SPATIAL STRUCTURE OF GALACTIC OPEN STAR CLUSTERS, **Nilakshi, R. Sagar, A. K. Pandey & V. Mohan**, *AA* **383**, 153, 2002.
730. OBSERVATIONS OF GRB AFTERGLOWS FROM NAINITAL: EVIDENCE IN FAVOUR OF JET MODEL, **R. Sagar**, *BASI* **30**, 237, 2002.
731. INTEGRATED PHOTOMETRIC CHARACTERISTIC OF GALACTIC OPEN STAR CLUSTERS, **Snehlata, A. K. Pandey, R. Sagar & V. Mohan**, *AA* **388**, 158, 2002.
732. DETERMINING FIELD CORRELATIONS PRODUCED BY STARS FROM THE STUDY OF SPECTRAL CHANGES IN DOUBLE SLIT EXPERIMENT, **H. C. Kandpal, D. S. Mehta, E. S. R. Gopal, J. S. Vaishya, B. B. Sanwal, M. Singh & R. Sagar**, *ASS* **280**, 209, 2002.
733. EVIDENCE FOR SHOCK ACCELERATION AND INTERGALACTIC MAGNETIC FIELDS IN A LARGE-SCALE FILAMENT OF GALAXIES ZWC12341.1+0000, **J. Bagchi, T. A. Enblin, F. Miniati, C. S. Stalin, M. Singh, S. Raychaudhury & N. B. Humeshkar**, *NA* **7**, 249, 2002.
734. DISCOVERY OF THE 'MISSING' MODE IN HR1217 BY THE WHOLE EARTH TELESCOPE, **D. W. Kurtz et al. (including S. Joshi)**, *MNRAS* **330**, L57, 2002.
735. A DEEP UBVRI CCD PHOTOMETRIC STUDY OF THE OPEN CLUSTERS TR1 AND BE11, **R. K. S. Yadav & R. Sagar**, *MNRAS* **337**, 133, 2002.
736. CORONAL MASS EJECTIONS: RELATIONSHIP WITH SOLAR FLARES AND CORONAL HOLES, **V. K. Verma**, *Cospar Colloquia Series* **13**, 319, 2002.
737. DUST PROPERTIES IN EARLY-TYPE GALAXIES, **M. K. Patil, D. K. Sahu, S. K. Pandey, A. K. Kembhavi, U. C. Joshi, K. S. Baliyan & M. Singh**, *BASI* **30**, 759, 2002.
738. A COMPRATIVE STUDY OF THE INTRA-NIGHT OPTICAL VARIABILITY OF POWERFUL AGNS, **C. S. Stalin, G. Krishna, R. Sagar & P. J. Witta**, *BASI* **30**, 765, 2002.
739. SPECTROPHOTOMETRY OF THE COMETS C/2000 WM1(LINEAR) AND C/2002 C1 (IKEYA-ZHANG), **B. B. Sanwal, B. Kumar & M. Singh**, *BASI* **30**, 943, 2002.

740. ON MASS AND VELOCITY DISTRIBUTIONS IN MEMBERS OF STAR CLUSTERS: AN ANALYTICAL APPROACH, **S. Chatterjee, B. Kumar & R. Sagar**, *BASI* **30**, 951, 2002.
741. NEW PULSATING VARIABLES DISCOVERED FROM THE NAINI TAL-CAPE SURVEY, **S. Seetha, B. N. Ashoka, S. Joshi, V. Girish, R. Sagar, U. S. Chaubey & S. K. Gupta**, *BASI* **30**, 623, 2002.
742. AEROSOL CONTENTS AT AN ALTITUDE OF ~ 2 KM IN CENTRAL HIMALAYAS, **R. Sagar, B. Kumar, P. Pant, U. C. Dumka, K. K. Moorty & R. Sridharan**, *IASTA-2002/session II/P-10*, 167, 2002.
743. PHOTOMETRIC VARIABILITY OF FOUR CORONALLY ACTIVE STARS, **J. C. Pandey, K. P. Singh, R. Sagar & S. A. Drake**, *JAA* **23**, 9, 2002.
744. PHOTOMETRIC VARIABILITY OF FOUR CORONALLY ACTIVE STARS, **J. C. Pandey, K. P. Singh, R. Sagar & S. A. Drake**, *Multi Colour Universe*, ed. *R. K. Manchanda*, pp. 58-62, 2002.
745. CHARACTERISTICS OF GRB AFTERGLOWS OBSERVED FROM NAINITAL: A COMPARISON WITH SYNCHROTRON EMISSION MODEL, **R. Sagar**, *Multi Colour Universe*, ed. *R. K. Manchanda*, pp. 201-207, 2002.
746. DISCOVERY OF PULSATION IN THE AM STAR HD 102480, **S. Joshi, V. Girish, R. Sagar, D. W. Kurtz, P. Martinez & S. Seetha**, *Comm. in Asteroseismology* **142**, 50, 2002.
747. AUTOMATED DATA ACQUISITION AND ANALYSIS SYSTEM FOR THE UPSO 3 CHANNEL FAST PHOTOMETER, **S. K. Gupta, S. Joshi, V. Girish, R. Sagar, B. N. Ashoka, S. Seetha, H. P. Singh & M. K. Das**, *Automated Data Analysis in Astronomy*, ed. *R. Gupta, H. P. Singh & C. A. L. Bailer-Jones*, pp. 205-210, 2002.
748. ESTIMATION OF FRIED'S PARAMETER FROM SPECKLEGRAMS OF SOLAR FEATURES, **R. Sridharan, P. Venkatakrishnan & V. K. Verma**, *SP* **211**, 395, 2002.
749. THE MASS FUNCTION OF YOUNG STAR CLUSTERS IN OUR GALAXY AND NEARBY GALAXIES: IS IT UNIVERSAL? (GEISLER, DOUGH: EXTRAGALACTIC STAR CLUSTERS), **R. Sagar**, *IAU Symp.* **207**, 515, 2002.
750. INTERSTELLAR EXTINCTION IN THE OPEN CLUSTERS TOWARDS GALACTIC LONGITUDE AROUND 130° , **A. K. Pandey, K. Upadhyay, Y. Nakada & K. Ogura**, *AA* **397**, 191, 2003.
751. A FLATTENING IN THE OPTICAL LIGHT CURVE OF SN 2002AP, **S. B. Pandey, G. C. Anupama, R. Sagar, D. Bhattacharya, D. K. Sahu & J. C. Pandey**, *MNRAS* **340**, 375, 2003.
752. AMPLITUDE AND FREQUENCY VARIABILITY OF THE PULSATING DB WHITE DWARF STARS KUV 05134+2605 AND PG 1654+160 OBSERVED WITH THE WHOLE EARTH TELESCOPE, **G. Handler et al. (including S. Joshi)**, *MNRAS* **340**, 1031, 2003.
753. IDENTIFICATION OF 13 CEPHEIDS AND 333 OTHER VARIABLES IN M31, **Y. C. Joshi, A. K. Pandey, D. Narasimha, R. Sagar & Y. Giraud-Heraud**, *AA* **402**, 113, 2003.

754. CLEAR EVIDENCE FOR INTRANIGHT OPTICAL VARIABILITY IN RADIO-QUIET QUASARS, **G. Krishna, C. S. Stalin, R. Sagar & P. J. Wiita**, *Ap. J.* **586**, L25, 2003.
755. HIGH PRECISION WITH THE WHOLE EARTH TELESCOPE: LESSONS AND SOME RESULTS FROM XCOV20 FOR THE ROAP STAR HR 1217, **D. W. Kurtz et al. (including S. Joshi)**, *BA* **12**, 105, 2003.
756. CONSTRAINING THE EVOLUTION OF ZZ CETI, **A. S. Mukadam et al. (including S. Joshi)**, *BA* **12**, 71, 2003.
757. OPTICAL AND NEAR-INFRARED OBSERVATIONS OF THE GRB020405 AFTERGLOW, **N. Masetti et al. (including V. Mohan, R. Sagar & S. B. Pandey)**, *AA* **404**, 465, 2003.
758. PHOTOMETRY AND LOW RESOLUTION SPECTROSCOPY OF HOT POST-AGB CANDIDATES, **G. Gauba, M. Parthasarathy, B. Kumar, R. K. S. Yadav & R. Sagar**, *AA* **404**, 305, 2003.
759. FR CNC = BD + 16°1753 - A YOUNG ACTIVE MAIN-SEQUENCE STAR, **J. C. Pandey, K. P. Singh, R. Sagar & S. A. Drake**, *IBVS* No. 5351, 2003.
760. EVOLUTION OF VERY IMPULSIVE FLARE ON MARCH 10, 2001, **W. Uddin, R. Chandra, A. Joshi & R. Jain**, *Probing the Sun with high resolution*, ed. *S. C. Tripathi & P. Venkatakrishnan*, pp. 107-111, 2003.
761. RELATIONSHIP OF LASCO HALO CORONAL MASS EJECTIONS WITH OTHER SOLAR PHENOMENA, **V. K. Verma**, *Probing the Sun with high resolution*, ed. *S. C. Tripathi & P. Venkatakrishnan*, pp. 143-148, 2003.
762. STUDY OF DYNAMIC FLARE ON NOVEMBER 24, 2000 FROM SUPER-ACTIVE NOAA 9236, **R. Chandra, W. Uddin, R. Jain & A. Joshi**, *Probing the Sun with high resolution*, ed. *S. C. Tripathi & P. Venkatakrishnan*, pp. 219-222, 2003.
763. ANALYSIS OF NOVEMBER 25, 1990 FLARE, **A. Joshi, W. Uddin & R. Chandra**, *Probing the Sun with high resolution*, ed. *S. C. Tripathi & P. Venkatakrishnan*, pp. 223-226, 2003.
764. OPTICAL OBSERVATIONS OF THE BRIGHT LONG DURATION PECULIAR GRB 021004 AFTERGLOW, **S. B. Pandey, D. K. Sahu, L. Resmi, R. Sagar, G. C. Anupama, D. Bhattacharya, V. Mohan, T. P. Prabhu, B. C. Bhatt, J. C. Pandey, P. Parihar & A. J. Castro-Tirado**, *BASI* **31**, 19, 2003.
765. THE AFTERGLOW AND THE HOST GALAXY OF GRB 011211, **P. Jakobsson et al. (including S. B. Pandey)**, *AA* **408**, 941, 2003.
766. CONSTRAINING THE EVOLUTION OF ZZ CETI, **A. Mukadam et al. (including S. Joshi)**, *Ap. J.* **594**, 961, 2003.
767. UBVRI CCD PHOTOMETRY OF THE OB ASSOCIATIONS BOCHUM 1 AND BOCHUM 6, **R. K. S. Yadav & R. Sagar**, *BASI* **31**, 87, 2003.
768. PHOTOMETRIC BINARY CONTENT IN INTERMEDIATE/OLD OPEN CLUSTERS, **T. S. Sandhu, A. K. Pandey & R. Sagar**, *AA* **408**, 515, 2003.

769. DISCOVERY OF UNUSUAL PULSATIONS IN THE COOL, EVOLVED AM STARS HD 102480, **S. Joshi, V. Girish, R. Sagar, D. W. Kurtz, P. Martinez, B. Kumar, S. Seetha, B. N. Ashoka & A. Zhou**, *MNRAS* **344**, 431, 2003.
770. THE OPTICAL AFTERGLOW OF THE NOT SO DARK GRB 021211, **S. B. Pandey, G. C. Anupama, R. Sagar, D. Bhattacharya, A. J. Castro-Tirado, D. K. Sahu, P. Parihar & T. P. Prabhu**, *AA* **408**, L21, 2003.
771. A WHOLE EARTH TELESCOPE CAMPAIGN ON THE PULSATING SUBDWARF B BINARY SYSTEM PG 1336-018(NY VIR), **D. Kilkenny et al. (including S. Joshi)**, *MNRAS* **345**, 834, 2003.
772. GRB 030227: THE FIRST MULTIWAVELENGTH AFTERGLOW OF AN INTEGRAL GRB*, **A. J. Castro-Tirado et al. (including R. Sagar, S. B. Pandey & V. Mohan)**, *AA* **411**, L315, 2003.
773. FLARES FROM THE GIANT AR 9433 ON 24 APRIL 2001, **A. Joshi, R. Chandra & W. Uddin**, *SP* **217**, 173, 2003.
774. DYNAMICS OF LIMB FLARE AND ASSOCIATED PRIMARY AND SECONDARY POST FLARE LOOPS, **W. Uddin, B. Joshi, R. Chandra & A. Joshi**, *BASI* **31**, 303, 2003.
775. STUDIES OF YOUNG STELLAR OBJECTS, **R. K. S. Yadav**, *BASI* **31**, 257, 2003.
776. A COMPARATIVE STUDY OF INTRA-NIGHT OPTICAL MICRO-VARIABILITY OF HIGH LUMINOSITY AGN CLASSES, **C. S. Stalin**, *BASI* **31**, 265, 2003.
777. FR CNC - A YOUNG SPOTTED STAR, **J. C. Pandey**, *BASI* **31**, 329, 2003.
778. SN 2002AP, THE HYPERNOVA OF CLASS IC, **S. B. Pandey, D. K. Sahu, G. C. Anupama, D. Bhattacharya & R. Sagar**, *BASI* **31**, 351, 2003.
779. OPEN STAR CLUSTERS: STAR FORMATION AND STRUCTURE, **A. K. Pandey**, *BASI* **31**, 175, 2003.
780. STUDY OF THREE HOMOLOGOUS SOLAR FLARES OBSERVED FROM ACTIVE REGION NOAA 9033 ON 12TH JUNE 2000, **V. K. Verma & H. O. Vats**, *BASI* **31**, 289, 2003.
781. WIDE FIELD CCD PHOTOMETRY OF THE YOUNG OPEN CLUSTER NGC 663, **A. K. Pandey, K. Upadhyay, K. Ogura & R. Sagar**, *BASI* **31**, 377, 2003.
782. POSSIBLE MICROLENSING EVENT IN THE DIRECTION OF M31, **Y. C. Joshi, A. K. Pandey, D. Narasimha & R. Sagar**, *BASI* **31**, 417, 2003.
783. INTRANIGHT OPTICAL VARIABILITY OF BLAZARS, **R. Sagar, C. S. Stalin, Gopal-Krishna & P. J. Wiita**, *MNRAS* **348**, 176, 2004.
784. EARLY OPTICAL AND MILLIMETER OBSERVATIONS OF GRB 030226 AFTERGLOW, **S. B. Pandey, R. Sagar, G. C. Anupama, D. Bhattacharya, D. K. Sahu, A. J. Castro-Tirado & M. Bremer**, *AA* **417**, 919, 2004.

785. THE NORTH-SOUTH ASYMMETRY OF SOFT X-RAY FLARE INDEX DURING SOLAR CYCLES 21, 22 AND 23, **B. Joshi & A. Joshi**, *SP* **219**, 343, 2004.
786. ON THE DETERMINATION OF AGE AND MASS FUNCTIONS OF STARS IN YOUNG OPEN STAR CLUSTERS FROM THE ANALYSIS OF THEIR LUMINOSITY FUNCTIONS, **A. E. Piskunov, A. N. Belikov, N. V. Kharchenko, R. Sagar & A. Subramaniam**, *MNRAS* **349**, 1449, 2004.
787. UBVRI CCD PHOTOMETRIC STUDY OF THE OPEN CLUSTER BASEL 4 AND NGC 7067, **R. K. S. Yadav & R. Sagar**, *MNRAS* **349**, 1481, 2004.
788. CHARACTERISTICS OF AEROSOL SPECTRAL OPTICAL DEPTHS OVER MANORA PEAK: A HIGH-ALTITUDE STATION IN THE CENTRAL HIMALAYAS, **R. Sagar, B. Kumar, U. C. Dumka, K. K. Moorthy & P. Pant**, *JGR* **109**, D06207, 2004.
789. INTRANIGHT OPTICAL VARIABILITY OF RADIO-QUIET AND RADIO LOBE-DOMINATED QUASARS, **C. S. Stalin, Gopal-Krishna, R. Sagar & P. J. Wiita**, *MNRAS* **350**, 175, 2004.
790. SPECTROPHOTOMETRY OF THE COMET C/2002 V1 (NEAT), **B. B. Sanwal, B. Kumar & M. Singh**, *BASI* **32**, 25, 2004.
791. CCD PHOTOMETRY OF THE UNSTUDIED GALACTIC STAR CLUSTERS BE 10, BE 67 AND TO 5, **S. Lata, V. Mohan, A. K. Pandey & R. Sagar**, *BSAI* **32**, 59, 2004.
792. GRB 040511 : OPTICAL OBSERVATION , **B. Kumar, A. Goyal, R. Sagar & D. Bhattacharya**, *GCN Circ. No. 2590*, 2004.
793. A COMPREHENSIVE CCD PHOTOMETRIC STUDY OF THE OPEN CLUSTER NGC 2421, **R. K. S. Yadav & R. Sagar**, *MNRAS* **351**, 667, 2004.
794. OPTICAL VARIABILITY PROPERTIES OF HIGH LUMINOSITY AGN CLASSES, **C. S. Stalin, Gopal-Krishna, R. Sagar & P. J. Wiita**, *JAA* **25**, 1, 2004.
795. ON THE HIGHLY REDDENED MEMBERS IN SIX YOUNG GALACTIC STAR CLUSTERS - A MULTI-WAVELENGTH STUDY, **B. Kumar, R. Sagar, B. B. Sanwal & M. S. Bessell**, *MNRAS* **353**, 991, 2004.
796. DRAG BARYONS NOT IN ANCIENT HALO WHITE DWARFS, **M. Creze, V. Mohan, A. C. Robin, C. Reyle, H. J. McCracken, J. C. Cuillandre, O. Le Fevre & Y. Mellier**, *AA* **426**, 65, 2004.
797. GRB 040403 OPTICAL OBSERVATIONS, **K. Misra**, *GCN Circ. No. 2564*, 2004.
798. GRB 041006 OPTICAL AFTERGLOW OBSERVATIONS, **K. Misra & S.B. Pandey**, *GCN Circ. No. 2794*, 2004.
799. GRB 041015 R BAND OBSERVATIONS, **K. Misra & S.B. Pandey**, *GCN Circ. No. 2812*, 2004.
800. A CASE STUDY ON THE IMPACT OF WET REMOVAL ON AEROSOL SPECTRAL OPTICAL DEPTH AND RETRIEVED SIZE DISTRIBUTIONS, **A. Saha & K. K. Moorthy**, *IASTA Bulletin* **16**, 194, 2004.

801. DETERMINATION OF MIXING LAYER HEIGHT USING LIDAR, **M.K. Srivastava, G. Martucci, V. Mitev, R. Matthew, Frioud & H. Richner**, *IASTA Bulletin* **16**, 200, 2004.
802. AEROSOL OPTICAL DEPTHS OVER A HIGH ALTITUDE STATION:-NAINITAL: SPECTRAL CHARACTERISTICS AND FORENOON-AFTERNOON ASYMMETRY, **U. C. Dumka, B. Kumar, P. Pant, K. K. Moorthy, R. Sagar & A. Saha**, *IASTA Bulletin* **16**, 223, 2004.
803. SPATIAL GRADIENTS IN AEROSOL OPTICAL DEPTH AND COLUMNAR SIZE CHARACTERISTICS OVER ARABIAN SEA AND TROPICAL INDIAN OCEAN, **A. Saha & K. K. Moorthy**, *IASTA Bulletin* **16**, 248, 2004.
804. SPATIAL VARIATION OF AEROSOL OPTICAL DEPTH OVER ARABIAN SEA: EFFECT OF LONG-RANGE TRANSPORTS, **A. Saha & K. K. Moorthy**, *IASTA Bulletin* **16**, 286, 2004.
805. SPECTRAL CHARACTERISTICS AND COLUMNAR SIZE DISTRIBUTION OF AEROSOLS OVER ARABIAN SEA AND TROPICAL INDIAN OCEAN, **A. Saha & K. K. Moorthy**, *IASTA Bulletin* **16**, 393, 2004.
806. CCD PHOTOMETRY OF THE GALACTIC STAR CLUSTERS BE 15, BE 71 AND KING 1, **S. Lata, V. Mohan & R. Sagar**, *BASI* **32**, 371, 2004.
807. ARIES IMAGING POLARIMETER, **B. S. Rautela, G. C. Joshi & J. C. Pandey**, *BASI* **32**, 159, 2004.
808. MULTI-WAVELENGTH OBSERVATIONS OF AN UNUSUAL IMPULSIVE FLARE ASSOCIATED WITH CME, **W. Uddin, R. Jain, K. Yoshimura, R. Chandra, T. Sakao, T. Kosugi, A. Joshi & M. R. Deshpande**, *SP* **225**, 325, 2004.
809. PHOTOMETRIC STUDY OF TWO NOVAE IN M31, **Y. C. Joshi, A. K. Pandey, D. Narasimha, Y. Giraud-Heraud, R. Sagar & J. Kaplan**, *AA* **415**, 471, 2004.
810. FIRST MICROLENSING CANDIDATE TOWARDS M31 FROM THE NAINITAL MICROLENSING SURVEY, **Y. C. Joshi, A. K. Pandey, D. Narasimha & R. Sagar**, *AA* **433**, 787, 2005.
811. LONG-TERM OPTICAL PHOTOMETRIC MONITORING OF THE QUASAR SDSS J153259.96-003944.1, **C. S. Stalin & R. Srianand**, *MNRAS* **359**, 1022, 2005.
812. PUSHING THE GROUND-BASED LIMIT: 14- μ MAG PHOTOMETRIC PRECISION WITH THE DEFINITIVE WHOLE EARTH TELESCOPE ASTEROSEISMIC DATA SET FOR THE RAPIDLY OSCILLATING AP STAR HR 1217, **D. W. Kurtz et al. (including S. Joshi)**, *MNRAS* **358**, 651, 2005.
813. MASS FUNCTION STUDY OF SIX OPEN CLUSTERS BE 10, BE 67, TO 5, BE 15, BE 71 AND KING 1, **S. Lata**, *BASI* **33**, 51, 2005.
814. GMRT H1 OBSERVATIONS OF THE ERIDANUS GROUP OF GALAXIES, **A. Omar & K. S. Dwarakanath**, *JAA* **26**, 1, 2005.
815. THE H1 CONTENT OF THE ERIDANUS GROUP OF GALAXIES, **A. Omar & K. S. Dwarakanath**, *JAA* **26**, 71, 2005.

816. RADIO CONTINUUM AND FAR-INFRARED EMISSION FROM THE GALAXIES IN THE ERDANUS GROUP, **A. Omar & K. S. Dwarakanath**, *JAA* **26**, 89, 2005.
817. DISTRIBUTION OF H α FLARES DURING SOLAR CYCLE 23*, **B. Joshi & P. Pant**, *AA* **431**, 359, 2005.
818. INTERMEDIATE-TERM PERIODICITIES IN SOFT X-RAY FLARE INDEX DURING SOLARCYCLE 21, 22 AND 23, **B. Joshi & A. Joshi**, *SP* **226**, 153, 2005.
819. OPTICAL AND X-RAY STUDIES OF CHROMOSPHERICALLY ACTIVE STARS: FR CANCRI, HD 95559, AND LO PEGASI, **J. C. Pandey, K. P. Singh, S. A. Drake & R. Sagar**, *AJ* **130**, 1231, 2005.
820. RADIO, MILLIMETER AND OPTICAL MONITORING OF GRB 030329 AFTERGLOW: CONSTRAINING THE DOUBLE JET MODEL, **L. Resmi, C. H. Ishwara-Chandra, A. J. Castro-Tirado, D. Bhattacharya, A. P. Rao, M. Bremer, S. B. Pandey, D. K. Sahu, B. C. Bhatt, R. Sagar, G. C. Anupama, A. Subramaniam, A. Lundgren, J. Gorosabel, S. Guziy, A. de Ugarte Postigo, J. M. Castro Ceron & T. Wiklind**, *AA* **440**, 477, 2005.
821. NGC 146: A YOUNG OPEN CLUSTER WITH A HERBIG BE STAR AND INTERMEDIATE MASS PRE-MAIN SEQUENCE STARS, **A. Subramaniam, D. K. Sahu, R. Sagar & P. Vijitha**, *AA* **440**, 511, 2005.
822. SS 433: RESULTS OF A RECENT MULTIWAVELENGTH CAMPAIGN, **S. K. Chakrabarti, B. G. Anandarao, S. Pal, S. Mondal, A. Nandi, A. Bhattacharyya, S. Mandal, R. Sagar, J. C. Pandey, A. Pati & S. K. Saha**, *MNRAS* **362**, 957, 2005.
823. ON THE ANALYSIS OF LIGHT CURVES IN ASTEROSEISMOLOGY, **D. L. Mary**, *JAA* **26**, 283, 2005.
824. FACILITIES AT ARIES FOR THE NAINITAL CAPE SURVEY, **R. Sagar & D. L. Mary**, *JAA* **26**, 339, 2005.
825. THE NAINITAL-CAPE SURVEY: A SEARCH FOR VARIABILITY IN AP AND AM STARS, **S. Joshi**, *JAA* **26**, 193, 2005.
826. CHARACTERIZATION OF THE SEMI-ANNUAL-OSCILLATION IN MESOSPHERIC TEMPERATURES AT LOW-LATITUDES, **M. J. Taylor, A. K. Taori, D. R. Hatch, H. L. Liu & R. G. Roble**, *ASR* **35**, 2037, 2005.
827. INTRANIGHT OPTICAL VARIABILITY OF BL LACS, RADIO-QUIET QUASARS AND RADIO-LOUD QUASARS, **C. S. Stalin, A. C. Gupta, Gopal-Krishna, P. J. Wiita & R. Sagar**, *MNRAS* **356**, 607, 2005.
828. WINTERTIME SPATIAL CHARACTERISTICS OF BOUNDARY LAYER AEROSOLS OVER PENINSULAR INDIA, **K. K. Moorthy et al., (including A. Saha)**, *JGR* **110**, PD08207, 2005.
829. STELLAR CONTENTS OF TWO YOUNG OPEN CLUSTERS: NGC 663 AND 654, **A. K. Pandey, K. Upadhyay, K. Ogura, R. Sagar, V. Mohan, H. Mito, H. C. Bhatt & B. C. Bhatt**, *MNRAS* **358**, 1290, 2005.

830. MULTI BAND OPTICAL PHOTOMETRY AND BOLOMETRIC LIGHT CURVE OF THE TYPE IA SUPERNOVA 20045, **K. Misra, A. P. Kamble, D. Bhattacharya & R. Sagar**, *MNRAS* **360**, 662, 2005.
831. OPTICAL OBSERVATIONS OF GRB AFTERGLOWS FROM INDIA, **R. Sagar & K. Misra**, *BASI* **33**, 209, 2005.
832. STUDIES OF CHEMICALLY PECULIAR, **S. Joshi**, *BASI* **33**, 317, 2005.
833. OPTICAL OBSERVATIONS AND MULTIBAND MODELLING OF THE AFTERGLOW OF GRB 041006: EVIDENCE OF A HARD ELECTRON ENERGY SPECTRUM, **K. Misra, L. Resmi, S. B. Pandey, D. Bhattacharya & R. Sagar**, *BASI* **33**, 487, 2005.
834. UNRAVELLING THE NATURE OF HD 81032 - A NEW RS CVN BINARY, **J. C. Pandey, K. P. Singh, S. A. Drake & R. Sagar**, *JAA* **26**, 359, 2005.
835. CHARACTERISTICS OF ATMOSPHERIC AEROSOLS OVER MANGALORE REGION, SOUTHWEST COAST OF INDIA, **P. Hegde**, *IASTA* **17**, 137, 2005.
836. CLIMATE SENSITIVITY AND RADIATIVE FORCING OF TROPICAL CIRRUS, K. Parameswaran & S. V. Sunilkumar, *IASTA* **17**, 498, 2005.
837. SPECTRAL CHARACTERISTICS OF AOD OVER NAINITAL : ÅNGSTROM PARAMETER AND INFERRED AEROSOL CHARACTERISTICS, **U. C. Dumka, K. K. Moorthy & R. Sagar**, *IASTA* **17**, 500, 2005.
838. DESIGN AND FABRICATION OF AXIAL AND RADIAL SUPPORTS FOR ALUMINIZING THE 796 MM DIAMETER MIRROR OF TELESCOPE, **T. Bangia**, *Proc. of 14th ISME International Conference on Mechanical Engineering in Knowledge Age, New Delhi: Elite 94*, 2005.
839. WIDE FIELD MULTI-OBJECT CLUSTER SPECTROSCOPY, **B. Kumar**, *BASI* **33**, 342, 2005.
840. GALAXY EVOLUTION IN LOW DENSITY ENVIRONMENTS, **A. Omar**, *BASI* **33**, 348, 2005.
841. ONE-METER CLASS OPTICAL TELESCOPE FOR EARLY AND FAST OBSERVATIONS OF GRB AFTERGLOWS, **R. Sagar**, *BASI* **33**, 352, 2005.
842. STATISTICAL STUDY OF H ALPHA FLARES DURING THE CURRENT SOLAR CYCLE, **B. Joshi, P. Pant & P. K. Manoharan**, *BASI* **33**, 354, 2005.
843. SPECTROPHOTOMETRIC STUDY OF THE COMET C/2001 Q4 (NEAT), **M. Singh, B. Kumar & B.B. Sanwal**, *BASI* **33**, 358, 2005.
844. EXTREME LEVEL SOLAR ACTIVITY DURING DECAY PHASE OF SOLAR CYCLE 23 IN OCTOBER-NOVEMBER 2003, **W. Uddin, R. Chandra, B. Joshi & S. S. Ali**, *BASI* **33**, 366, 2005.
845. ON OBSERVATIONAL DETECTION LIMITS IN ASTEROSEISMOLOGY : A COMPARISON BETWEEN MANORA PEAK AND DEVASTHAL, **D. Mary**, *BASI* **33**, 367, 2005.
846. DISCOVERY OF PULSATIONS IN AM STAR HD25515, **U. S. Chaubey & N. S. Kumar**, *BASI* **33**, 371, 2005.

847. HD 81032 : A NEWLY DISCOVERED RS CVN BINARY CONTENTS CONTINUED, **J. C. Pandey, K. P. Singh, R. Sagar & S. A. Drake**, *BASI* **33**, 373, 2005.
848. SEARCH FOR VARIABLE STARS IN INTERMEDIATE AND OLD AGE OPEN CLUSTERS, **A. K. Durgapal, A. K. Pandey & J. C. Pandey**, *BASI* **33**, 376, 2005.
849. CCD PHOTOMETRIC STUDY OF THE OPEN CLUSTER NGC 6611, **Y. C. Joshi, A. K. Pandey & K. Ogura**, *BASI* **33**, 377, 2005.
850. MASS FUNCTION STUDY OF SIX OPEN CLUSTERS BE 10, BE 67, TO 5 , BE 15, BE 71 AND KING 1, **S. Lata and R. Sagar**, *BASI* **33**, 377, 2005.
851. WIDE FIELD CCD PHOTOMETRY OF OPEN CLUSTERS, **Saurabh, A. K. Pandey, K. Ogura, H. Mito, K. Tarusava, T. Aoki & R. Sagar**, *BASI* **33**, 377, 2005.
852. NGC146: A YOUNG OPEN CLUSTER WITH DIERENT AGES FOR THE LOW AND HIGH MASS STARS, **A. Subramaniam, D. K. Sahu, R. Sagar & P. Vijitha**, *BASI* **33**, 378, 2005.
853. WIDE FIELD CCD PHOTOMETRY AROUND OPEN CLUSTER NGC 1912, **A. K. Pandey, K. Upadhyay, K. Ogura, H. Mito and R. Sagar**, *BASI* **33**, 379, 2005.
854. MULTI BAND OPTICAL PHOTOMETRY AND BOLOMETRIC LIGHT CURVE OF TYPE IA SUPERNOVA SN 2004S, **K. Misra, A. P. Kamble, D. Bhattacharya & R. Sagar**, *BASI* **33**, 381, 2005.
855. THE ERIDANUS GROUP OF GALAXIES : KEY RESULTS, **A. Omar & K. S. Dwarakanath**, *BASI* **33**, 397, 2005.
856. MULTIBAND OPTICAL MONITORING OF THE BLAZARS S5 0716+714 AND BL LACERTAE, **C. S. Stalin, Gopal-Krishna, Ram Sagar, Paul J. Wiita, V. Mohan & A. K. Pandey**, *BASI* **33**, 401, 2005.
857. RECENT OBSERVATIONS OF GRB AFTERGLOWS FROM ARIES, NAINITAL, **K. Misra, S. B. Pandey, R. Sagar & D. Bhattacharya**, *BASI* **33**, 407, 2005
858. REDESIGNING ARIES BAKER-NUNN CAMERA FOR WIDE FIELD CCD IMAGING, **K. G. Gupta, R. K. S. Yadav, T. Bangia, T. S. Kumar & N. Sharma**, *BASI* **33**, 414, 2005.
859. OPTICAL AFTERGLOW OBSERVATIONS OF GRB 021004 AND GRB 030226, **S. B. Pandey, R. Sagar & D. Bhattacharya**, *AIP Conference Proceedings* **801**, 137, 2005.
860. GRB 050401: OPTICAL OBSERVATIONS, **K. Misra, A. P. Kamble & S. B. Pandey**, *GCN Circ. No. 3175*, 2005.
861. GRB 050408: OPTICAL OBSERVATIONS, **K. Misra, S.B. Pandey & A. P. Kamble**, *GCN Circ. No. 3202*, 2005.
862. GRB 050410: R BAND OPTICAL OBSERVATIONS, **K. Misra, A. de U. Postigo, M. Jelinek, A. P. Kamble, S. B. Pandey & A. J. Castro-Tirado**, *GCN Circ. No. 3226*, 2005.
863. GRB 050502B, V BAND OBSERVATIONS, **K. Misra & S. B. Pandey**, *GCN Circ. No. 3350*, 2005.

864. GRB 050504: R BAND OBSERVATIONS, **K. Misra & S. B. Pandey**, *GCN Circ. No. 3352*, 2005.
865. GRB 050509B: OPTICAL OBSERVATIONS, **K. Misra & S. B. Pandey**, *GCN Circ. No. 3396*, 2005.
866. GRB 051021: OPTICAL OBSERVATIONS, **K. Misra & S. B. Pandey**, *GCN Circ. No. 4166*, 2005.
867. GRB 051109A: OPTICAL OBSERVATIONS, **K. Misra, A. P. Kamble, D. K. Sahu, S. Srividya, P. Bama, G. C. Anupama & S. Vanniarajan**, *GCN Circ. No. 4259*, 2005.
868. GRB 051109B: NAINITAL UPPER LIMITS, **A. P. Kamble & K. Misra**, *GCN Circ. No. 4277*, 2005.
869. BACKSCATTER LIDAR OBSERVATION OF THE AEROSOL STRATIFICATION IN THE LOWER TROPOSPHERE DURING WINTER BISE: A CASE STUDY, **V. Mitev et al. (including M. K. Srivastava)**, *Meteorologische Zeitschrift* **14**, 663, 2005.
870. CHARACTERISTICS OF WAVE INDUCED OSCILLATIONS IN MESOSPHERIC O₂ EMISSION INTENSITY AND TEMPERATURES, **A. Taori & M. Taylor**, *GRL* **33**, L01813, doi: 10.1029/2005GL024442, 2006.
871. VLT-UVES ANALYSIS OF TWO GIANTS IN THE BULGE METAL-POOR GLOBULAR CLUSTER HP-1^{*,**} : ANALYSIS OF TWO GIANTS IN HP-1, **R. K. S. Yadav et al.**, *AA* **449**, 349, 2006.
872. A THEORETICAL HIGH-RATE ANALYSIS OF CAUSAL VERSUS UNITARY ONLINE TRANSFORM CODING, **D. L. Mary & D. T. M. Slock**, *IEEE transactions on signal processing* **54 No. 4**, 1472, 2006.
873. DIRECT SOLAR ULTRAVIOLET IRRADIANCE OVER NAINITAL, INDIA, IN THE CENTRAL HIMALAYAS FOR CLEAR-SKY DAY CONDITIONS DURING DECEMBER 2004, **M. K. Srivastava, S. Singh, A. Saha, U. C. Dumka, P. Hegde, R. Singh & P. Pant**, *JGR* **111**, D08201, 2006.
874. GRB 060124: R BAND OBSRVATIONS, **K. Misra**, *GCN Circ. No. 4589*, 2006.
875. GRB 060210: OPTICAL OBSERVATIONS, **K. Misra**, *GCN Circ. No. 4742*, 2006.
876. GRB 060323: OPTICAL OBSERVATIONS, **K. Misra**, *GCN Circ. No. 4914*, 2006.
877. ARYABHATTA RESEARCH INSTITUTE OF OBSERVATIONAL SCIENCES : REINCARNATION OF A 50 YEAR OLD STATE OBSERVATORY OF NAINITAL, **R. Sagar**, *BASI* **34**, 37, 2006.
878. THE TULLY-FISHER RELATIONS OF THE ERIDANUS GROUP OF GALAXIES, **A. Omar & K. S. Dwarakanath**, *JAA* **27**, 7, 2006.
879. MULTIBAND OPTICAL MONITORING OF THE BLAZARS S5 0716+714 AND BL LACERTAE, **C. S. Stalin, Gopal-Krishna, R. Sagar, P. J. Wiita, V. Mohan & A. K. Pandey**, *MNRAS* **366**, 1337, 2006.

880. PERIODICITIES IN SUNSPOT ACTIVITY DURING SOLAR CYCLE 23 (RESEARCH NOTE) , **B. Joshi, P. Pant & P. K. Manoharan**, *AA* **452**, 647, 2006.
881. A STATISTICAL ANALYSIS OF THE DETECTION LIMITS OF FAST PHOTOMETRY, **D. L. Mary**, *AA* **452**, 715, 2006.
882. ORIGIN OF DISC IOPSIDEDNESS IN THE ERIDANUS GROUP OF GALAXIES, **R. A. Angiras, C. J. Jog, A. Omar & K. S. Dwarakanath**, *MNRAS* **369**, 1849, 2006.
883. GROUND - BASED CCD ASTROMETRY WITH WIDE FIELD IMAGERS I. OBSERVATIONS JUST A FEW YEARS APART ALLOW DECONTAMINATION OF FIELD OBJECTS FROM MEMBERS IN TWO GLOBULAR CLUSTERS, **J. Anderson, L. R. Bedin, G. Piotto, R. S. Yadav & A. Bellini**, *AA* **454**, 1029, 2006.
884. THE NAINITAL - CAPE SURVEY II. REPORT FOR PULSATION IN FIVE CHEMICALLY PECULIAR A-TYPE STARS AND PRESENTATION OF 140 NULL RESULTS, **S. Joshi et al. (including D. L. Mary & R. Sagar)**, *AA* **455**, 303, 2006.
885. PHYSICS OF THE GRB 030328 AFTERGLOW AND ITS ENVIRONMENT, **E. Maiorano et al. (including S. B. Pandey)**, *AA* **455**, 423, 2006.
886. AEROSOL CHARACTERISTICS AT A HIGH-ALTITUDE LOCATION IN CENTRAL HIMALAYAS: OPTICAL PROPERTIES AND RADIATIVE FORCING, **P. Pant, P. Hegde, U. C. Dumka, R. Sagar, S. K. Satheesh, K. K. Moorthy, A. Saha & M. K. Srivastava**, *JGR* **111**, D17206, 2006.
887. WIDE-FIELD CCD PHOTOMETRY AROUND NINE OPEN CLUSTERS, **S. Sharma, A. K. Pandey, K. Ogura, H. Mito, K. Tarusawa & R. Sagar**, *AJ* **132**, 1669, 2006.
888. SPECTROPHOTOMETRIC STUDY OF THE COMET C/2001 Q4(NEAT), **M. Singh, B. B. Sanwal & B. Kumar**, *BASI* **34**, 273, 2006.
889. SURFACE CHANGES IN SOLAR IRRADIANCE DUE TO AEROSOLS OVER CENTRAL HIMALAYAS, **U. C. Dumka, S. K. Satheesh, P. Pant, P. Hegde & K. K. Moorthy**, *GRL* **33**, L20809, 2006.
890. AEROSOL CHARACTERISTICS AT A HIGH-ALTITUDE LOCATION DURING ISRO-GBP LAND CAMPAIGN-II, **P. Pant, P. Hegde, U. C. Dumka, A. Saha, M. K. Srivastava & R. Sagar** *CS* **91**, 1053, 2006.
891. NORTH-SOUTH DISTRIBUTION OF SOLAR FLARES DURING CYCLE 23, **B. Joshi, P. Pant & P. K. Manoharan** *JAA* **27**, 151, 2006.
892. EXTREMELY ENERGETIC 4B/X17.2 FLARE AND ASSOCIATED PHENOMENA RESEARCH FACILITIES FOR SOLAR ASTRONOMY AT ARIES, **W. Uddin, R. Chandra & S. S. Ali** *JAA* **27**, 267, 2006.
893. RESEARCH FACILITIES FOR SOLAR ASTRONOMY AT ARIES, **P. Pant** *JAA* **27**, 293, 2006.
894. STUDY OF A LARGE HELICAL ERUPTIVE PROMINENCE ASSOCIATED WITH DOUBLE CME ON 21 APRIL 2001, **S. S. Ali, W. Uddin & R. Chandra** *JAA* **27**, 347, 2006.

895. THE POPULATION IN THE BACKGROUND OF OPEN CLUSTERS: TRACER OF THE NORMA-CYGNUS ARM, **A. K. Pandey, S. Sharma & K. Ogura** *MNRAS* **373**, 255, 2006.
896. MULTI-WAVELENGTH AFTERGLOW OBSERVATIONS OF THE HIGH REDSHIFT GRB 050730, **S. B. Pandey (et al.) (including S. Sharma et al.)** *AA* **460**, 415, 2006.
897. ENERGETICS AND DYNAMICS OF AN IMPULSIVE FLARE ON MARCH 10, 2001, **R. Chandra, R. Jain, W. Uddin, K. Yoshimura, T. Kosugi, T. Sakao, A. Joshi & M. R. Deshpande** *SP* **239**, 239, 2006.
898. MULTI-WAVELENGTH ANALYSIS OF AN X2.7 FLARE ON 3 NOVEMBER 2003 FROM ACTIVE REGION NOAA 10488, **B. Joshi, P. K. Manoharan, A. M. Veronig, P. Pant & K. Pandey** *Sun and Geosphere*, **1**, 42, 2006.
899. ANALYSIS OF 3B/X2 CLASS FLARE ON NOVEMBER 24, 2000 AND ASSOCIATED PHENOMENA, **R. Chandra & W. Uddin** *Sun and Geosphere*, **1**, 42, 2006.
900. THE LATEST TWO GRB DETECTED BY HETE-2: GRB 051022 AND GRB 051028, **A. J. Castro-Tirado et al.(including K. Mishra and D. K. Sahu)** *AIP Conference Proceedings*, **836**, 79, 2006.
901. OPTICAL AFTERGLOW OBSERVATIONS OF GRB 061126, **K. Mishra** *GCN Circular No. 5903*, 2006.
902. THE NAINITAL-CAPE SURVEY : CONTRIBUTIONS TO THE ASTEROSEISMOLOGY OF CP STARS, **S. Joshi, V. Girish, P. Martinez, D. W. Kurtz, R. Sagar, S. Seetha, D. L. Mary & B. N. Ashoka** *Comm. in Asteroseismology* **148**, 1, 2006.
903. COMPANION EVENT AND PRECURSOR OF THE X17 FLARE ON 28 OCTOBER 2003, **C. H. Mandrini, P. Demoulin, B. Schmieder, E. E. Deluca, E. Pariat & W. uddin** *SP* **238**, 293, 2006.
904. OPTICAL OBSERVATIONS OF GRB 060124 AFTERGLOW: A CASE FOR AN INJECTION BREAK, **K. Mishra, D. Bhattacharya, D. K. Sahu, R. Sagar, G. C. Anupama, A. J. Castro-Tirado, S. S. Guziy & B. C. Bhatt** *AA* **464**, 903, 2007.
905. ON THE USE OF SIMULTANEOUS MEASUREMENTS OF OH AND O₂ EMISSIONS TO INVESTIGATE WAVE GROWTH AND DISSIPATION, **A. Taori, A. Guharay & M. J. Taylor** *Ann. Geophys.* **25**, 639, 2007.
906. ENVIRONMENTAL MONITORING NETWORK FOR INDIA, **P. V. Sundareshwar (including M. Naja et al.)** *Science* **316**, 204, 2007.
907. THE MOLECULAR ENVELOPE AROUND THE RED SUPERGIANT VY CMA, **S. Muller, D. V. Trung, J. Lim, N. Hirano, C. Muthu, S. Kwok** *Ap.J.* **656**, 1109, 2007.
908. QUASI-PERIODIC OSCILLATIONS IN XTE J0111.2-7317: HIGHEST FREQUENCY AMONG THE HMXB PULSARS, **R. Kaur, B. Paul, H. Raichur & R. Sagar** *Ap.J.* **660**, 1409, 2007.
909. NEAR-INFRARED JH PHOTOMETRY OF YOUNG OPEN CLUSTER BE 59, **S. Sharma, K. Ogura, A. K. Pandey, D. K. Ojha & B. C. Bhatt** *BASI* **35**, 53, 2007.

910. AGE SEQUENCE IN SMALL CLUSTERS ASSOCIATED WITH BRIGHT-RIMMED CLOUDS, **K. Ogura, N. Chauhan, A. K. Pandey, B. C. Bhatt, D. Ojha & Y. Itoh** *PASJ* **59**, 199, 2007.
911. MULTIWAVELENGTH STUDIES OF FIVE CHROMOSPHERICALLY ACTIVE STARS, **J. C. Pandey, K. P. Singh, R. Sagar & S. A. Drake** *ASP Conf. Ser.* **362**, 74, 2007.
912. NORTH-SOUTH ASYMMETRY OF SOLAR ACTIVITY DURING CYCLE 23, **B. Joshi, P. Pant, P. K. Manoharan & K. Pandey** *ASP Conf. Ser.* **368**, 539, 2007.
913. RESULTS FROM A SPECTROSCOPIC SURVEY IN THE CoRoT FIELDS I. SEARCH FOR CHROMOSPHERICALLY ACTIVE STARS, **B. J. Medhi, S. Messina, P. S. Parihar, I. Pagano, S. Muneer & K. Duorah** *AA* **469**, 713, 2007.
914. BROAD-BAND OPTICAL POLARIMETRIC STUDY OF IC 1805, **B. J. Medhi, G. Maheswar, K. Brijesh, J. C. Pandey, T. S. Kumar & R. Sagar** *MNRAS* **378**, 881, 2007.
915. CHAMPAGNE FLOW AND TRIGGERED STAR FORMATION IN NGC 1893, **G. Maheswar, S. Sharma, J. M. Biman, A. K. Pandey & H. C. Bhatt** *MNRAS* **379**, 1237, 2007.
916. OBSERVATIONS OF THE OPTICAL AFTERGLOW OF GRB 050319: THE WIND-TO-ISM TRANSITION IN VIEW, **A. Kamble, L. Resmi & K. Misra** *Ap.J.* **664**, L5, 2007.
917. MULTI-WAVELENGTH SIGNATURES OF MAGNETIC RECONNECTION OF A FLARE-ASSOCIATED CORONAL MASS EJECTION, **B. Joshi, P. K. Manoharan, A. M. Veronig, P. Pant & K. Pandey** *SP* **242**, 143, 2007.
918. HELICAL ERUPTIVE PROMINENCE ASSOCIATED WITH A PAIR OF OVERLAPPING CMES ON 21 APRIL 2001, **S. S. Ali, W. Uddin, R. Chandra, D. L. Mary & B. Vrsnak** *SP* **240**, 89, 2007.
919. FURTHER EVIDENCE FOR INTRA-NIGHT OPTICAL VARIABILITY OF RADIO-QUIET QUASARS, **A. Goyal, Gopal-Krishna, R. Sagar, G. C. Anupama & D. K. Sahu** *BASI* **35**, 141, 2007.
920. INTERSTELLAR DUST STUDIES WITH TAUVEEX, **G. Maheswar, C. Muthu, N. V. Sujatha, G. Pandey, H. C. Bhatt, N. K. Rao & J. Murthy** *BASI* **35**, 233, 2007.
921. THE NAINITAL-CAPE SURVEY: CONTRIBUTIONS TO ASTEROSEISMOLOGY OF CP STARS, **S. Joshi, V. Girish, P. Martinez, D. W. Kurtz, R. Sagar, S. Seetha, D. L. Mary & B. N. Ashoka** *Comm. in Asteroseismology* **150**, 79, 2007.
922. DISCOVERY OF 6-MINUTE OSCILLATIONS IN HD 151878, **S. K. Tiwari, U. S. Chaubey & C. P. Pandey** *IBVS No.* **5787**, 2007.
923. STELLAR CONTENTS OF TWO INTERMEDIATE AGE CLUSTERS: NGC 1912 AND NGC 1907, **A. K. Pandey, S. Sharma, K. Upadhyay, K. Ogura, T. S. Sandhu, H. Mito & R. Sagar** *PASJ* **59**, 547, 2007.
924. STAR FORMATION IN YOUNG STAR CLUSTER NGC 1893, **S. Sharma, A. K. Pandey, D. K. Ojha, W. P. Chen, S. K. Ghosh, B. C. Bhatt, G. Maheswar & R. Sagar** *MNRAS* **380**, 1141, 2007.

925. TYPE IIP SUPERNOVA SN 2004ET: A MULTIWAVELENGTH STUDY IN X-RAY, OPTICAL AND RADIO, **K. Misra, D. Pooley, P. Chandra, D. Bhattacharya, A. K. Ray, R. Sagar & W. H. G. Lewin** *MNRAS* **381**, 280, 2007.
926. OBSERVATIONS OF TOTAL SOLAR ECLIPSE OF 29 MARCH 2006 AND RELATED ATMOSPHERIC MEASUREMENTS, **W. Uddin, B. Joshi, T. S. Kumar, S. Sharma & R. Sagar** *CS* **93**, 957, 2007.
927. THE DARK NATURE OF GRB 051022 AND ITS HOST GALAXY*, **A. J. Castro-Tirado et al. (including S. B. Pandey, K. Misra & R. Sagar)** *AA* **475**, 101, 2007.
928. PURE SCIENCE IN REAL WORLD, **R. Sagar** *New Theme on Russian- Indian Affairs, Vol. VII, No. 5, Sept. - Oct., P. 14*, 2007.
929. A MODERN 3.6 METER NEW TECHNOLOGY OPTICAL TELESCOPE AS A MAJOR NATIONAL INITIATIVE IN ASTROPHYSICS, **R. Sagar** *NATL ACAD SCI LETT* **30**, 209, 2007.
930. A MULTIWAVELENGTH STUDY OF GALACTIC H II REGION SH 2-294, **M. R. Samal, A. K. Pandey, D. K. Ojha, S. K. Ghosh, V. K. Kulkarni & B. C. Bhatt** *Ap.J.* **671**, 555, 2007.
931. SOUTH ASIAN DUST EPISODE IN JUNE 2006: AEROSOL OBSERVATIONS IN THE CENTRAL HIMALAYAS, **P. Hegde, P. Pant, M. Naja, U. C. Dumka & R. Sagar** *GRL* **34**, L23802, doi: 10.1029, 2007.
932. A GIANT RADIO JET EJECTED BY AN ULTRAMASSIVE BLACK HOLE IN A SINGLE-LOBED RADIO GALAXY, **J. Bagchi, G. Krishna, M. Krause & S. Joshi** *Ap.J.* **670**, L85, 2007.
933. PROMINENT ACTIVITY OF THE BLAZAR OJ 287 IN 2005 XMM-NEWTON AND MULTIWAVELENGTH OBSERVATIONS, **C. M Raiteri et al. (including A. Goel & R. Sagar)** *Mem. Soc. Astron. It.* **78**, 741, 2007.
934. STELLAR CONTENTS AND STAR FORMATION IN THE YOUNG STAR CLUSTER BE 59, **A. K. Pandey, S. Sharma, K. Ogura, D. K. Ojha, W. P. Chen, B. C. Bhatt & S. K. Ghosh** *MNRAS* **383**, 1241, 2008.
935. STELLAR CONTENTS AND STAR FORMATION IN THE YOUNG OPEN CLUSTER STOCK 8, **J. Jose, A. K. Pandey, D. K. Ojha, K. Ogura, W. P. Chen, B. C. Bhatt, S. K. Ghosh, H. Mito, G. Maheswar & S. Sharma** *MNRAS* **384**, 1675, 2008.
936. MASS FUNCTIONS AND PHOTOMETRIC BINARIES IN NINE OPEN CLUSTERS, **S. Sharma, A. K. Pandey, K. Ogura, T. Aoki, K. Pandey, T. S. Sandhu & R. Sagar** *AJ* **135**, 1934, 2008.
937. A STUDY OF THE LONG-TERM EVOLUTION OF QUASI-PERIODIC OSCILLATIONS IN THE ACCRETION-POWERED X-RAY PULSAR 4U 1626-67, **R. Kaur, B. Paul, B. Kumar & R. Sagar** *AJ* **676**, 1184, 2008.
938. CCD PHOTOMETRIC AND MASS FUNCTION STUDY OF NINE YOUNG LARGE MAGELLANIC CLOUD STAR CLUSTERS, **B. Kumar, R. Sagar & J. Melnick** *MNRAS* **386**, 1380, 2008.
939. THE NATURE OF THE INTRANIGHT VARIABILITY OF RADIO-QUIET QUASARS, **B. Czerny, A. Siemiginowaska, A. Janiuk & A. C. Gupta** *MNRAS* **386**, 1557, 2008.

940. LONG PERIOD SLOW MHD WAVES IN THE SOLAR WIND SOURCE REGION, **B. N. Dwivedi, A. K. Srivastava** *NA* **13**, 581, 2008.
941. REPLY TO COMMENT BY S. RAMACHANDRAN ON "SURFACE CHANGES IN SOLAR IRRADIANCE DUE TO AEROSOLS OVER CENTRAL HIMALAYAS", **U. C. Dumka, S. K. Satheesh, P. Pant, P. Hegde & K. K. Moorthy** *GRL* **35**, L04813, 2008.
942. MULTIWAVELENGTH STUDY OF THE TRANSIENT X-RAY BINARY IGR J01583+6713, **R. Kaur, B. Paul, B. Kumar & R. Sagar** *MNRAS* **386**, 2253, 2008.
943. GROUND-BASED CCD ASTROMETRY WITH WIDE-FIELD IMAGERS II. A STAR CATALOG FOR M67:WFI@2.2 M MPG/ESO ASTROMETRY FLAMES@VLT RADIAL VELOCITIES, **R. K. S. Yadav, L. R. Bedin, G. Piotto, J. Anderson, S. Cassisi, S. Villanova, I. Platais, L. Posquini, Y. Momany & R. Sagar**, *AA* **484**, 609, 2008.
944. SHORT-PERIOD MODULATIONS IN AEROSOL OPTICAL DEPTHS OVER THE CENTRAL HIMALAYAS: ROLE OF MESOSCALE PROCESSES, **U. C. Dumka, K. K. Moorthy, S. K. Satheesh, R. Sagar & P. Pant**, *JAMC* **47**, 1467, 2008.
945. CO-SPATIAL EVOLUTION OF PHOTOSPHERIC DOPPLER ENHANCEMENT AND H α FLARE RIBBONS OBSERVED DURING THE SOLAR FLARE OF 2003 OCTOBER 28, **P. Venkatakrishnan, B. Kumar & W. Uddin**, *MNRAS* **387**, L69, 2008.
946. CORE MASS FUNCTION: THE ROLE OF GRAVITY, **S. Dib, A. Brandenburg, J. Kim, Maheswar, G. & P. Andre**, *Ap.J.* **678**, L105, 2008.
947. A STUDY OF X-RAY FLARES - I ACTIVE LATE-TYPE DWARFS, **J. C. Pandey & K. P. Singh**, *MNRAS* **387**, 1627, 2008.
948. OPTICAL POLARIMETRIC STUDY OF OPEN CLUSTERS: DISTRIBUTION OF INTER STELLAR MATTER TOWARDS NGC 654, **B. J. Medhi, Maheswar G., J. C. Pandey, T. S. Kumar & R. Sagar**, *MNRAS* **388**, 105, 2008.
949. CLOUDS SEARCH FOR VARIABILITY IN BROWN DWARF ATMOSPHERES INFRARED SPECTROSCOPIC TIME SERIES OF L/T TRANSITION BROWN DWARFS, **B. Goldman et al. (including S. Joshi & R. Sagar)**, *AA* **487**, 277, 2008.
950. ENHANCED LUMINOSITY OF YOUNG STELLAR OBJECTS IN COMETARY GLOBULES, **G. Maheswar & H. C. Bhatt**, *ASS* **315**, 215, 2008.
951. OBSERVATION OF MULTIPLE SAUSAGE OSCILLATIONS IN COOL POST-FLARE LOOP, **A. K. Srivastava, T. V. Zaqarashvili, W. Uddin, B. N. Dwivedi & P. Kumar**, *MNRAS* **388**, 1899, 2008.
952. SIMULTANEOUS MULTI-WAVELENGTH OBSERVATIONS OF THE TeV BLAZAR MRK 421 DURING FEBRUARY - MARCH, 2003:X-RAY AND NIR CORRELATED VARIABILITY, **A. C. Gupta, B. S. Acharya, D. Bose, V. R. Chitnis & J.-H. Fan**, *CJAA* **8**, 395, 2008.
953. CHARACTERISTICS OF SPECTRAL AEROSOL OPTICAL DEPTHS OVER INDIA DURING ICARB, **S. N. Beegum et al. (including P. Pant & U. C. Dumka)**, *JESS* **117**, 303, 2008.

954. PHYSICAL AND OPTICAL CHARACTERISTICS OF ATMOSPHERIC AEROSOLS DURING ICARB AT MANORA PEAK, NAINITAL: A SPARSELY INHABITED, HIGH-ALTITUDE LOCATION IN THE HIMALAYAS, **U. C. Dumka, K. K. Moorthy, P. Pant, P. Hegde, R. Sagar & K. Pandey**, *JESS* **117**, 399, 2008.
955. AEROSOL CHARACTERISTICS AT PATIALA DURING ICARB-2006, **M. Singh, D. Singh & P. Pant**, *JESS* **117**, 407, 2008.
956. PHOTOMETRIC STUDIES OF GALACTIC OPEN STAR CLUSTERS, **S. Lata**, *BASI* **25 S**, 5, 2008.
957. TRIGGERED STAR FORMATION AT THE PERIPHERY OF HII REGIONS, **M. Gopinathan**, *BASI* **25 S**, 29, 2008.
958. GRB 050319 AFTERGLOW: WIND TO ISM TRANSITION IN VIEW?, **A. Kamble, L. Resmi, K. Misra, D. Bhattacharya & R. Sagar**, *BASI* **25 S**, 36, 2008.
959. ON THE PERIODIC BEHAVIOUR OF SUNSPOT ACTIVITY DURING SOLAR CYCLE 23, **B. Joshi, P. Pant & P. K. Manoharan**, *BASI* **25 S**, 40, 2008.
960. SPECTROPHOTOMETRIC STUDIES OF COMETS AT ARIES (1970-2006), **M. Singh**, *BASI* **25 S**, 42, 2008.
961. LITHIUM ABUNDANCE IN THE OLD OPEN CLUSTER BERKLEY 32, **G. Pace, S. Randich & L. Pastori**, *BASI* **25 S**, 44, 2008.
962. STAR FORMATION IN YOUNG OPEN CLUSTER NGC 1893, **S. Sharma, A. K. Pandey, D. K. Ojha, S. K. Ghosh, G. Mahesh, B. C. Bhatt & R. Sagar**, *BASI* **25 S**, 46, 2008.
963. MULTIWAVELENGTHS STUDIES OF CIRCUMSTELLAR AND INTERSTELLAR DUST, **C. Muthu**, *BASI* **25 S**, 50, 2008.
964. QUASI PERIODIC OSCILLATIONS IN XTE J0111.2-7317, HIGHEST FREQUENCY AMONG THE HMXB PULSARS, **R. Kaur, B. Paul, H. Raichur & R. Sagar**, *BASI* **25 S**, 51, 2008.
965. UBVRI CCD PHOTOMETRY OF OPEN CLUSTERS BE 77 AND NGC 2304, **S. Lata**, *BASI* **25 S**, 51, 2008.
966. CCD PHOTOMETRY OF PULSATING AM STARS HD 13038 AND HD 13079, **S. K. Tiwari, C. Pant, R. K. S. Yadav & U. S. Chaubey**, *BASI* **25 S**, 58, 2008.
967. SEARCH FOR PULSATIONS IN SYSTEMIC COMPONENTS OF ECLIPSING BINARIES OBSERVED AT ARIES, **U. S. Chaubey, S. K. Tiwari & C. Pant**, *BASI* **25 S**, 58, 2008.
968. DELTA-SCUTI PULSATIONS IN CHEMICALLY PECULIAR STARS HD25515 AND HD113878, **U. S. Chaubey**, *BASI* **25 S**, 58, 2008.
969. PHOTOMETRIC AND SPECTROPHOTOMETRIC STUDIES ON WOLF-RAYET GALAXIES, **K. Chrisphin, B. B. Sanwal, D. K. Sahu & M. Singh**, *BASI* **25 S**, 66, 2008.
970. OPTICAL OBSERVATIONS OF GRB 060124 AFTERGLOW: A CASE FOR AN INJECTION BREAK, **K. Misra et al.**, *BASI* **25 S**, 69, 2008.

971. OPTICAL AND RADIO STUDIES OF A TYPE IIP SUPERNOVA SN 2004ET, **K. Misra, P. Chandra, D. Bhattacharya & R. Sagar**, *BASI 25 S*, 69, 2008.
972. IMAGING OF GIANT RADIO GALAXIES, **M. Singh**, *BASI 25 S*, 71, 2008.
973. COMPARATIVE INTRA-NIGHT OPTICAL VARIABILITY OF HIGH AND LOW POLARIZATION QUASARS WITH DOMINANT RADIO CORES, **A. Goyal, G-Krishna, R. Sagar, G. C. Anupama & D. K. Sahu**, *BASI 25 S*, 73, 2008.
974. SPATIAL LOPSIDEDNESS OF ATOMIC HYDROGEN GAS IN ERIDANUS GROUP, **R. A. Angiras (including A. Omar)**, *BASI 25 S*, 74, 2008.
975. TOLERANCE ANALYSIS DURING THE OPTICAL DESIGN OF OF 4 M CLASS OPTICAL TELESCOPE, **S. K. Singh, C. M. Marriappan, B. Kumar & K. G. Gupta**, *BASI 25 S*, 78, 2008.
976. SCIENCE GOALS WITH ARIES 50 CM SCHMIDT TELESCOPE, **S. Lata, K. G. Gupta & S. K. Singh**, *BASI 25 S*, 79, 2008.
977. DEVELOPMENT OF 50 CM B-N SCHMIDT TELESCOPE AT ARIES, **K. G. Gupta, T. Bangia, T. S. Kumar, S. Lata, N. Sharma & V. Shukla**, *BASI 25 S*, 80, 2008.
978. PRELIMINARY OPTICAL DESIGN OF THE 4M CLASS OPTICAL TELESCOPE TO BE SET UP AT DEVASTHAL, NAINITAL AS A NATIONAL FACILITY, **B. Kumar, C. Muthumariappan, S. K. Singh & K. G. Gupta**, *BASI 25 S*, 82, 2008.
979. THE COMPLEX LIGHT CURVE OF THE AFTERGLOW OF GRB 071010A*, **S. Covino et al. (including K. Misra, S. B. Pandey & R. Roy)**, *MNRAS 388*, 347, 2008.
980. BROADBAND OBSERVATIONS OF THE NAKED-EYE γ -RAY BURST GRB 080319B, **J. L. Racusin et al. (including S. B. Pandey)**, *Nature 455*, 183, 2008.
981. FLARES FROM A CANDIDATE GALACTIC MAGNETAR SUGGEST A MISSING LINK TO DIM ISOLATED NEUTRON STARS, **A. J. Castro-Tirado et al. (including S. B. Pandey)**, *Nature 455*, 506, 2008.
982. PHOTOMETRIC AND SPECTROSCOPIC STUDY OF A HIGHLY REDDENED TYPE IA SUPERNOVA SN 2003HX IN NGC 2076, **K. Misra, D. K. Sahu, G. C. Anupama & K. Pandey**, *MNRAS 389*, 706, 2008.
983. SUMMER-TIME NOCTURNAL WAVE CHARACTERISTICS IN MESOSPHERIC OH AND O₂ AIRGLOW EMISSIONS, **A. Guharay, A. Taori & M. Taylor**, *EPS 60*, 973, 2008.
984. OPTICAL AND NEAR-INFRARED PHOTOMETRIC STUDY OF THE OPEN CLUSTER NGC 637 AND 957, **R. K. S. Yadav, B. Kumar, A. Subramaniam, R. Sagar & B. Mathew**, *MNRAS 390*, 985, 2008.
985. GIANT RADIO GALAXIES: PROBLEMS OF UNDERSTANDING AND PROBLEMS FOR CMB?, **O. V. Verkhodanov, M. L. Khabibullina, M. Singh, A. Pirya, N. V. Verkhodanov & S. Nandi**, *Practical Cosmology, ed. Y. V. Baryshev, I. N. Taganov & P. Teerikorpi, Russia 2*, pp. 247-250, 2008.

986. MULTIWAVELENGTH STUDY OF A YOUNG OPEN CLUSTER NGC 7419, **H. Joshi, B. Kumar, K. P. Singh, R. Sagar, S. Sharma & J. C. Pandey**, *MNRAS* **391**, 1279, 2008.
987. A NEW ACTIVITY PHASE OF THE BLAZAR 3C 454.3: MULTIFREQUENCY OBSERVATIONS BY THE WEBT AND XMM-NEWTON IN 2007-2008, **C. M. Raiteri et al. (including A. C. Gupta & R. Sagar)**, *AA* **491**, 755, 2008.
988. RESULTS OF WEBT, VLBA AND RXTE MONITORING OF 3C 279 DURING 2006-2007, **V. M. Larionov et al. (including A. C. Gupta)**, *AA* **492**, 389, 2008.
989. TWO TYPES OF SOFTENING DETECTED IN X-RAY AFTERGLOWS OF SWIFT BURSTS: INTERNAL AND EXTERNAL SHOCK ORIGINS?, **Y-P. Quin, A. C. Gupta, J. H. Fan & R-J. Lu**, *JCAP* **11**, 4, 2008.
990. MULTICOLOR NEAR-INFRARED INTRA-DAY AND SHORT-TERM VARIABILITY OF THE BLAZAR S5 0716+714, **A. C. Gupta, S. Cha, S. Lee, H. Jin, S. Pak, S. Cho, B. Moon, Y. Park, I. Yuk, U. Nam & J. Kyeong**, *AJ* **136**, 2359, 2008.
991. THE RAPIDLY FLARING AFTERGLOW OF THE VERY BRIGHT AND ENERGETIC GRB 070125, **A. C. Urdike et al. (including K. Misra)**, *Ap.J.* **685**, 361, 2008.
992. MULTIWAVELENGTH ANALYSIS OF THE INTERGLING GRB 061126: THE REVERSE SHOCK SCENARIO AND MAGNETIZATION, **A. Gomboc et al. (including K. Misra)**, *Ap.J.* **687**, 443, 2008.
993. ABUNDANCES OF FOUR OPEN CLUSTERS FROM SOLAR STARS, **G. Pace, L. Pasquini & P. Francois**, *AA* **489**, 403, 2008.
994. EFFECT OF PLASMA COMPOSITION ON ACCRETION ON BLACK HOLES, **I. Chattopadhyaya**, *AIP Conf. Proc.* **1053**, pp. 353-356, 2008.
995. $H\alpha$, EUV AND UV ANALYSIS OF AN ERUPTIVE 3B/X1.2 FLARE, **S. Pande, B. Pande, W. Uddin & K. Pandey**, *IJRSP* **37**, 386, 2008.
996. QUASI-SIMULTANEOUS TWO BAND OPTICAL MICRO-VARIABILITY OF LUMINOUS RADIO-QUIET QSOs, **A. C. Gupta & W. Yuan**, *NA* **14**, 88, 2009.
997. PERIODIC OSCILLATIONS IN THE INTRA-DAY OPTICAL LIGHT CURVES OF THE BLAZAR S5 0716+714, **A. C. Gupta, A. K. Srivastava & P. J. Wiita**, *Ap.J.* **690**, 216, 2009.
998. SPATIAL DISTRIBUTION OF AEROSOL BLACK CARBON OVER INDIA DURING PRE-MONSOON SEASON, **S. N. Beegum et al. (U. C. Dumka & P. Pant)**, *AE* **43**, 1071, 2009.
999. AN INTEGRATED ANALYSIS OF LIDAR OBSERVATIONS IN ASSOCIATION WITH OPTICAL PROPERTIES OF AEROSOLS FROM A HIGH ALTITUDE LOCATION IN CENTRAL HIMALAYAS, **P. Hegde, P. Pant & Y. B. Kumar**, *ASL* **10**, 48, 2009.
1000. AN INSIGHT INTO THE PROGENITORS OF GAMMA RAY BURSTS FROM THE OPTICAL AFTERGLOW OBSERVATIONS, **K. Misra & R. Sagar**, *CS* **96**, 347, 2009.

1001. OPTICAL OBSERVATIONS OF GRB 050401 AFTERGLOW: A CASE FOR DOUBLE-JET MODEL, **A. Kamble, K. Misra, D. Bhattacharya & R. Sagar**, *MNRAS* **394**, 214, 2009.
1002. AEROSOL OPTICAL DEPTHS AT MOHAL-KULLU IN THE NORTHWESTERN INDIAN HIMALAYAN HIGH ALTITUDE STATION DURING ICARB, **J. C. Kuniyal, A. Thakur, H. K. Thakur, S. Sharma, P. Pant, P. S. Rawat & K. K. Moorthy**, *JESS* **118**, 41, 2009.
1003. YOUNG BROWN DWARFS IN THE CORE OF THE W3 MAIN STAR-FORMING REGION, **D. K. Ojha, M. Tamura, Y. Nakajima, H. Saito, A. K. Pandey, S. K. Ghosh & K. Aoki**, *Ap.J.* **693**, 634, 2009.
1004. EFFECTS OF FLUID COMPOSITION ON SPHERICAL FLOWS AROUND BLACK HOLES, **I. Chattopadhyay & D. Ryu**, *Ap.J.* **694**, 492, 2009.
1005. PRELIMINARY DESIGN OF ARIES-DEVASTHAL FAINT OBJECT SPECTROGRAPH AND CAMERA, **S. Mondal, R. S. Yadav & M. Singh**, *Proc. of International Conference on Trends in Optics and Photonics held at Kolkata, March 01-04, 2009*, eds. A. Ghosh and D. Choudhury, pp. 374-379, 2009.
1006. DEVELOPMENT OF ARIES BAKER-NUNN CAMERA TO A WIDE-FIELD IMAGING TELESCOPE WITH CCD, **S. Mondal, K. G. Gupta, S. Lata, B. J. Medhi, T. Bangia, T. S. Kumar, S. Yadav & S. K. Singh**, *Proc. of International Conference on Trends in Optics and Photonics held at Kolkata, March 01-04, 2009*, eds. A. Ghosh and D. Choudhury, pp. 380-386, 2009.
1007. OPTICAL DESIGN AND STRAY LIGHT ANALYSIS FOR 3.6M DEVASTHAL OPTICAL TELESCOPE (DOT) AT ARIES, NAINITAL, **S. K. Singh, K. G. Gupta, B. Kumar, V. Shukla, S. B. Tyagi, B. C. Pant & B. B. Sanwal**, *Proc. of International Conference on Trends in Optics and Photonics held at Kolkata, March 01-04, 2009*, eds. A. Ghosh and D. Choudhury, pp. 399-405, 2009.
1008. THE WHOLE EARTH BLAZAR TELESCOPE CAMPAIGN ON THE INTERMEDIATE BL LAC OBJECT 3C 66A IN 2007-2008, **M. Böttcher et al. (including A. C. Gupta)**, *Ap.J.* **694**, 174, 2009.
1009. NON-THERMAL TRANSIENT SOURCES FROM ROTATING BLACK HOLES, **M. H. P. M. van Putten & A. C. Gupta**, *MNRAS* **394**, 2238, 2009.
1010. SPECTROSCOPIC SURVEY OF ASAS ECLIPSING VARIABLES: SEARCH FOR CHROMOSPHERICALLY ACTIVE ECLIPSING BINARY STARS - I, **P. Parihar, S. Messina, P. Bama, B. J. Medhi, S. Muneer, C. Velu & A. Ahmad**, *MNRAS* **395**, 593, 2009.
1011. NEARLY PERIODIC FLUCTUATIONS IN THE LONG-TERM X-RAY LIGHT CURVES OF THE BLAZARS AO 0235+164 AND IES 2321+419, **B. Rani, P. J. Wiita & A. C. Gupta**, *Ap.J.* **696**, 2170, 2009.
1012. OBSERVATIONS OF X-RAY OSCILLATIONS IN ξ BOO: EVIDENCE OF A FAST-KINK MODE IN THE STELLAR LOOPS, **J. C. Pandey & A. K. Srivastava**, *Ap.J.* **697**, L153, 2009.
1013. CHANDRA AND XMM-NEWTON OBSERVATIONS OF THE LOW-LUMINOSITY X-RAY PULSATORS SAX J1324.4-6200 AND J1452.8-5949, **R. Kaur, R. Wijnands, A. Patruno, V. Testa, G. Israel, N. Degenaar, B. Paul & B. Kumar**, *MNRAS* **394**, 1597, 2009.

1014. LO PEGASI: AN INVESTIGATION OF MULTIBAND OPTICAL POLARIZATION, **J. C. Pandey, B. J. Medhi, R. Sagar & A. K. Pandey**, *MNRAS* **396**, 1004, 2009.
1015. A CLOSE BINARY STAR RESOLVED FROM OCCULTATION BY 87 SYLVIA, **C. Lin et al. (including S. Mondal)**, *PASP* **121**, 359, 2009.
1016. SIGNATURE OF SLOW ACOUSTIC OSCILLATIONS IN A NON-FLARING LOOP OBSERVED BY EIS/HINODE, **A. K. Srivastava & B. N. Dwivedi**, *NA* **15**, 8, 2010.
1017. TIME-RESOLVED PHOTOMETRIC AND SPECTROSCOPIC ANALYSIS OF THE LUMINOUS AP STAR HD 103498, **S. Joshi, T. Ryabchikova, O. Kochukhov, M. Sachkov, S. K. Tiwari, N. K. Chakradhari & N. Piskunov**, *MNRAS* **401**, 1299, 2010.
1018. A DEEP UBVRI CCD PHOTOMETRY OF SIX OPEN STAR CLUSTERS IN THE GALACTIC ANTI-CENTER REGION, **S. Lata, A. K. Pandey, B. Kumar, H. Bhatt, G. Pace & S. Sharma**, *AJ* **139**, 378, 2010.
1019. OPTICAL VARIABILITY OF RADIO-INTERMEDIATE QUASARS, **A. Goyal, Gopal-Krishna, S. Joshi, R. Sagar, P. J. Wiita, G. C. Anupama & D. K. Sahu**, *MNRAS* **401**, 2622, 2010.
1020. EVOLUTION OF SOLAR MAGNETIC FIELD AND ASSOCIATED MULTIWAVELENGTH PHENOMENA: FLARE EVENTS ON 2003 NOVEMBER 20, **P. Kumar, P. K. Manoharan & W. Uddin**, *Ap.J.* **710**, 1195, 2010.
1021. PROBING SPECTRAL PROPERTIES OF RADIO-QUIET QUASARS SEARCHED FOR OPTICAL MICROVARIABILITY, **H. Chand, P. J. Wiita & A. C. Gupta**, *MNRAS* **402**, 1059, 2010.
1022. CORONAL HEATING BY ALFVÉN WAVES, **B. N. Dwivedi & A. K. Srivastava**, *CS* **98**, 295, 2010.
1023. INITIAL RESULTS FROM AWESOME VLF RECEIVERS: SET UP IN LOW LATITUDE INDIAN REGIONS UNDER IHY2007/UNBSSI PROGRAM, **R. Singh, B. Veenadhari, M. B. Cohen, P. Pant, A. K. Singh, A. K. Maurya, P. Vohat & U. S. Inan**, *CS* **98**, 398, 2010.
1024. X-RAY EMISSION CHARACTERISTICS OF TWO WOLF-RAYET BINARIES: V444 CYG AND CD CRU, **H. Bhatt, J. C. Pandey, B. Kumar, K. P. Singh & R. Sagar**, *MNRAS* **402**, 1767, 2010.
1025. NEAR-INFRARED/OPTICAL IDENTIFICATION OF FIVE LOW-LUMINOSITY X-RAY PULSATORS, **R. Kaur, R. Wijnands, B. Paul, A. Patruno & N. Degenaar**, *MNRAS* **402**, 2388, 2010.
1026. APPLICATION OF LIGHTNING DISCHARGE GENERATED RADIO ATMOSPHERICS/TWEEKS IN LOWER IONOSPHERIC PLASMA DIAGNOSTICS, **A. K. Maurya, R. Singh, B. Veenadhari, P. Pant & A. K. Singh**, *Jr. of Phy. Conf. Ser.* **208**, 012061, 2010.
1027. SHORT TERM OPTICAL VARIABILITY OF BLAZARS: FIRST RESULTS FROM JOINT INTERNATIONAL COLLABORATIONS, **E. Semkov et al. (including A. C. Gupta, B. Rani & H. Gaur)**, *BAJ* **14**, 1, 2010.
1028. INTEGRATED PARAMETERS OF STAR CLUSTERS: A COMPARISON OF THEORY AND OBSERVATIONS, **A. K. Pandey, T. S. Sandhu, R. Sagar & P. Battinelli**, *MNRAS* **403**, 1491, 2010.

1029. POLARIZATION TOWARDS THE YOUNG OPEN CLUSTER NGC 6823, **B. J. Medhi, G. Maheswar, J. C. Pandey, M. Tamura & R. Sagar**, *MNRAS* **403**, 1577, 2010.
1030. NAINITAL MICROLENSING SURVEY-DETECTION OF SHORT PERIOD CEPHEIDS IN THE DISK OF M 31, **Y. C. Joshi, D. Narasimha, A. K. Pandey & R. Sagar**, *AA* **512**, A66, 2010.
1031. TIGHT CONSTRAINTS ON THE EXISTENCE OF ADDITIONAL PLANETS AROUND HD 189733, **M. Hrudková, I. Skillen, C. R. Benn, N. P. Gibson, D. Pollacco, D. Nesvorný, T. Augusteijn, S. M. Tulloch & Y. C. Joshi**, *MNRAS* **403**, 2111, 2010.
1032. A TRANSIT TIMING ANALYSIS OF SEVEN RISE LIGHT CURVES OF THE EXOPLANET SYSTEM HAT-P-3, **N. P. Gibson et al. (including Y. C. Joshi)**, *MNRAS* **401**, 1917, 2010.
1033. A MULTIWAVELENGTH STUDY OF STAR FORMATION IN THE VICINITY OF GALACTIC HII REGION SH 2-100, **M. R. Samal, A. K. Pandey, D. K. Ojha, S. K. Ghosh, V. K. Kulkarni, N. Kusakabe, M. Tamura, B. C. Bhatt, M. A. Thompson & R. Sagar**, *Ap.J.* **714**, 1015, 2010.
1034. A METHOD TO DETERMINE DISTANCE TO MOLECULAR CLOUDS USING NEAR-IR PHOTOMETRY, **G. Maheshwar, C. W. Lee, S. C. Bhatt, S. B. Mallik & S. Dib**, *AA* **509**, A44, 2010.
1035. A MULTIFREQUENCY STUDY OF THE LARGE RADIO GALAXIES 3C46 AND 3C452, **S. Nandi, A. Priya, S. Pal, C. Konar, D. J. Saikia & M. Singh**, *MNRAS* **404**, 433, 2010.
1036. OBSERVATION OF KINK INSTABILITY DURING SMALL B5.0 SOLAR FLARE ON 2007 JUNE 4, **A. K. Srivastava, T. V. Zaqarashvili, P. Kumar & M. L. Khodachenko**, *Ap.J.* **715**, 292, 2010.
1037. NETWORK LOOP OSCILLATIONS WITH EIS/HINODE, **A. K. Srivastava, D. Kuridze, T. V. Zaqarashvili, B. N. Dwivedi & B. Rani**, *Magnetic Coupling between the Interior and Atmosphere of the Sun, ASS Proceeding*, 437, 2010.
1038. MULTI-WAVELENGTH VIEW OF FLARE EVENTS ON 20 NOVEMBER 2003, **P. Kumar, P. K. Manoharan & W. Uddin**, *Magnetic Coupling between the Interior and Atmosphere of the Sun, ASS Proceeding*, 471, 2010.
1039. MAJOR SURGE ACTIVITY OF SUPER-ACTIVE REGION NOAA 10484, **W. Uddin, P. Kumar, A. K. Srivastava & R. Chandra**, *Magnetic Coupling between the Interior and Atmosphere of the Sun, ASS Proceeding*, 478, 2010.
1040. EVIDENCE OF WAVE HARMONICS IN A BRIGHTENED MAGNETIC NETWORK OBSERVED FROM HINODE/EIS, **A. K. Srivastava**, *NA* **15**, 621, 2010.
1041. THE TAOS PROJECT: UPPER BOUNDS ON THE POPULATION OF SMALL KUIPER BELT OBJECTS AND TESTS OF MODELS OF FORMATION AND EVOLUTION OF THE OUTER SOLAR SYSTEM, **F. B. Bianco et al. (including S. Mondal)**, *AJ* **139**, 1499, 2010.
1042. THE TAIWANESE-AMERICAN OCCULTATION SURVEY PROJECT STELLAR VARIABILITY. II. DETECTION OF 15 VARIABLE STARS, **S. Mondal et al.**, *AJ* **139**, 2026, 2010.

1043. CHARACTERISTICS OF AEROSOL BLACK CARBON MASS CONCENTRATION OVER A HIGH ALTITUDE LOCATION IN THE CENTRAL HIMALAYAS FROM MULTI-YEAR MEASUREMENTS, **U. C. Dumka, K. K. Moorthy, R. Kumar, P. Hegde, R. Sagar, P. Pant, N. Singh & S. S. Babu**, *AR* **96**, 510, 2010.
1044. SHORT-TERM FLUX AND COLOUR VARIATIONS IN LOW-ENERGY PEAKED BLAZARS, **B. Rani, A. C. Gupta et al.**, *MNRAS* **404**, 1992, 2010.
1045. THE IMF OF STELLAR CLUSTERS: EFFECTS OF ACCRETION AND FEEDBACK, **S. Dib, M. Shadmehri, P. Padoan, G. Maheswar, D. K. Ojha & F. Khajenabi**, *MNRAS* **405**, 401, 2010.
1046. DETECTION OF INTR-DAY VARIABILITY TIMESCALES OF FOUR HIGH-ENERGY PEAKED BLAZARS WITH XMM-NEWTON, **H. Gaur, A. C. Gupta, P. Lachowicz & P. J. Witta**, *Ap. J.* **718**, 279, 2010.
1047. RADIO SPECTRA OF GIANT RADIO GALAXIES FROM RATAN-600 DATA, **M. Singh, A. Priya, N. V. Verkhodanova & S. Nandi**, *AR* **54**, 571, 2010.
1048. OBSERVATIONS FROM HINODE/EIS OF INTENSITY OSCILLATIONS ABOVE A BRIGHT POINT: SIGNATURE OF THE LEAKAGE OF ACOUSTIC OSCILLATIONS IN THE INNER CORONA, **A. K. Srivastava & B. N. Dwivedi**, *MNRAS* **405**, 2317, 2010.
1049. X-RAY EMISSION FROM O-TYPE STARS: DH CEP AND HD 97434, **H. Bhatt, J. C. Pandey, B. Kumar, R. Sagar & K. P. Singh**, *NA* **15**, 1375, 2010.
1050. DURATION DISTRIBUTIONS FOR DIFFERENT SOFTNESS GROUPS OF GAMMA-RAY BURSTS, **Y. Qin, A. C. Gupta, J. Fan, C. Su & R. Lu**, *SC* **53**, 1375, 2010.
1051. QUASI-PERIODIC OSCILLATIONS OF ~ 15 MINUTES IN THE OPTICAL LIGHT CURVE OF THE BL LAC S5 0716+714, **B. Rani, A. C. Gupta, U. C. Joshi, S. Ganesh & P. J. Witta**, *Ap. J.* **719**, L153, 2010.
1052. VARIATIONS IN SURFACE OZONE AT NAINITAL: A HIGH-ALTITUDE SITE IN THE CENTRAL HIMALAYAS, **R. Kumar, M. Naja, S. Venkataramani & O. Wild**, *JGR* **115**, D16302, 2010.
1053. MULTIWAVELENGTH STUDY OF THE M8.9/3B SOLAR FLARE FROM AR NOAA 10960, **P. Kumar, A. K. Srivastava, B. Filippova & W. Uddin**, *SP*, **266**, 39, 2010.
1054. DEFLECTION OF CORONAL RAYS BY REMOTE CMES: SHOCK WAVE OR MAGNETIC PRESSURE?, **B. Filippov & A. K. Srivastava**, *SP* **266**, 123, 2010.
1055. ON THE OBSERVATIONS OF MULTIPLE MHD OSCILLATIONS IN THE SOLAR LOOPS, **A. K. Srivastava**, *Adv. Geo* **21**, 315, 2010.
1056. SUPER WASP OBSERVATIONS OF THE 2007 OUTBURST OF COMET 17P/HOLMES, **H. H. Hsieh, A. Fitzsimmons, Y. Joshi, D. Christian & D. L. Pollacco**, *MNRAS* **407**, 1784, 2010.

1057. EVIDENCE OF SOLAR FLARE TIGGERING DUE TO LOOP-LOOP INTERACTION CAUSED BY FOOT-POINT SHEAR MOTION, **P. Kumar, A. K. Srivastava, B. V. Somov, P. K. Manoharan, R. Erdelyi & W. Uddin**, *Ap. J.* **723**, 1651, 2010.
1058. SEARCHING FOR NEEDLES IN HAYSTACKS-USING THE FERMIN/GBM TO FIND GRB γ -RAYS WITH THE FERMI/LAT DETECTOR, **C. W. Akerlof, W. Zheng, S. B. Pandey & T. A. Mckay**, *Ap. J.* **725**, L15, 2010.
1059. HOW CAN A NEGATIVE MAGNETIC HELICITY ACTIVE REGION GENERATE A POSITIVE HELICITY MAGNETIC CLOUD?, **R. Chandra, E. Pariat, B. Schmieder, C. H. Mandrini & W. Uddin**, *SP* **261**, 127, 2010.
1060. STATISTICAL ANALYSIS OF SOFT X-RAY SOLAR FLARES DURING SOLAR CYCLES 21, 22 AND 23, **N. C. Joshi, N. S. Bankoti, S. Pande, B. Pande, W. Uddin & K. Pandey**, *NA* **15**, 538, 2010.
1061. ESTIMATION OF D-REGION ELECTRON DENSITY USING TWEEDS MEASUREMENTS AT NAINITAL AND ALLAHABAD, **P. Pant, A. K. Maurya, R. Singh, B. Veenadhari & A. K. Singh**, *AIP Conf. Ser.* **1286**, 150, 2010.
1062. IONOSPHERIC RESPONSE TO THE SPACE WEATHER EVENT OF 18 NOVEMBER 2003: AN INVESTIGATION, **P. Kumar, W. Uddin, A. Taori, R. Chandra & S. Bisht**, *IJRSP* **39**, 290, 2010.
1063. STUDY OF UPPER ATMOSPHERIC EMISSIONS USING MESOSPHERE LOWER THERMOSPHERE PHOTOMETER (MLTP) DESIGNED AT ARIES, **T. Bangia, S. Bhattacharjee, A. Guharay, A. Taori & W. Uddin**, *IJRSP* **39**, 325, 2010.
1064. ASTRONOMICAL POLARIMETRY: NEW OPPORTUNITIES, **B. J. Medhi**, *SIBCOLTEJO* **5**, 125, 2010.
1065. STAR FORMATION AND IMF OF YOUNG CLUSTERS ASSOCIATED WITH HII REGIONS, **A. K. Pandey**, *ASI Conf. Ser.* **1**, 37, 2010.
1066. MULTI-WAVELENGTH STUDIES OF GALACTIC HII REGIONS, **M. R. Samal, A. K. Pandey, D. K. Ojha, I. Zinchenko, B. C. Bhatt, S. K. Ghosh & B. Pandey**, *ASI Conf. Ser.* **1**, 43, 2010.
1067. TRACING MAGNETIC FIELD ORIENTATION IN STARLESS CORES, **G. Maheswar, A. N. Ramaprakash, C. W. Lee & S. Dib**, *ASI Conf. Ser.* **1**, 117, 2010.
1068. BROAD-BAND OPTICAL POLARIMETRIC STUDIES OF NGC 1893, **C. Eswaraiah, A. K. Pandey, G. Maheswar, B. J. Medhi, J. C. Pandey & D. K. Ojha**, *ASI Conf. Ser.* **1**, 123, 2010.
1069. NEW INITIATIVES IN OPTICAL ASTRONOMY AT ARIES, **R. Sagar, B. Kumar, A. Omar & A. K. Pandey**, *ASI Conf. Ser.* **1**, 203, 2010.
1070. STAR FORMATION IN BRIGHT-RIMMED CLOUDS AND ASSOCIATED CLUSTERS, **N. Chauhan, A. K. Pandey, K. Ogura & J. Jose**, *ASI Conf. Ser.* **1**, 221, 2010.

1071. MULTI-WAVELENGTH STUDY OF THE YOUNG CLUSTER NGC 1624, **J. Jose, A. K. Pandey, K. Ogura, D. K. Ojha, B. C. Bhatt, M. R. Samal & N. Chauhan**, *ASI Conf. Ser.* **1**, 223, 2010.
1072. PROPOSED VISIBLE EMISSION LINE SPACE SOLAR CORONAGRAPH, **J. Singh et al.(including W. Uddin)**, *CS* **100**, 167, 2011.
1073. A SPECTROSCOPIC STUDY OF THE HYBRID PULSATOR γ PEGASI*, **C. P. Pandey, T. Morel, M. Briquet, K. Jayakumar, S. Bisht & B. B. Sanwal**, *Comm. in Asteroseismology* **162**, 21, 2011.
1074. HOMOLOGOUS FLARES AND MAGNETIC FIELD TOPOLOGY IN ACTIVE REGION NOAA 10501 ON 20 NOVEMBER 2003, **R. Chandra, B. Schmieder, C. H. Mandrini, P. Démoulin, E. Pariat, T. Torok & W. Uddin**, *SP* **269**, 83, 2011.
1075. FRONT-END DIGITAL SIGNAL PROCESSING SCHEME FOR 206.5 MHZ ATMOSPHERIC RADAR APPLICATION, **A. Kumar, S. Bhattacharjee, M. Naja & P. Kumar**, *Int. Jr. of Adv. in Tech.* **2**, 71, 2011.
1076. A MULTIWAVELENGTH POLARIMETRIC STUDY TOWARDS THE OPEN CLUSTER NGC 1893, **C. Eswaraiyah, A. K. Pandey, G. Maheswar, B. J. Medhi, J. C. Pandey, D. K. Ojha & W. P. Chen**, *MNRAS* **411**, 1418, 2011.
1077. INFLUENCE OF SOLAR ECLIPSE OF 15 JANUARY 2010 ON SURFACE OZONE, **T. Nishanth, N. Ojha, M. K. S. Kumar & M. Naja**, *AE* **45**, 1752, 2011.
1078. INTRANIGHT VARIABILITY OF 3C 454.3 DURING ITS 2010 NOVEMBER OUTBURST, **R. Bachev, E. Semkov, A. Strigachev, B. Mihov, A. C. Gupta, S. Peneva, E. Ovcharov, A. Valcheva & A. Lalova**, *AA* **528**, L10, 2011.
1079. LIGHT CURVE ANALYSIS OF HIPPARCOS DATA FOR THE MASSIVE O-TYPE ECLIPSING BINARY UW CMA, **E. A. Antokhina, M. S. Rao & M. Parthasarathy**, *NA* **16**, 177, 2011.
1080. A MULTIWAVELENGTH CENSUS OF STELLAR CONTENTS IN THE YOUNG CLUSTER NGC 1624, **J. Jose, A. K. Pandey, K. Ogura, D. K. Ojha, B. C. Bhatt, M. R. Samal, N. Chauhan, D. K. Sahu & P. S. Rawat**, *MNRAS* **411**, 2530, 2011.
1081. RECONNECTION IN PHOTOSPHERIC-CHROMOSPHERIC CURRENT SHEET AND CORONAL HEATING, **P. Kumar, N. Kumar & W. Uddin**, *Plasma Physics Rept.* **37**, 161, 2011.
1082. OPTICAL MICROVARIABILITY PROPERTIES OF BALQSOS, **R. Joshi, H. Chand, A. C. Gupta & P. J. Wiita**, *MNRAS* **412**, 2717, 2011.
1083. DEVELOPMENT OF MIE LIDAR SYSTEM AND INITIAL CLOUD OBSERVATIONS OVER CENTRAL HIMALAYAN REGION, **T. Bangia, A. Kumar, R. Sagar, P. K. Agarwal & S. K. Singh**, *SRAE* **6**, 896, 2011.
1084. STUDY OF ATMOSPHERIC AEROSOLS OVER THE CENTRAL HIMALAYAN REGION USING A NEWLY DEVELOPED MIE LIGHT DETECTION AND RANGING SYSTEM: PRELIMINARY RESULTS, **T. Bangia, A. Omar, R. Sagar, A. Kumar, S. Bhattacharjee, A. Reddy, P. K. Agarwal & P. Kumar**, *JARS* **5**, 053521-1, 2011.

1085. OPTICAL INTRADAY VARIABILITY STUDIES OF 10 LOW ENERGY PEAKED BLAZARS, **B. Rani, A. C. Gupta, U. C. Joshi, S. Ganesh & P. J. Wiita**, *MNRAS* **413**, 2157, 2011.
1086. A SECOND SET OF RATAN-600 OBSERVATIONS OF GIANT RADIO GALAXIES, **M. L. Khabibullina, O. V. Verkhodanov, M. Singh, A. Piya, S. Nandi & N. V. Verkhodanova**, *AR* **55**, 392, 2011.
1087. A STUDY OF GIANT RADIO GALAXIES AT RATAN-600, **M. L. Khabibullina, O. V. Verkhodanov, M. Singh, A. Priya, S. Nandi & N. V. Verkhodanova**, *Ap.B.* **66**, 171, 2011.
1088. SEARCHING FOR NEEDLES IN HAYSTACKS-LOOKINGS FOR GAMMA-RAY BURST γ -RAYS WITH THE FERMI/LAT DETECTOR, **C. W. Akerlof, W. Zheng, S. B. Pandey & T. A. McKay**, *Ap.J.* **726**, 22, 2011.
1089. SN 2008GZ - MOST LIKELY A NORMAL TYPE IIP EVENT, **R. Roy et al. (including B. Kumar, Brajesh Kumar, S. B. Pandey & R. Sagar)**, *MNRAS* **414**, 167, 2011.
1090. OPTICAL PHOTOMETRIC STUDY OF THE OPEN CLUSTERS KOPOSOV 12, KOPOSOV 53 AND KOPOSOV 77, **R. K. S. Yadav, E. V. Glushkhova, D. P. Sariya, A. V. Porokhova, B. Kumar & R. Sagar**, *MNRAS* **414**, 652, 2011.
1091. CROSSING FILAMENTS, **B. Filippov & A. K. Srivastava**, *SP* **270**, 151, 2011.
1092. SPECTRAL AND PHOTOMETRIC MONITORING OF DISTANT CORE-COLLAPSE SUPERNOVAE IN THE SAO RAS, **A. S. Moskvitin, T. A. Fatkhullin, V. V. Sokolov, V. N. Komarova, A. J. Drake, R. Roy & D. Yu. Tsvetkov**, *Ap.B.* **65**, 230, 2011.
1093. DISCOVERY OF THE FIRST GIANT DOUBLE RADIO RELIC IN A GALAXY CLUSTER FOUND IN THE PLANCK SUNYAEV-ZEL'DOVICH CLUSTER SURVEY: PLACK G287.0+32.9, **J. Bagchi et al. (including S. Joshi)**, *Ap.J.* **736**, L8, 2011.
1094. THE DISCOVERY AND NATURE OF THE OPTICAL TRANSIENT CSS100217:102913+404220, **A. J. Drake et al. (including R. Roy & B. Kumar)**, *Ap.J.* **735**, 106, 2011.
1095. ACTORS OF THE MAIN ACTIVITY IN LARGE COMPLEX CENTRES DURING THE 23 SOLAR CYCLE MAXIMUM, **B. Schmieder et al. (including W. Uddin & P. Kumar)**, *ASR* **47**, 2081, 2011.
1096. OBSERVATIONS OF THE ULTRA-FAST KELVIN WAVE IN THE TROPICAL MESOSPHERE DURING EQUINOX, **A. Guharay, P. Pant, B. Pande & K. Pandey**, *IJRS* **32**, 3043, 2011.
1097. STABLE CARBON AND NITROGEN ISOTOPIC COMPOSITION OF BULK AEROSOLS OVER INDIA AND NORTHERN INDIAN OCEAN, **R. Agnihotri, T. K. Mandal, S. G. Karapurkar, M. Naja, R. Gadi, Y. N. Ahammed, A. Kumar, T. Saud & M. Saxena**, *AE* **45**, 2828, 2011.
1098. SN 2008IN-BRIDGING THE GAP BETWEEN NORMAL AND FAINT SUPERNOVAE OF TYPE IIP, **R. Roy, B. Kumar et al. (including Brajesh Kumar, S. B. Pandey and R. Sagar)**, *Ap.J.* **736**, 76, 2011.
1099. LIGHT POLLUTION: A MENACE TO OPTICAL ASTRONOMY, **P. Pant**, *Geo Imaginations* **1**, 11, 2011.

1100. OPTO-MECHANICAL DESIGN, ANALYSIS AND ECONOMICAL MANUFACTURE OF A LARGE LIDAR RECEIVER TELESCOPE, **T. Bangia, P. K. Agarwal, S. K. Singh & R. Sagar**, *JETR* **3**, 180, 2011.
1101. STAR FORMATION IN BRIGHT-RIMMED CLOUDS AND CLUSTERS ASSOCIATED WITH THE W5 E H II REGION, **N. Chauhan, A. K. Pandey, K. Ogura, J. Jose, D. K. Ojha, M. R. Samal & H. Mito**, *MNRAS* **415**, 1202, 2011.
1102. RE-ANALYSIS OF QPO IN 3C 273 LIGHT CURVE, **P. Mohan, A. Mangalam, H. Chand & A. C. Gupta**, *JAA* **32**, 117, 2011.
1103. UV AND X-RAY VARIABILITY OF BLAZARS, **A. C. Gupta**, *JAA* **32**, 155, 2011.
1104. VARIABILITY OF SPECTRAL ENERGY DISTRIBUTION OF BLAZAR S5 0716+714, **B. Rani, A. C. Gupta & P. J. Wiita**, *JAA* **32**, 217, 2011.
1105. OBSERVATION OF INTENSITY OSCILLATIONS ABOVE X-RAY BRIGHT POINTS FROM THE HINODE/XRT: SIGNATURE OF MAGNETOHYDRODYNAMIC OSCILLATIONS IN THE SOLAR CORONA, **M. Kumar, A. K. Srivastava & B. N. Dwivedi**, *MNRAS* **415**, 1419, 2011.
1106. SIZE DISTRIBUTION OF ATMOSPHERIC AEROSOLS AT MAITRI, ANTARCTICA, **V. Pant, D. Siingh & A. K. Kamra**, *AE* **45**, 5138, 2011.
1107. OBSERVATIONS OF X-RAY FLARES AND ASSOCIATED MHD OSCILLATIONS IN STAR ξ BOO, **J. C. Pandey & A. K. Srivastava**, *AG* **27**, 181, 2011.
1108. EVIDENCE OF THE LEAKAGE OF MHD OSCILLATIONS ABOVE ON-DISK CORONAL HOLE, **M. Kumar, B. N. Dwivedi & A. K. Srivastava**, *AG* **27**, 113, 2011.
1109. OBSERVATION OF KINK INSTABILITY AS DRIVER OF RECURRENT FLARES IN AR 10960, **A. K. Srivastava, P. Kumar, T. V. Zaqarashvili, B. P. Filippov, M. L. Khodachenko & W. Uddin**, *AG* **27**, 141, 2011.
1110. SEARCH FOR P-MODE PULSATIONS IN LATE-TYPE CP STARS, **S. Joshi & N. K. Chakradhari**, *AG* **27**, 219, 2011.
1111. ON THE SOURCE OF THE SUPER-STORM OF SOLAR-CYCLE # 23 ASSOCIATED WITH THE SOLAR FLARES ON 18 NOVEMBER 2003, **P. Kumar, P. K. Manoharan, W. Uddin & K. Mahalakshmi**, *AG* **27**, 129, 2011.
1112. QUASI-SPHERICAL, TIME-DEPENDENT VISCOUS ACCRETION FLOW: ONE-DIMENSIONAL RESULTS, **S. Lee, D. Ryu & I. Chattopadhyay**, *Ap.J.* **728**, 142, 2011.
1113. ALTITUDE VARIATION OF AEROSOL PROPERTIES OVER THE HIMALAYAN RANGE INFERRED FROM SPATIAL MEASUREMENTS, **U. C. Dumka, K. K. Moorthy, S. N. Tripathi, P. Hegde & R. Sagar**, *JASTP* **73**, 1747, 2011.
1114. RAPID OPTICAL VARIABILITY OF TEV BLAZARS, **Gopal-Krishna, A. Goyal, S. Joshi, C. Karthick, R. Sagar, P. J. Wiita, G. C. Anupama & D. K. Sahu**, *MNRAS* **416**, 101, 2011.

1115. STAR FORMATION ACTIVITY IN THE GALACTIC H II COMPLEX S255-S257, **D. K. Ojha, M. R. Samal, A. K. Pandey, B. C. Bhatt, S. K. Ghosh, S. Sharma, M. Tamura, V. Mohan & I. Zinchenko**, *Ap.J.* **738**, 156, 2011.
1116. EFFECTS OF THE COMPOSITION ON TRANSONIC PROPERTIES OF ACCRETION FLOWS AROUND BLACK HOLES, **I. Chattopadhyay & S. K. Chakrabarti**, *IJMP-D* **20**, 1597, 2011.
1117. A KINEMATIC AND PHOTOMETRIC STUDY OF THE GALACTIC YOUNG STAR CLUSTER NGC 7380, **W. P. Chen, A. K. Pandey, S. Sharma, C. W. Chen, L. Chen, J. Sperauskas, K. Ogura, R. J. Chuang & R. P. Boyle**, *AJ* **142**, 71, 2011.
1118. THE SWIFT/FERMI GRB 080928 FROM 1 eV TO 150 KeV, **A. Rossi, et al. (including S. B. Pandey)**, *AA* **529**, A142, 2011.
1119. OPTICAL POLARIMETRY AND PHOTOMETRY OF YOUNG SUN-LIKE STAR LO PEG, **J. C. Pandey, B. J. Medhi & R. Sagar**, *IAU Symp.* **273**, 455, 2011.
1120. OBSERVATIONS OF RADIATIVELY AND CHEMICALLY ACTIVE TRACE GASES IN THE CENTRAL HIMALAYA AND INDO-GANGETIC PLAIN REGION, **T. Sarangi, M. Naja, K. P. Singh, Y. Kant, N. Ojha, R. Kumar, K. Pandey, S. Venkatramani, S. Lal & R. Sagar**, *Climate Change in the Himalayas: Preserving the third pole for colling the earth*, ed. by V. Singh, 61, 2011.
1121. IMPACT OF BOUNDARY LAYER DYNAMICS ON BLACK CARBON VARIATION OVER THE CENTRAL HIMALAYA AND ITS FOOTHILLS, **H. Joshi, P. Pant, M. Naja, M. Choudhary & K. P. Singh**, *Climate Change in the Himalayas: Preserving the third pole for colling the earth*, ed. by V. Singh, 89, 2011.
1122. MULTIWAVELENGTH STUDY ON SOLAR AND INTERPLANETARY ORIGINS OF THE STRONGEST GEOMAGNETIC STROM OF SOALR CYCLE 23, **P. Kumar, P. K. Manoharan & W. Uddin**, *SP* **271**, 149, 2011.
1123. GRB 090618: DETECTION OF THERMAL X-RAY EMISSION FROM A BRIGHT GRAMMA-RAY BURST, **K. L. Page, et al. (including S. B. Pandey)**, *MNRAS* **416**, 2078, 2011.
1124. A POSSIBILITY OF MAGNUS EFFECT ON DISK GALAXIES, **A. Omar**, *CS* **100**, 1391, 2011.
1125. STARS AT THE TIP OF PECULIAR ELEPHANT TRUNK-LIKE CLOUDS IN IC 1848E: A POSSIBLE THIRD MECHANISM OF TRIGGERED STAR FORMATION, **N. Chauhan, K. Ogura, A. K. Pandey, M. R. Samal & B. C. Bhatt**, *PASJ* **63**, 795, 2011.
1126. OBSERVATIONS OF A PULSE-DRIVEN COOL POLAR JET BY SDO/AIA, **A. K. Srivastava & K. Murawski**, *AA* **534**, A62, 2011.
1127. D-REGION IONOSPHERE RESPONSE TO THE TOTAL SOLAR ECLIPSE OF 22 JULY 2009 DEDUCED FROM ELF-VLF TWECK OBSERVATIONS IN THE INDIAN SECTOR, **R. Singh, et al. (including P. Pant)**, *JGR* **116**, A10301, 2011.
1128. INFLUENCES OF THE SPRINGTIME NORTHERN INDIAN BIOMASS BURNING OVER THE CENTRAL HIMALAYAS, **R. Kumar, M. Naja, S. K. Satheesh, N. Ojha, H. Joshi, T. Sarangi, P. Pant, U. C. Dumka, P. Hegde & S. Venkataramani**, *JGR* **116**, D19302, 2011.

1129. MULTIWAVELENGTH OBSERVATIONS OF A FAILED FLUX ROPE IN THE ERUPTION AND ASSOCIATED M-CLASS FLARE FROM NOAA AR 11045, **P. Kumar, A. K. Srivastava, B. Filippov, R. Erdelyi & W. Uddin**, *SP* **272**, 301, 2011.
1130. SPECTRAL ENERGY DISTRIBUTION VARIATION IN BL LACS AND FLAT SPECTRUM RADIO QUASARS, **B. Rani, et al. (including A. C. Gupta)**, *MNRAS* **417**, 1881, 2011.
1131. MILLIMETRE OBSERVATIONS OF GAMMA-RAY BURSTS, **A. J. Castro-Tirado, et al. (including S. B. Pandey)**, *AIP Conf. Proc.* **1358**, 109, 2011.
1132. NUMERICAL SIMULATIONS OF SOLAR MACROSPICULES, **K. Murawski, A. K. Srivastava & T. V. Zaqarashvili**, *AA* **535**, A58, 2011.
1133. PHOTOMETRIC SEARCH FOR VARIABLE STARS IN THE YOUNG OPEN CLUSTER BERKELEY 59, **S. Lata, A. K. Pandey, G. Maheswar, S. Mondal & B. Kumar**, *MNRAS* **418**, 1346, 2011.
1134. THE NEW 130-CM OPTICAL TELESCOPE AT DEVASTHAL, NAINITAL, **R. Sagar, A. Omar, B. Kumar, M. Gopinathan, S. B. Pandey, T. Bangia, J. Pant, V. Shukla & S. Yadav**, *CS* **101**, 1020, 2011.
1135. TRANSIT INCLUDE MHD OSCILLATIONS: A TOOL TO PROBE THE SOLAR ACTIVE REGIONS, **A. K. Srivastava, V. M. Nakariakov, B. N. Dwivedi & P. Kumar**, *ASI Conf. Series* **2**, 271, 2011.
1136. ON THE TRIGGERING OF M-CLASS SOLAR FLARE DUE TO LOOP-LOOP INTERSECTION IN AR NOAA 10875, **P. Kumar, A. K. Srivastava, B. V. Somov, P. K. Manoharan, R. Erdelyi & W. Uddin**, *ASI Conf. Series* **2**, 315, 2011.
1137. DISTANCE TO DENSE CORES THAT CONTAIN VERY LOW LUMINOSITY OBJECTS, **G. Maheswar, C. W. Lee & S. Dib**, *AA* **536**, A99, 2011.
1138. PHOTOMETRIC STUDY OF THE CLOSE ECLIPSING BINARY MM DRA, **R. Bachev, et al. (including A. C. Gupta)**, *BAJ* **15**, 93, 2011.
1139. A SEARCH FOR RAPID OPTICAL VARIABILITY IN LOW-MASS SEYFERT GALAXIES: NGC 4395, **E. Semkov, et al. (including A. C. Gupta)**, *BAJ* **17**, 1, 2011.
1140. INFORMATION SEEKING BEHAVIOR OF LIBRARY USERS AT ARYABHATTA RESEARCH INSTITUTE OF OBSERVATIONAL SCIENCES (ARIES), INDIA, **P. Kumar & S. Kumar**, *Int. Jr. Infor. Res.* **1**, 39, 2011.
1141. A LOW-FREQUENCY STUDY OF TWO ASYMMETRIC LARGE RADIO GALAXIES, **A. Pirya, S. Nandi, D. J. Saikia, C. Konar & M. Singh**, *BASI* **39**, 547, 2011.
1142. A MULTIFREQUENCY STUDY OF FIVE LARGE RADIO GALAXIES, **A. Pirya, S. Nandi, D. J. Saikia, C. Konar & M. Singh**, *BASI* **32**, 471, 2011.
1143. OBSERVATIONS OF X-RAY FLARES IN G-K DWARFS BY XMM-NEWTON, **J. C. Pandey & K. P. Singh**, *ASP Conf. Series* **448**, 301, 2011.

1144. THE DYNAMICS OF RADIO GALAXIES AND DOUBLE-DOUBLE RADIO GALAXIES, **C. Konar, et al. (including S. Nandi)**, *JAA* **32**, 477, 2011.
1145. THE DOUBBLE-DOUBLE RADIO GALAXY 3C293, **S. A. Joshi, et al. (including S. Nandi)**, *JAA* **32**, 487, 2011.
1146. IDENTIFICATION OF FRICTION IN THE 50/80 CM ARIES SCHMIDT TELESCOPE USING THE LUGRE MODEL, **T. S. Kumar & R. N. Banvar**, *IFAC (conference)*, 980, 2011.
1147. STELLAR CONTENTS AND STAR FORMATION IN THE YOUNG CLUSTER STOCK 18, **H. Bhatt, R. Sagar & J. C. Pandey**, *NA* **17**, 160, 2012.
1148. INFLUENCE OF REGIONAL POLLUTION AND LONG RANGE TRANSPORT OVER WESTERN INDIA: ANALYSIS OF OZONESONDE DATA, **S. Srivastava, S. Lal, M. Naja, S. Venkataramani & S. Gupta**, *AE* **47**, 174, 2012.
1149. A STUDY OF X-RAY FLARES-II. RS CVN-TYPE BINARIES, **J. C. Pandey & K. P. Singh**, *MNRAS* **419**, 1219, 2012.
1150. OBSERVATIONS OF POST-FLARE PLASMA DYNAMICS DURING AN M1.0 FLARE IN AR11093 BY THE SOLAR DYNAMICS OBSERVATORY/ASTMOSPHERIC IMAGING ASSEMBLY, **A. K. Srivastava & K. Murawski**, *Ap. J.* **744**, 173, 2012.
1151. OPTICAL INTRA-DAY VARIABILITY TIMESCALES AND BLACK HOLE MASS OF THE BLAZARS, **S. P. Gupta, U. S. Pandey, K. Singh, B. Rani, J. Pan, J. H. Fan & A. C. Gupta**, *NA* **17**, 8, 2012.
1152. MULTIWAVELENGTH VARIABILITY OF THE BLAZARS MRK 421 AND 3C 454.3 IN THE HIGH STATE, **H. Gaur, A. C. Gupta & P. J. Wiita**, *AJ* **143**, 23, 2012.
1153. PHOTOMETRIC STUDY AND DETECTION OF VARIABLE STARS IN THE OPEN CLUSTERS I. NGC 6866, **Y. C. Joshi, S. Joshi, B. Kumar, S. Mondal & L. A. Balona**, *MNRAS* **419**, 2379, 2012.
1154. OBSERVATIONAL SIGNATURES OF THE CORONAL KINK INSTABILITY WITH THERMAL CONDUCTION, **G. J. J. Botha, T. D. Arber & A. K. Srivastava**, *Ap. J.* **745**, 53, 2012.
1155. BLACK CARBON AEROSOLS OVER MANORA PEAK IN THE INDIAN HIMALAYAN FOOTHILLS: IMPLICATIONS FOR CLIMATE FORCING, **A. K. Srivastava, K. Ram, P. Pant, P. Hegde & H. Joshi**, *Enviro. Res. Lett.* **7**, 014002, 2012.
1156. FAINT HIGH-ENERGY GAMMA-RAY PHOTON EMISSION OF GRB 081006A FROM FERMI OBSERVATIONS, **W. Zheng, C. W. Akerlof, S. B. Pandey, T. A. McKay, B. Zhang & B. Zhang**, *Ap. J.* **745**, 72, 2012.
1157. GRB 081029: A GAMMA-RAY BURST WITH A MULTI-COMPONENT AFTERGLOW, **S. T. Holland, et al. (including S. B. Pandey)**, *Ap. J.* **745**, 41, 2012.
1158. PROBING SPECTRAL PROPERTIES OF RADIO-QUIET QUASARS SEARCHED FOR OPTICAL MICROVARIABILITY - II, **R. Joshi, H. Chand, P. J. Wiita, A. C. Gupta & R. Srianand**, *MNRAS* **419**, 3433, 2012.

1159. BROAD-BAND OPTICAL POLARIMETRIC STUDIES TOWARDS THE GALACTIC YOUNG STAR CLUSTER BERKELEY 59, **C. Eswaraiah, A. K. Pandey, G. Maheswar, W. P. Chen, D. K. Ojha & H. C. Chandola**, *MNRAS* **419**, 2587, 2012.
1160. AEROSOL CHARACTERIZATION OVER A HIGH ALTITUDE LOCATION IN CENTRAL HIMALAYAS, **P. Pant**, *Jr. of Inst. Eng.* **8**, 87, 2012.
1161. BLACK CARBON AEROSOL CHARACTERISTICS AND ITS RADIATIVE IMPACT OVER NAINITAL: A HIGH-ALTITUDE STATION IN THE CENTRAL HIMALAYAS, **A. K. Srivastava, P. Pant, U. C. Dumka & P. Hegde**, *Jr. of Inst. Eng.* **8**, 1, 2012.
1162. SEARCHING FOR SOFT RELATIVISTIC JETS IN CORE-COLLAPSE SUPERNOVAE WITH THE ICE-CUBE OPTICAL FOLLOW-UP PROGRAM, **R. Abbasi, et al. (including S. B. Pandey)**, *AA* **539**, A60, 2012.
1163. QUASI-SIMULTANEOUS TWO-BAND OPTICAL VARIABILITY OF THE BLAZARS 1ES 1959+650 AND 1ES 2344+514, **H. Gaur, et al. (including A. C. Gupta)**, *MNRAS* **420**, 3147, 2012.
1164. A MULTIWAVELENGTH STUDY OF AN M-CLASS FLARE AND THE ORIGIN OF AN ASSOCIATED ERUPTION FROM NOAA AR 11045, **B. N. Dwivedi, A. K. Srivastava, M. Kumar & P. Kumar**, *NA* **17**, 542, 2012.
1165. FR CNC REVISITED: PHOTOMETRY, POLARIMETRY AND SPECTROSCOPY, **A. Golovin, et al. (including J. C. Pandey)**, *MNRAS* **421**, 132, 2012.
1166. THE CHANGES IN NEAR-SURFACE OZONE AND PRECURSORS AT TWO NEARBY TROPICAL SITES DURING ANNULAR SOLAR ECLIPSE OF 15 JANUARY 2010, **I. A. Girach, et al. (including N. Ojha and M. Naja)**, *JGR* **117**, D01303, 2012.
1167. VVV DR1: THE FIRST DATA RELEASE OF THE MILKY WAY BULGE AND SOUTHERN PLANE FROM THE NEAR-INFRARED ESO PUBLIC SURVEY VISTA VARIABLES IN THE VA LCTEA, **R. K. Saito, et al. (including S. Sharma)**, *AA* **537**, A107, 2012.
1168. SIMULATIONS OVER SOUTH ASIA USING THE WEATHER RESEARCH AND FORECASTING MODEL WITH CHEMISTRY (WRF-CHEM): SET-UP AND METEOROLOGICAL EVALUATION, **R. Kumar, M. Naja, G. G. Pfister, M. C. Barth & G. P. Brasseur**, *Geosci. Model Dev.* **5**, 321, 2012.
1169. OBSERVATIONS OF MULTIPLE SURGES ASSOCIATED WITH MAGNETIC ACTIVITIES IN AR10484 ON 25 OCTOBER 2003, **W. Uddin, B. Schmieder, R. Chandra, A. K. Srivastava, Pankaj Kumar & S. Bisht**, *Ap.J.* **752**, 70, 2012.
1170. MULTIWAVELENGTH STUDY OF THE TRIGGERING OF AN M 1.2 CLASS SOLAR FLARE IN AR 1069 ON 5 MAY 2010, **A. K. Srivastava**, *Adv. Appli. Math. Comp. Phy.*, 1, 2012.
1171. ACCRETION OF MULTI-SPECIES PLASMA ONTO BLACK HOLES, **I. Chattopadhyay**, *Proceeding MG12 on general relativity UNESCO, Paries, France on 12-18 July, 2009*, 982, 2012.
1172. OBSERVATIONS OF QUASI-PERIODIC PHENOMENA ASSOCIATED WITH A LARGE BLOWOUT SOLAR JET, **R. J. Morton, A. K. Srivastava & R. Erdelyin**, *AA* **542**, A70, 2012.

1173. SIMULATION OF RADIATION-DRIVEN WINDS FROM DISC GALAXIES, **I. Chattopadhyaya, M. Sharma, B. B. Natha & D. Ryu**, *MNRAS* **423**, 2153, 2012.
1174. PROPER MOTIONS AND MEMBERSHIP PROBABILITIES OF STARS IN THE REGION OF GLOBULAR CLUSTER NGC 6809, **D. P. Sariya, R. K. S. Yadav & A. Bellini**, *AA* **543**, A87, 2012.
1175. GRB 100814A AS A MEMBER OF THE GROWING SET OF BURSTS WITH SUDDEN OPTICAL REBRIGHTENING, **M. D. Pasquale, et al. (including S. B. Pandey)**, *Proc. of Science*, 2012.
1176. A POSSIBLE DETECTION OF OCCULTATION BY A PROTO-PLANETARY CLUMP IN GM CEPHEI, **W. P. Chen, et al. (including A. K. Pandey)**, *Ap. J.* **751**, 118, 2012.
1177. STAR FORMATION AND YOUNG POPULATION OF THE HII COMPLEX SH2-294, **M. R. Samal, A. K. Pandey, D. K. Ojha, N. Chauhan, J. Jose & B. Pandey**, *Ap. J.* **755**, 20, 2012.
1178. INTRA-NIGHT OPTICAL VARIABILITY OF CORE DOMINATED RADIO QUASARS: THE ROLE OF OPTICAL POLARIZATION, **A. Goyal, et al. (including R. Sagar & S. Joshi)**, *AA* **544**, A37, 2012.
1179. A SPECTROSCOPIC ANALYSIS OF THE CHEMICALLY PECULIAR STAR HD 207561, **S. Joshi, et al.**, *MNRAS* **424**, 2002, 2012.
1180. INCIDENCE OF MG II ABSORPTION SYSTEMS TOWARD FLAT-SPECTRUM RADIO QUASARS, **H. Chand & Gopal-Krishna**, *Ap. J.* **754**, 38, 2012.
1181. OPTICAL AND NEAR-INFRARED SURVEY OF THE STELLAR CONTENTS ASSOCIATED WITH THE STAR-FORMING COMPLEX SH2-252, **J. Jose, et al. (including A. K. Pandey, M. R. Samal & R. K. Yadav)**, *MNRAS* **424**, 2486, 2012.
1182. THE GLOBULAR CLUSTER SYSTEM OF NGC1316. I. WIDE-FIELD PHOTOMETRY IN THE WASHINGTON SYSTEM, **T. Richtler, L. P. Bassino, B. Diresch & B. Kumar**, *AA* **543**, A131, 2012.
1183. THE GLOBULAR CLUSTER SYSTEM OF NGC 1316. II - THE EXTRAORDINARY OBJECT SH2, **T. Richtler, B. Kumar, L. P. Bassino, B. Diresch & A. J. Romanowsky**, *AA* **543**, L7, 2012.
1184. PANCHROMATIC OBSERVATIONS OF THE TEXTBOOK GRB 110205A: CONSTRAINING PHYSICAL MECHANISMS OF PROMPT EMISSION AND AFTERGLOW, **W. Zheng, et al. (including S. B. Pandey)**, *Ap. J.* **751**, 90, 2012.
1185. THE NATURE OF THE INTRA-NIGHT OPTICAL VARIABILITY IN BLAZARS, **R. Bachev, E. Semkov, et al. (including A. C. Gupta & H. Gaur)**, *MNRAS* **424**, 2625, 2012.
1186. MULTIWAVELENGTH INTRADAY VARIABILITY OF THE BL LACERTAE S5 0716+714, **A. C. Gupta, et al. (including H. Gaur)**, *MNRAS* **425**, 1357, 2012.
1187. OPTICAL FLUX AND SPECTRAL VARIABILITY OF BLAZARS, **H. Gaur, et al. (including A. C. Gupta)**, *MNRAS* **425**, 3002, 2012.

1188. REJUVENATED RADIO GALAXIES J0041+3224 AND J1835+6204: HOW LONG CAN THE QUIESCENT PHASE OF NUCLEAR ACTIVITY LAST?, **C. Konar, M. J. Hardcastle, M. Jamrozy, J. H. Croston & S. Nandi**, *MNRAS* **424**, 3061, 2012.
1189. CHARACTERISTICS OF BLACK CARBON OVER DELHI AND MANORA PEAK- A COMPARATIVE STUDY, **A. K. Srivastava, S. Singh. P. Pant & U. C. Dumka**, *Atmo. Sci. Lett.* **13**, 223, 2012.
1190. NEW OPTICAL TELESCOPES PROJECTS AT DEVASTHAL OBSERVATORY, **R. Sagar, B. Kumar, A. Omar & A. K. Pandey**, *Proc. of SPIE* **8444**, 84441T-1, 2012.
1191. THE 3.6-M INDO-BELGIAN DEVASTHAL OPTICAL TELESCOPE: GENERAL DESCRIPTION, **N. Niname, C. Flebus & B. Kumar**, *Proc. of SPIE* **8444**, 84441V-1, 2012.
1192. A STUDY OF THE ENVIRONMENTS OF LARGE RADIO GALAXIES USING SDSS, **A. Pirya, D. J. Saikia, M. Singh & H. C. Chandola**, *MNRAS* **426**, 758, 2012.
1193. INFLUENCES OF THE BOUNDARY LAYER EVOLUTION ON SURFACE OZONE VARIATIONS AT A TROPICAL RURAL SITE IN INDIA, **K. K. Reddy, M. Naja, N. Ojha, P. Mahesh & S. Lal, Jr.** *Earth Syst. Sci.* **4**, 911, 2012.
1194. THE IMF OF INTERMEDIATE-MASS STARS IN YOUNG STAR CLUSTERS, **R. Sagar & B. Kumar**, *ASI Conf. Seri.* **4**, 173, 2012.
1195. STAR FORMATION ACTIVITY IN THE GALACTIC HII REGION SH2-297, **K. K. Mallick, et al. (including A. K. Pandey)**, *Ap. J.* **759**, 488, 2012.
1196. COMPREHENSIVE MULTI-WAVELENGTH MODELING OF THE AFTERGLOW OF GRB 0505025A, **L. Resmi, et al. (including S. B. Pandey & Sagar, R.)**, *MNRAS* **427**, 288, 2012.
1197. VARIABILITIES IN OZONE AT A SEMI-URBAN SITE IN THE INDO-GANGETIC PLAIN REGION: ASSOCIATION WITH THE METEOROLOGY AND REGIONAL PROCESSES, **N. Ojha, M. Naja, K. P. Singh, T. Sarangi, R. Kumar, S. Lal, M. G. Lawrence, T. M. Butler & H. C. Chandola**, *JGR* **117**, D20301, 2012.
1198. MULTIWAVELENGTH OBSERVATIONS OF SUPERSONIC PLASMA BLOB TRIGGERED BY RECONNECTION-GENERATED VELOCITY PULSE IN AR10808, **A. K. Srivastava, R. Erdelyi, K. Murawski & P. Kumar**, *SP* **281**, 729, 2012.
1199. PRE-MAIN SEQUENCE VARIABLE STARS IN YOUNG OPEN CLUSTER NGC 1893, **S. Lata, A. K. Pandey, W. P. Chen, G. Maheswar & N. Chauhan**, *MNRAS* **427**, 1449, 2012.
1200. MULTIWAVELENGTH STUDY OF THE NGC 281 REGION, **S. Sharma, et al. (including A. K. Pandey & J. C. Pandey)**, *PASJ* **64**, 107, 2012.
1201. ENCLOSURE DESIGN FOR THE ARIES 3.6-M OPTICAL TELESCOPE, **A. K. Pandey, V. Shukla, T. Bangia, R. D. Raskar, R. R. Kulkarni & A. S. Ghanti**, *Proc. of SPIE* **8444**, 844441-1, 2012.
1202. TOP-OF-ATMOSPHERE RADIATIVE COOLING WITH WHITE ROOFS: EXPERIMENTAL VERIFICATION AND MODEL-BASED EVALUATION, **F. Salamanca, et al. (including M. Naja)**, *Env. Res. Lett.* **7**, 044007, 2012.

1203. NAINITAL MICROLENSING SURVEY-LONG TERM PHOTOMETRIC STUDY OF TWO NOVAE IN M31, **Y. C. Joshi & D. Narasimha**, *BASI* **40**, 459, 2012.
1204. GRB AFTERGLOW OBSERVATIONS FROM ARIES NAINITAL AND THEIR IMPORTANCE, **R. Sagar & S. B. Pandey**, *ASI Conf. Serice* **5**, 1, 2012.
1205. EARLY TIME OPTICAL OBSERVATIONS OF GRB AFTERGLOW, **S. B. Pandey**, *ASI Conf. Serice* **5**, 59, 2012.
1206. EFFECT OF EQUATION OF STATE AND COMPOSITION ON RELATIVISTIC FLOWS, **I. Chattopadhyay, S. Mandal, H. Ghosh, S. Garain & R. Kumar**, *ASI Conf. Serice* **5**, 81, 2012.
1207. A SUBLUMINOUS TYPE IIP SUPERNOVA 2008IN HAVING PROPERTIES UNKNOWN SO FAR, **R. Roy & Brijesh Kumar**, *ASI Conf. Serice* **5**, 115, 2012.
1208. OBSERVATION EVIDENCE FOR BLACK HOLE SPIN DOWN IN SWIFT/BAT DATA OF LONG GRBS, **A. C. Gupta & M. H. P. M. van Putten**, *ASI Conf. Serice* **5**, 123, 2012.
1209. NEW OPTICAL TELESCOPES AT DEVASTHAL OBSERVATORY : 1.3M INSTALLED AND 3.6M UPCOMING, **R. Sagar, B. Kumar, A. Omar & Y. C. Joshi**, *ASI Conf. Series* **4**, 173, 2012.
1210. GENERATION, ANALYSIS AND EVALUATION OF BI-PHASE COMPLEMENTARY PAIRS, **A. Kumar, A. Shrivastava, S. Bhattacharjee, D. V. Phanikumar & M. Naja**, *International Jr. of Advancements in Technology* **3**, 209, 2012.
1211. ALTITUDINAL AND LATITUDINAL ASYMMETRY IN DIURNAL VARIATION OF SPORADIC METEOR FLUX OBSERVED OVER THUMBA, **D. V. Phanikumar, V. S. Kwak, A. K. Patra, K. K. Kumar & G. Yellaiah**, *CS* **103**, 62, 2012.
1212. THE 404 MHZ WIND PROFILER TO OBSERVE PRECIPITATION, **N. Singh, R. R. Joshi, S. H. Damle & G. B. Pant**, *CS* **103**, 46, 2012.
1213. DESIGN AND DEVELOPMENT OF TELESCOPE CONTROL SYSTEM AND SOFTWARE FOR THE 50/80 CM SCHMIDT TELESCOPE, **T. S. Kumar & R. N. Banavar**, *Proc. of SPIE* **8444**, 84450, 2012.
1214. MODELING OF DEFORMABLE MEMS MIRRORS IN MODERN TELESCOPE, **T. S. Kumar & R. N. Banavar**, *International conference on Fiber Optics and Photonics*, 2012. ([http:// dx.doi.org /10.1364 /PHOTONICS.2012.MPo.21](http://dx.doi.org/10.1364/PHOTONICS.2012.MPo.21))
1215. PRE-MAIN-SEQUENCE POPULATION IN NGC 1893 REGION, **A. K. Pandey, M. R. Samal, N. Chauhan, C. Eswaraiah, J. C. Pandey, W. P. Chen & D. K. Ojha**, *NA* **19**, 1, 2013.
1216. BVRI PHOTOMETRIC AND POLARIMETRIC STUDIES OF W UMA TYPE EXLIPSING BINARY FO HYDRA, **V. Prasad, J. C. Pandey, M. K. Patel & D. C. Srivastava**, *NA* **20**, 52, 2013.
1217. PULSE-DRIVEN NON-LINEAR ALFVEN WAVES AND THEIR ROLE IN THE SPECTRAL LINE BROADENING, **P. Chmielewski, A. K. Srivastava, K. Murawski & Z. E. Musielak**, *MNRAS* **428**, 40, 2013.
1218. THE KINEMATICS AND PLASMA PROPERTIES OF A SOLAR SURGE TRIGGERED BY CHROMOSPHERIC ACTIVITY IN AR11271, **P. Kayshap, A. K. Srivastava & K. Murawski**, *ApJ* **763**, 24, 2013.

1219. PULSATION AND ROTATION OF KEPLER STARS IN THE NGC 6866 FIELD, **L. A. Balona, S. Joshi, Y. C. Joshi & R. Sagar**, *MNRAS* **429**, 1466, 2013.
1220. OPTICAL PHOTOMETRIC AND POLARIMETRIC INVESTIGATION OF NGC 1931, **A. K. Pandey, C. Eswaraiah, Saurabh Sharma, M. R. Samal, N. Chauhan, W. P. Chen, J. Jose, D. K. Ojha, Ram Kesh Yadav & H. C. Chandola**, *ApJ* **764**, 172, 2013.
1221. OBSERVATIONAL EVIDENCE OF SAUSAGE-PINCH INSTABILITY IN SOLAR CORONA BY SDO/AIA, **A. K. Srivastava, R. Erdelyi, Durgesh Tripathi, V. Fedun, N. C. Joshi & P. Kayshap**, *ApJL* **765**, L42, 2013.
1222. MULTI-SITE CAMPAIGN FOR TRANSIT TIMING VARIATIONS OF WASP-12 B: POSSIBLE DETECTION OF A LONG-PERIOD SIGNAL OF PLANETARY ORIGIN, **G. Maciejewski et al. (including Y. C. Joshi)**, *AA* **551**, A108, 2013.
1223. ESTIMATED OF THE MASS OUTFLOW RATES FORM VISCOUS ACCRETION DISCS, **Rajiv Kumar & I. Chattopadhyay**, *MNRAS* **430**, 386, 2013.
1224. GREAT BURSTS OF FIRE, **W. Uddin & N. Gopalswamy**, *Connect* **4**, 18, 2013.
1225. NUMERICAL SIMULATIONS OF MAGNETOACOUSTIC-GRAVITY WAVES IN THE SOLAR ATMOSPHERE, **K. Murawski, A. K. Srivastava, J. A. McLaughlin & R. Oliver**, *SP* **283**, 383, 2013.
1226. RADIO TO GAMMA-RAY VARIABILITY STUDY OF BLAZER S5 0716+714, **B. Rani et al. (including A. C. Gupta)**, *AA* **552**, A11, 2013.
1227. OBSERVATIONS OF INTENSITY OSCILLATIONS IN A PROMINENCE-LIKE COOL LOOP SYSTEM AS OBSERVED BY SDO/AIA: EVIDENCE OF MULTIPLE HARMONICS OF FAST MAGNETOACOUSTIC WAVES, **A. K. Srivastava, B. N. Dwivedi & M. Kumar**, *ASS* **345**, 25, 2013.
1228. TRANSPORT EFFECTS ON THE VERTICAL DISTRIBUTION OF TROPOSPHERIC OZONE OVER THE TROPICAL MARINE REGIONS SURROUNDING INDIA, **S. Lal et al. (including M. Naja & T. Sarangi)**, *JGR:Atmospheres* **118**, 1513, 2013.
1229. CLUSTER MEMBERSHIP PROBABILITY: POLARIMETRIC APPROACH, **B. J. Medhi & M. Tamura**, *MNRAS* **430**, 1334, 2013.
1230. LIGHT CURVE AND SPECTRAL EVOLUTION OF THE TYPE IIB SUPERNOVA 2011FU, **Brajesh Kumar, et al. (including S. B. Pandey, B. Kumar, S. Bose, R. Roy & R. Sagar)**, *MNRAS* **431**, 308, 2013.
1231. PROPER MOTIONS AND MEMBERSHIP PROBABILITIES OF STARS IN THE REGION OF OPEN CLUSTER NGC 3766, **R. K. S. Yadav, Devesh P. Sariya & R. Sagar**, *MNRAS* **430**, 3350, 2013.
1232. STUDY OF PHOTOSPHERIC, CHROMOSPHERIC AND CORONAL ACTIVITIES OF V1147 TAU, **M. K. Patel, J. C. Pandey, I. S. Savanov, V. Prasad & D. C. Srivastava**, *MNRAS* **430**, 2154, 2013.
1233. HEIGHT OF SHOCK FORMATION IN THE SOLAR CORONA INFERRED FROM OBSERVATIONS OF TYPE II RADIO BURSTS AND CORONAL MASS EJECTIONS, **N. Gopalswamy, et al. (including W. Uddin, A. K. Srivastava & N. C. Joshi)**, *ASR* **51**, 1981, 2013.

1234. ORIGIN OF MACROSPICULE AND JET IN POLAR CORONA BY A SMALL-SCALE KINKED FLUX TUBE, **P. Kayshap, A. K. Srivastava, K. Murawski & D. Tripathi**, *ApJL* **770**, L3, 2013.
1235. A MULTIWAVELENGTH STUDY OF ERUPTIVE EVENTS ON JANUARY 23, 2012 ASSOCIATED WITH A MAJOR SOLAR ENERGETIC PARTICLE EVENT, **N. C. Joshi, et al. (including W. Uddin, A. K. Srivastava & P. Kayshap)**, *Adv. Space Res.* **52**, 1, 2013.
1236. INTRANIGHT OPTICAL VARIABILITY OF γ -ray - loud narrow - line Seyfert 1 galaxies, **V. S. Paliya, C. S. Stalin, Brijesh Kumar, Brajesh Kumar, V. K. Bhatt, S. B. Pandey & R. K. S. Yadav**, *MNRAS* **428**, 2450, 2013.
1237. A STUDY OF A FAILED CORONAL MASS EJECTION CORE ASSOCIATED WITH AN ASYMMETRIC FILAMENT ERUPTION, **N. C. Joshi, A. K. Srivastava, B. Filippov, W. Uddin, P. Kayshap & R. Chandra**, *ApJ* **771**, 65, 2013.
1238. MAGNETIC FIELDS IN COMETARY GLOBULES-IV. LBN 437, **A. Soam, G. Maheswar, H. C. Bhatt, C. W. Lee & A. N. Ramaprakash**, *MNRAS* **432**, 1502, 2013.
1239. MAGNETIC FIELD STRUCTURE INFERRED BY NEAR INFRARED POLARIZATION IN THE CARINA NEBULA AND RCW57, **B. H. Su, W. P. Chen, C. Eswaraiah, M. Tamura & R. Kandori**, *ASI Conf. Seri.* **1543**, 115, 2013.
1240. A MULTIBAND OPTICAL POLARIMETRIC STUDY OF CLASSICAL BE STARS WITH EXCEPTIONALLY LARGE NEAR-INFRARED EXCESS, **Chien-De L., C. Eswaraiah, A. K. Pandey & W. Chen**, *ASI Conf. Seri.* **1543**, 129, 2013.
1241. PHOTOMETRIC AND POLARIMETRIC STUDIES TOWARDS NGC 1931, **C. Eswaraiah, A. K. Pandey, S. Sharma & R. K. Yadav**, *ASI Conf. Seri.* **1543**, 138, 2013.
1242. MULTIWAVELENGTH STUDIES OF H II REGION NGC 2467, **R. K. Yadav, C. Eswaraiah, A. K. Pandey & S. Sharma**, *ASI Conf. Seri.* **1543**, 148, 2013.
1243. LOFAR: THE LOW-FREQUENCY ARRAY, **M. P. van Haarlem, et al. (including A. Omar)**, *AA* **556**, A2, 2013.
1244. IMPLICATIONS OF EARLY TIME OBSERVATIONS OF OPTICAL AFTERGLOWS OF GRBs, **S. B. Pandey and W. Zheng**, *EAS Publications Series* **61**, 203, 2013.
1245. MILLIMETRE OBSERVATIONS OF GAMMA-RAY BURSTS AT IRAM, **A. J. Castro-Tirado, et al. (including S. B. Pandey)**, *EAS Publications Series* **61**, 279, 2013.
1246. PHOTOMETRIC STUDIES OF OPEN STAR CLUSTERS HAFNER 11 AND CZERNIK 31, **D. Bisht, R. K. S. Yadav & A. K. Durgapal**, *NA* **25**, 103, 2013.
1247. A STUDY OF THE STARLESS DARK CLOUD LDN 1570: DISTANCE, DUST PROPERTIES AND MAGNETIC FIELD GEOMETRY, **C. Eswaraiah, G. Maheswar, A. K. Pandey, J. Jose, A. N. Ramaprakash & H. C. Bhatt**, *AA* **556**, A65, 2013.
1248. SOURCE ATTRIBUTION OF CARBON MONOXIDE IN INDIA AND SURROUNDING REGIONS DURING WINTERTIME, **R. Kumar, M. Naja, G. G. Pfister, M. C. Barth & G. P. Brasseur**, *JGR:Atmo* **118**, 1981, 2013.

1249. ENHANCED SO_2 CONCENTRATIONS OBSERVED OVER NORTHERN INDIA: ROLE OF LONG-RANGE TRANSPORT, **C. Malik, S. Lal, M. Naja, D. Chand, S. Venkataramani, H. Joshi & P. Pant**, *International Jr. of Remote Sens.* **34**, 2749, 2013.
1250. SIMULATION OF THE OBSERVED CORONAL KINK INSTABILITY AND ITS IMPLICATIONS FOR THE SDO/AIA, **A. K. Srivastava, G. J. J. Botha, T. D. Arber & P. Kayshap**, *ASR* **52**, 15, 2013.
1251. RETRIEVAL OF AEROSOL EXTINCTION PROFILE: STUDY BY USING GROUND BASED LODAR AND SUN-PHOTOMETER, **K. Reddy, Y. N. Ahammed & D. V. Phani Kumar**, *IJERT* **2**, 1, 2013.
1252. CORE-COLLAPSE SUPERNOVAE AND GAMMA-RAY BURSTS IN TMT ERA, **S. B. Pandey**, *JAA* **34**, 157, 2013.
1253. THE THIRTY METER TELESCOPE OBSERVATORY GENNEXT, **R. Sagar**, *JAA* **34**, 75, 2013.
1254. TEMPORAL VARIABILITY AND RADIATIVE IMPACT OF BLACK CARBON AEROSOL OVER TROPICAL URBAN STATION HYDERABAD, **U. C. Dumka, R. K. Manchand, P. R. Sinha, S. Sreenivasan, K. K. Moorthy & S. S. Babu**, *JASTP* **105-106**, 81, 2013.
1255. VARIABILITY IN OZONE AND ITS PRECURSORS OVER THE BAY OF BENGAL DURING POST MONSOON: TRANSPORT AND EMISSION EFFECTS, **C. Mallik, S. Lal, S. Venkataramani, M. Naja & N. Ojha**, *JGR:Atmo* **118**, 1, 2013.
1256. FLUX EMERGENCE, FLUX IMBALANCE, MAGNETIC FREE ENERGY AND SOLAR FLARES, **D. P. Choudhary, et al. (including W. Uddin, A. K. Srivastava, N. C. Joshi & P. Kashyap)**, *ASR* **52**, 1561, 2013.
1257. DEVASTHAL FAST OPTICAL TELESCOPE OBSERVATIONS OF WORLD-RAYET DWARF GALAXY MRK 996, **S. Jaiwal & A. Omar**, *JAA* **34**, 247, 2013.
1258. ON THE PHOTOMETRIC ERROR CALIBRATION FOR THE DIFFERENTIAL LIGHT CURVES OF POINT-LIKE ACTIVE GALACTIC NUCLEI, **A. Goyal, et al. (including R. Sagar)**, *JAA* **34**, 273, 2013.
1259. X6.9-CLASS FLARE-INDUCED VERTICAL KINK OSCILLATIONS IN LARGE-SCALE PLASMA CURTAIN AS OBSERVED BY THE SOLAR DYNAMICS OBSERVATORY /ATMOSPHERIC IMAGING ASSEMBLY, **A. K. Srivastava & M. Goossens**, *ApJ* **777**, 17, 2013.
1260. IMPROVED CHARACTERIZATION OF INTRANIGHT OPTICAL VARIABILITY OF PROMINENT AGN CLASSES, **A. Goyal, Gopal-Krishna, P. J. Witta, C. S. Stalin & R. Sagar**, *MNRAS* **435**, 1300, 2013.
1261. THE 72-H WEBT MICROVARIABILITY OBSERVATION OF BLAZER S5 0716+714 IN 2009, **G. Bhatta, et al. (including A. G. Gupta & R. Sagar)**, *AA* **558**, A92, 2013.
1262. SN 2007UY-METAMORPHOSIS OF AN ASPHERIC TYPE IB EXPLOSION, **R. Roy, et al. (including Brijesh Kumar, S. Nandi, K. Mishra, Brajesh Kumar, S. B. Pandey & R. Sagar)**, *MNRAS* **434**, 2032, 2013.

1263. SUPERNOVA 2012AW - A HIGH ENERGY CLONE OF ARCHETYPAL TYPE IIP SN 1999EM, **S. Bose, et al.(including Brajesh Kumar, Brijesh Kumar, R. Roy, S. B. Pandey, R. Sagar & K. Mishra)**, *MNRAS* **433**, 1871, 2013.
1264. STUDY OF JET PROPERTIES AROUND COMPACT OBJECT WITH THE CHANGE IN ACCRETION DISC PARAMETERS, **R. Kumar, I. Chattopadhyay & S. Mandal**, *ASI Conf. Series* **8**, 147, 2013.
1265. ACCRETION DISC SPECTRUM IN PRESENCE OF MASS OUTFLOW AROUND BLACK HOLES, **S. Mandal, R. Kumar & I. Chattopadhyay**, *ASI Conf. Series* **8**, 45, 2013.
1266. FORMATION OF NON-STEADY OUTFLOWS AND QPOs AROUND BLACK HOLE, **S. Das, I. Chattopadhyay & A. Nandi**, *ASI Conf. Series* **8**, 31, 2013.
1267. VISCOUS ACCRETION DISC AROUND BLACK HOLES WITH VARIABLE ADIABATIC INDEX, **I. Chattopadhyay & R. Kumar**, *ASI Conf. Series* **8**, 19, 2013.
1268. EVIDENCE OF MULTIPLE SLOW ACOUSTIC OSCILLATIONS IN THE STELLAR FLARING LOOPS OF PROXIMA CENTAURI, **A. K. Srivastava, S. Lalitha & J. C. Pandey**, *APJL* **778**, L28, 2013.
1269. EFFECT OF THE FLOW COMPOSITION ON OUTFLOW RATES FROM ACCRETION DISCS AROUND BLACK HOLES, **Rajiv Kumar, C. B. Singh, I. Chattopadhyay & S. K. Chakrabarti**, *MNRAS* **436**, 2864, 2013.
1270. IONOSPHERIC RESPONSE TO TOTAL SOLAR ECLIPSE OF 22 JULY 2009 IN DIFFERENT INDIAN REGION, **Sanjay Kumar, A. K. Singh & R. P. Singh**, *AG* **31**, 1549, 2013.
1271. POLARIMETRIC STUDIES OF COMET C/2009 P1 (GARRADD), **H. S. Das, B. J. Medhi, S. Wolf, G. Bertrang, P. D. Roy & A. Chakraborty**, *MNRAS* **436**, 3500, 2013.
1272. X-RAY OBSERVATIONS OF EIGHT YOUNG OPEN STAR CLUSTERS: I. MEMBERSHIP AND X-RAY LUMINOSITY, **H. Bhatt, J. C. Pandey, K. P. Singh, R. Sagar & Brijesh Kumar**, *JAA* **34**, 393, 2013.
1273. SDO/AIA OBSERVATIONS OF A PARTIALLY ERUPTING PROMINENCE, **D. Tripathi, K. K. Reeves, S. E. Gibson, A. K. Srivastava & N. C. Joshi**, *APJ* **778**, 142, 2013.
1274. INTRANIGHT OPTICAL VARIABILITY OF RADIO-LOUD BROAD ABSORPTION LINE QUASARS, **Gopal-Krishna, R. Joshi & H. Chand**, *MNRAS* **429**, 1717, 2013.
1275. SIGNATURE OF OUTFLOWS IN STRONG MG II ABSORBERS IN QUASAR SIGHTLINES, **M. Sharma, B. B. Nath & H. Chand**, *MNRAS* **431**, L93, 2013.
1276. DEPENDENCE OF RESIDUAL ROTATION MEASURE (RRM) ON INTERVENING MG II ABSORBERS AT COSMIC DISTANCE, **R. Joshi & H. Chand**, *MNRAS* **434**, 3566, 2013.
1277. PHOTOMETRIC STUDY OF GALACTIC OPEN CLUSTER NGC 2129, NGC 1502 AND KING 12, **A. Tripathi, U. S. Pandey & Brijesh Kumar**, *BASI* **41**, 209, 2013.
1278. AEROSOL VERTICAL PROFILES STRONGLY AFFECT THEIR RADIATIVE FORCING UNCERTAINTIES: STUDY BY USING GROUND-BASED LIDAR AND OTHER MEASUREMENTS, **K. Reddy, D. V. Phani Kumar, Y. N. Ahammed & N. Naja**, *Remote Sens. Letts.* **5**, 277, 2013.

1279. INTRANIGHT OPTICAL VARIABILITY OF RADIO-QUIET WEAK EMISSION LINE QUASARS, **Gopal-Krishan, R. Joshi & H. Chand**, *MNRAS* **430**, 1302, 2013.
1280. IONOSPHERIC RESPONSE TO TOTAL SOLAR ECLIPSE OF 22 JULY 2009 IN DIFFERENT INDIAN REGIONS, **S. Kumar, A. K. Singh & R. P. Singh**, *Ann. Geophys.* **31**, 1549, 2013.
1281. THE STELLAR CONTENT OF THE YOUNG OPEN CLUSTER TRUMPLER 37, **R. Errmann et. al. (including A. K. Pandey)**, *Astron. Nachr.* **334**, 673, 2013.
1282. POLARIMETRIC OBSERVATION OF COMET C/2009 P1 GARRADD, **A. D. Roy, A. Chakraborty, H. S. Das, B. J. Medhi, S. Wolf & G. Bertrang**, *Emerging Areas of Research and Development in Chemical and Physical Sciences in North East India*, (pp3-7). Assam: Silchar Sungraphics.
1283. YOUNG STELLAR POPULATION AND ONGOING STAR FORMATION IN THE HII COMPLEX SH2-252, **J. Jose, A. K. Pandey, M. R. Samal, D. K. Ojha, K. Ogura, J. S. Kim, N. Kobayashi, A. Goyal, N. Chauhan & C. Eswaraiah**, *MNRAS* **432**, 3445, 2013.
1284. PHOTOMETRIC STUDY OF FIVE OPEN STAR CLUSTERS, **S. Lata, A. K. Pandey, S. Sharma, C. Bonatto & R. K. Yadav**, *NA* **26**, 77, 2014.
1285. VARIABLE STARS IN THE GLOBULAR CLUSTER NGC 4590 (M68), **D. P. Sariya, S. Lata & R. K. S. Yadav**, *NA* **27**, 56, 2014.
1286. POPULATION I CEPHEIDS AND STAR FORMATION HISTORY OF THE LARGE MAGELLANIC CLOUD, **Y. C. Joshi & S. Joshi**, *NA* **28**, 27, 2014.
1287. PHOTOMETRIC STUDY OF THE OPEN CLUSTER-II. STELLAR POPULATION AND DYNAMICAL EVOLUTION IN NGC 559, **Y. C. Joshi, L. A. Balona, S. Joshi & B. Kumar**, *MNRAS* **437**, 804, 2014.
1288. ANTICORRELATED OPTICAL FLUX AND POLARIZATION VARIABILITY IN BL LAC, **H. Gaur, A. C. Gupta, P. J. Wiita, M. Uemura, R. Itoh & M. Sasad**, *APJL* **781**, L4, 2014.
1289. RADIATIVELY AND THERMALLY DRIVEN SELF-CONSISTENT BIPOLAR OUTFLOWS FROM ACCRETION DISC AROUND COMPACT OBJECT, **Rajiv Kumar, I. Chattopadhyay & S. Mandal**, *MNRAS* **437**, 2992, 2014.
1290. IMPULSIVELY GENERATED LINEAR AND NON-LINEAR ALFVÉN WAVES IN THE CORONAL FUNNELS, **P. Chmielewski, A. K. Srivastava, K. Murawski & Z. E. Musielak**, *Acta Physica Polonica A* **125**, 158, 2014.
1291. DYNAMICAL MODELING AND RESONANCE FREQUENCY ANALYSIS OF 3.6-M OPTICAL TELESCOPE PIER, **P. Gatakin & Brijesh Kumar**, *Int. Jr. Structural and Civil Engineering Research* **3**, 1, 2014.
1292. ESTIMATION OF THE MIXING LAYER HEIGHT OVER A HIGH ALTITUDE SITE IN CENTRAL HIMALAYAN REGION BY USING DOPPLER LIDAR, **K. K. Shukul, D. V. Phanikumar, R. K. Newsom, K. N. Kumar, M. V. Ratnam, N. Naja & N. Singh**, *JASTP* **109**, 48, 2014.

1293. FIRST SIMULTANEOUS MEASUREMENTS OF OZONE, CO AND NO_y AT A HIGH-ALTITUDE REGIONAL REPRESENTATIVE SITE IN THE CENTRAL HIMALAYAS, **T. Sarangi, M. Naja, N. Ojha, R. Kumar, S. Lal, S. Venkataramani, A. Kumar, R. Sagar & H. C. Chandola**, *JGR:Atm* **119**, 1, 2014.
1294. SIGNATURES OF ROSSBY WAVE MODULATION IN AEROSOL OPTICAL DEPTH OVER THE CENTRAL HIMALAYAN REGION, **D. V. Phanikumar, et al. (including K. K. Shukla, H. Joshi & M. Naja)**, *AG* **32**, 175, 2014.
1295. CHARACTERIZATION OF THE PRAESEPE STAR CLUSTER BY PHOTOMETRY AND PROPER MOTIONS WITH 2MASS, PPMX2 AND PAN-STARRS, **P. F. Wang, et al. (including A. K. Pandey)**, *ApJ* **784**, 57, 2014.
1296. ADDITIONAL POLARIZED STANDARDS IN THE FIELDS OF KNOWN BRIGHT STANDARD STARS, **A. Soam, G. Maheswar & C. Eswaraiah**, *ASS* **350**, 251, 2014.
1297. APEX DETERMINATION AND DETECTION OF STELLAR CLUMPS IN THE OPEN CLUSTER M 67, **S.V. Vereshchagin, N.V. Chupina, Devesh P. Sariya, R. K. S. Yadav & Brijesh Kumar**, *NA* **31**, 43, 2014.
1298. ON THE PROCESSES INFLUENCING THE VERTICAL DISTRIBUTION OF OZONE OVER THE CENTRAL HIMALAYAS: ANALYSIS OF YEARLONG OZONESONDE OBSERVATIONS, **N. Ojha, M. Naja, T. Sarangi, R. Kumar, P. Bhardwaj, S. Lal, S. Venkataramani, R. Sagar, A. Kumar & H. C. Chandola**, *AE* **88**, 201, 2014.
1299. LATITUDINAL VARIATION OF AEROSOL PROPERTIES FROM INDO- GANGETIC PLAIN TO CENTRAL HIMALAYAN FOOTHILLS DURING TIGERZ CAMPAIGN, **U. C. Dumka, et al. (including R. Sagar)**, *JGR:Atm* **119**, 1, 2014.
1300. INTERACTION OF A GALACTIC WIND WITH HALO GAS AND THE ORIGIN OF MULTIPHASE EXTRAPLANAR MATERIAL, **M. Sharma, B. B. Nath, I. Chattopadhyay & Y. Shchekinov**, *MNRAS* **441**, 431, 2014.
1301. IN-SITU MEASUREMENTS OF AEROSOL PROPERTIES AND ESTIMATES OF RADIATIVE FORCING EFFICIENCY OVER GANGETIC-HIMALAYAN REGION DURING THE GVAX FIELD CAMPAIGN, **U. C. Dumka & D. G. Kaskaoutis**, *AE* **94**, 96, 2014.
1302. X-RAY FLARES OBSERVED FROM SIX YOUNG STARS LOCATED IN THE REGION OF STAR CLUSTERS NGC 869 AND IC 2602, **H. Bhatt, J. C. Pandey, K. P. Singh, R. Sagar & Brijesh Kumar**, *JAA* **35**, 39, 2014.
1303. PRE-MAIN SEQUENCE POPULATION IN NGC 1893 REGION: X-RAY PROPERTIES, **A. K. Pandey, et al. (including R. K. Yadav, S. Lata & J. C. Pandey)**, *NA* **29**, 18, 2014.
1304. PHASE-RESOLVED XMM-NEWTON AND SWIFT OBSERVATIONS OF WR 25, **J. C. Pandey, S. B. Pandey & S. Karmakar**, *ApJ* **29**, 18, 2014.
1305. CONFINED PARTIAL FILAMENT ERUPTION AND ITS REFORMATION WITHIN A STABLE MAGNETIC FLUX ROPE, **N. C. Joshi, A. K. Srivastava, B. Filippov, P. Kayshap, W. Uddin, R. Chandra, D. P. Choudhary & B. N. Dwivedi**, *ApJ* **787**, 11, 2014.

1306. BROAD-BAND POLARIMETRIC FOLLOW-UP OF TYPE IIP SN 2012 AW, **Brajesh Kumar, S. B. Pandey, C. Eswaraiah & J. Gorosabel**, *MNRAS* **442**, 2, 2014.
1307. STRUCTURE AND MASS FUNCTION OF THREE YOUNG OPEN CLUSTERS, **A. Tripathi, U. S. Pandey & Brijesh Kumar**, *NA* **29**, 1, 2014.
1308. PERIODIC MASS LOSS FROM VISCOUS ACCRETION FLOWS AROUND BLACK HOLES, **S. Das, I. Chattopadhyay, A. Nandi & D. Molteni**, *MNRAS* **442**, 251, 2014.
1309. SIGNATURES OF ULTRA FAST KELVIN WAVES IN LOW LATITUDE IONOSPHERIC TEC DURING JANUARY 2009 STRATOSPHERIC WARMING EVENT, **D. V. Phanikumar, K. N. Kumar & S. Kumar, Jr.** *Atmos. & Terr. Phy.* **117**, 48, 2014.
1310. DISCOVERY OF A RED QUASAR WITH RECURRENT ACTIVITY, **S. Nandi, et al. (including M. Singh & R. Joshi)**, *ApJ* **789**, 16, 2014.
1311. EFFECTS OF DUST AEROSOLS ON TROPOSPHERIC CHEMISTRY DURING A TYPICAL PRE-MONSOON SEASON DUST STORM IN NORTHERN INDIA, **R. Kumar, et al. (including M. Naja, N. Ojha & T. Sarangi)**, *Atmos. Chem. Phys.* **14**, 6813, 2014.
1312. DISTANCE DETERMINATION TO EIGHT GALAXIES USING EXPANDING PHOTOSPHERE METHOD, **Subhash Bose & Brijesh Kumar**, *ApJ* **782**, 98, 2014.
1313. INTRANIGHT OPTICAL VARIABILITY OF RADIO-QUIET WEAK EMISSION LINE QUASARS II, **H. Chand, Parveen Kumar & Gopal-Krishan**, *MNRAS* **441**, 726, 2014.
1314. INVESTIGATION OF THE STELLAR CONTENT IN THE WESTERN PART OF THE CARINA NEBULA, **Brajesh Kumar, S. Sharma, J. Manfroid, E. Gosset, G. Rauw, Y. Naze & R. K. Yadav**, *AA* **567**, A109, 2014.
1315. EFFECT OF CLOUD REFLECTION ON DIRECT AEROSOL RADIATIVE FORCING: A MODELING STUDY BASED ON LIDAR OBSERVATIONS, **K. Reddy, Y. N. Ahammed & D. V. Phani Kumar**, *Remote Sens. Letts.* **5**, 277, 2014.
1316. MAIN-SEQUENCE VARIABLE STARS IN YOUNG OPEN CLUSTER NGC 1893, **S. Lata, Ram Kesh Yadav, A. K. Pandey, A. Richichi, C. Eswaraiah, Brajesh Kumar, N. Kappelmann & S. Sharma**, *MNRAS* **442**, 273, 2014.
1317. THE PECULIAR RADIO-LOUD NARROW LINE SEYFERT 1 GALAXY 1H 0323+342, **V. S. Paliya, S. Sahayanathan, M. L. Parker, A. C. Fabian, C. S. Stalin, A. Anjum & S. B. Pandey**, *ApJ* **789**, 143, 2014.
1318. WRF-CHEM SIMULATIONS OF TYPICAL PRE-MONSOON DUST STORM IN NORTHERN INDIA: INFLUENCES ON AEROSOL OPTICAL PROPERTIES AND RADIATION BUDGET, **R. Kumar, M. C. Barth, G. G. Pfister, M. Naja & G. P. Brasseur**, *Atmos. Chem. Phys.* **14**, 2431, 2014.
1319. DISSIPATIVE ADVECTIVE ACCRETION DISC SOLUTIONS WITH VARIABLE ADIABATIC INDEX AROUND BLACK HOLES, **R. Kumar & I. Chattopadhyay**, *MNRAS* **443**, 3444, 2014.

1320. EQUATORIAL IONOSPHERIC ANOMALY (EIA) AND COMPARISON WITH IRI MODEL DURING DESCENDING PHASE OF SOLAR ACTIVITY (2005-2009), **S. Kumar, A. K. Singh & J. Lee.**, *ASR* **53**, 724, 2014.
1321. UNVEILING THE NATURE OF AN X-RAY FLARE FROM 3XMM J014528.9 + 610729: A CANDIDATE SPIRAL GALAXY, **H. Bhatt, S. Bhattacharyya, N. Bhatt & J. C. Pandey**, *MNRAS* **444**, 2270, 2014.
1322. PHOTOMETRIC AND POLARIMETRIC STUDIES OF THREE W UMA-TYPE BINARIES: FZ ORI, V407 AND LP UMA, **V. Prasad, J.C. Pandey, M. K. Patel & D. C. Srivastava**, *APSS* **353**, 575, 2014.
1323. SPECTRAL ENERGY DISTRIBUTIONS OF THE BL LAC PKS 2155 304 FROM XMM NEWTON, **J. Bhagwan, A. C. Gupta, I. E. Papadakis & P. J. Wiita**, *MNRAS* **444**, 3647, 2014.
1324. ON THE POSSIBILITIES OF MASS LOSS FORM AN ADVECTIVE ACCRETION DISC AROUND STATIONARY BLACK HOLES, **S. Das, I. Chattopadhyay, A. Nandi & B. Sarkar**, *BASI* **42**, 39, 2014.
1325. LOW-MID LATITUDE D-REGION IONOSPHERIC PERTURBATIONS ASSOCIATED WITH 22 JULY 2009 TOTAL SOLAR ESCLIPSE: WAVE-LIKE SIGNATURES INFERRED FROM VLF OBSERVATIONS, **A. K. Maurya, et al. (including D. V. Phanikumar)**, *JGR:Space Phy* **119**, 1, 2014.
1326. LIDAR OBSERVATIONS OF THE VERTICAL DISTRIBUTION OF AEROSOLS IN FREE TROPOSPHERE: COMPARISON WITH CALIPSO LEVEL-2 DATA OVER THE CENTRAL HIMALAYAS, **R. Solanki & N. Singh**, *AE* **99**, 227, 2014.
1327. OPTICAL SPECTRAL VARIABILITY OF BLAZARS, **H. Gaur**, *JAA* **35**, 241, 2014.
1328. QUASI PERIODIC OSCILLATIONS IN BLAZARS, **A. C. Gupta**, *JAA* **35**, 307, 2014.
1329. YOUNG STELLAR POPULATION OF BRIGHT-RIMMED CLOUDS BRC 5, BRC 7 AND BRC 39, **N. Panwar, W. P. , Chen, A. K. Pandey, M. R. Samal, K. Ogura, D. K. Ojha & B. C. Bhatt**, *MNRAS* **443**, 1614, 2014.
1330. NGC 7538: MULTIWAVELENGTH STUDY OF STELLAR CLUSTER REGIONS ASSOCIATED WITH IRS 13 AND IRS 9 SOURCES, **K. K. Mallick, D. K. Ojha, M. Tamura, A. K. Pandey, S. Dib, S. K. , Ghosh, . . . M. Tsujimoto,**, *MNRAS* **443**, 3218, 2014.
1331. THE MOLECULAR COMPLEX ASSOCIATED WITH THE GALACTIC HII REGION SH2-90: A POSSIBLE SITE OF TRIGGERED STAR FORMATION, **M. R. Samal, A. Zavagno, L. Deharveng, S. Molinari, D. K. Ojha, D. Paradis, J. Tige, A. K. Pandey & D. Russeil**, *AA* **466**, A122, 2014.
1332. C IV ABSORPTION-LINE VARIABILITY IN X-RAY-BRIGHT BROAD ABSORPTION-LINE QUASI-STELLAR OBJECTS, **R. Joshi, H. Chand, R. Srianand & J. Majumdar**, (*MNRAS* **442**, 862, 2014.
1333. THE GLOBULAR CLUSTER SYSTEM OF NGC 1316. III. KINEMATIC COMPLEXITY, **T. Richtler, M. Hilker, B. Kumar, L. P. Bassino, M. gomez & Dirsch**, *AA* **569**, A41, 2014.

1334. RESPONSE OF THE MID-LATITUDE D-REGION IONOSPHERE TO THE TOTAL SOLAR ECLIPSE OF 22 JULY 2009 STUDIED USING VLF SIGNALS IN SOUTH KOREAN PENINSULA, **D. V. Phanikumar, et al.**, *Adv. Space. Res.* **54**, 961, 2014.
1335. CHARACTERISTICS OF THE E- AND F-REGION FIELD-ALIGNED IRREGULARITIES IN MIDDLE LATITUDES: INITIAL RESULTS OBTAINED FROM THE DAEJEON 40.8 MHz VHF RADAR IN SOUTH KOREA, **Y. S. Kwak, et al. (including D. V. Phanikumar)**, *JASS* **31**, 15, 2014.
1336. WAVES-LIKE SIGNATURES IN THE D-REGION IONOSPHERE GENERALTED BY SOLAR PHYSICS, **A. K. Maurya, R. Singh, S. Kumar, D. V. Phanikumar & B. Veenathari**, *IEEE Conf.* **1**, 1, 2014.
1337. DIURNAL VARIATION OF AEROSOL OPTICAL DEPTH OVER CENTRAL HIMALAYAN REGION, **U. C. Dumka, D. G. Kaskaoutis, M. K. Srivastava & P. C. S. Devara**, *Proceeding of Indian Aerosol Science and Technology Association* **21**, 122, 2014.
1338. TEMPORAL VARIABILITY IN BLACK CARBON MASS CONCENTRATION OVER GANGETIC HIMALAYAN REGION, **U. C. Dumka, et al.**, *Proceeding of Indian Aerosol Science and Technology Association* **21**, 125, 2014.
1339. LIGHT SCATTERING ENHANCEMENT FACTOR OVER AN ELEVATED SITE IN CENTRAL HIMALAYAN REGION, **U. C. Dumka, D. G. Kaskaoutis, M. K. Srivastava & P. C. S. Devara**, *Proceeding of Indian Aerosol Science and Technology Association* **21**, 128, 2014.
1340. SISTAN DUST STORMS AND INFLUENCE OVER ARABIAN SEA AND INDIAN SUBCONTINENT, **D. G. Kaskaoutis, E. E. Houssos, A. Rashki, U. C. Dumka & A. Bartzokas**, *Proceeding of Indian Aerosol Science and Technology Association* **21**, 200, 2014.
1341. VERTICAL DISTRIBUTION OF AEROSOL EXTINCTION OVER ASTRONOMICAL SITES IN INDIA, **U. C. Dumka, et al. (including R. Sagar)**, *Proceeding of Indian Aerosol Science and Technology Association* **21**, 433, 2014.
1342. TIME RESOLVED PHOTOMETRIC AND SPECTROSCOPIC ANALYSIS OF CHEMICALLY PECULIAR STARS, **S. Joshi, G. C. Joshi, Y. C. Joshi & R. Aggrawal**, *Proceedings IAU Symposium* **307**, 218, 2014.
1343. THE OPTICAL LUMINOSITY FUNCTION OF GAMMA-RAY BURSTS DEDUCED FROM ROTSE-III OBSERVATIONS, **X. H. Cui, et al. (including S. B. Pandey)**, *Ap. J.* **795**, 103 (6pp), 2014.
1344. GRB 120422A/SN 2012BZ: BRIDGING THE GAP BETWEEN LOW- AND HIGH-LUMINOSITY GAMMA-RAY BURSTS, **S. Schulze, et al. (including S. B. Pandey)**, *AA* **566**, A102, 2014.
1345. THE DARK NATURE OF GRB 130528A AND ITS HOST GALAXY, **S. Jeong, et al. (including S. B. Pandey)**, *AA* **569**, A93, 2014.
1346. HOMOLOGOUS FLARE-CME EVENTS AND THEIR METRIC TYPE II RADIO BURST ASSOCIATION, **S. Yashiro, et al. (including S. B. Pandey)**, *ASR* **54**, 1941, 2014.
1347. NEW GALACTIC STAR CLUSTERS DISCOVERED IN THE VVV SURVEY. CANDIDATES PROJECTED ON THE INNER DISK AND BULGE, **J. Borissova, et al. (including S. Sharma)**, *AA*, **569**, A24, 2014.

1348. HUBBLE SPACE TELESCOPE OBSERVATIONS OF THE AFTERGLOW, SUPERNOVA, AND HOST GALAXY ASSOCIATED WITH THE EXTREMELY BRIGHT GRB 130427A, **A. J. Levan, et al. (including K. Misra)**, *Ap.J.* **792**, 115 (6pp), 2014.
1349. MULTICOLOUR CCD PHOTOMETRIC STUDY OF GALACTIC STAR CLUSTERS SAI 63 AND SAI 75, **R. K. S. Yadav, S. I. Leonova, R. Sagar & E. V. Glushkova**, *JAA* **35**, 35, 2014.
1350. AN EARLY SOUTH ASIAN DUST STORM DURING MARCH 2012 AND ITS IMPACTS ON INDIAN HIMALAYAN FOOTHILLS: A CASE STUDY, **A. K. Srivastava, et al. (including N. Singh)**, *Science of Total Envir.* **493**, 526, 2014.
1351. MULTIWAVELENGTH DIAGNOSTICS OF THE PRECURSOR AND MAIN PHASES OF AN M1.8 FLARE ON 2011 APRIL 22, **A. K. Awasthi, et al. (including W. Uddin)**, *MNRAS* **437**, 2249, 2014.
1352. STUDY OF OZONE AND NO₂ OVER GADANKI- A RURAL SITE IN SOUTH INDIA, **K. Renuka, et al. (including M. Naja)**, *Jr. Atmos. Chem.* **71**, 95, 2014.
1353. TRANSPORT EFFECTS ON THE VERTICAL DISTRIBUTION OF TROPOSPHERIC OZONE OVER WESTERN INDIAN, **S. Lal, S., Chandra, N. Venkataramani, O. R. Cooper, J. Brioude & M. Naja**, *JGR: Atmospheres* **119**, 10012, 2014.
1354. SO₂ MEASUREMENTS AT HIGH ALTITUDE SITE IN THE CENTRAL HIMALAYAS: ROLE OF REGIONAL TRANSPORT, **Naja, M., Mallik, C., Sarangi, T., Sheel, V. Lal, S.**, *AE* **99**, 392, 2014.
1355. SCIENCE AT HIGH-ALTITUDE SITES OF ARIES- ASTROPHYSICS AND ATMOSPHERIC SCIENCES, **R.Sagar, M. Naja, G. Maheswar & A. K. Srivastava**, *Proc. Indian Natn. Sci. Acad.* **80**, 759, 2014.
1356. DEEP OPTICAL SURVEY OF THE STELLAR CONTENT OF SH2-311 REGION, **R. K. Yadav , A. K. Pandey , Saurabh Sharma , J. Jose , K. Ogura , N. Kobayashi, M. R. Samal , C. Eswaraiah & H. C. Chandola**, *NA* **34**, 27, 2015.
1357. IMAGING POLARIMETRY OF COMET C/2012 L2 (LINER), **P. D. Roy, H. S. Das & B. J. Medhi**, *ICARUS* **245**, 241, 2015.
1358. SEARCH FOR TeV γ -RAY EMISSION FROM BLAZER 1Es1218+304 WITH TACTIC TELESCOPE DURING MARCH- APRIL 2013, **K. K. Singh, et al. (including J. Bhagwan & A. C. Gupta)**, *NA* **36**, 1, 2015.
1359. MAGNETIC FIELD STRUCTURE AROUND CORES WITH VERY LOW LUMINOSITY OBJECTS, **A. Soam, G. Maheswar, C. W. Lee, S. Dib, H. C. Bhatt, M. Tamura & G. Kim**, *AA* **573**, A34, 2015.
1360. SEASONAL INHOMOGENEITY IN CLOUD PRECURSORS OVER GANGETIC HIMALAYAN REGION DURING GVAX CAMPAIGN, **U. C. Dumka, D. Bhattu, S. N. Tripathi, D. G. Kaskaoutis & B. L. Madhavan**, *AR* **155**, 158, 2015.
1361. AN X-RAY FLARE FROM 47CAS, **J. C. Pandey & S. Karmakar**, *AJ* **149**, 47, 2015.

1362. INTRANIGHT OPTICAL VARIABILITY OF RADIO-QUIET WEAK EMISSION LINE QUASARS II, **Praveen Kumar, Gopal-Krishna & H. Chand**, *MNRAS* **448**, 1463, 2015.
1363. SCATTERING AND ABSORPTION PROPERTIES OF NEAR-SURFACE AEROSOL OVER GANGTIC-HIMALAYAN REGION: THE ROLE OF BOUNDARY-LAYER DYNAMICS AND LONG-RANGE TRANSPORT, **U. C. Dumka, D. G. Kaskaoutis, M. K. Srivastava & P. C. S. Devara**, *Atmos. Chem. Phys.* **15**, 1555, 2015.
1364. THE OPTICAL REBRIGHTENING OF GRB 100814A: AN INTERPLAY OF FORWARD AND REVERSE SHOCKS?, **M. D. Pasquale, et al. (including S. B. Pandey)**, *MNRAS* **449**, 1024, 2015.
1365. INTRA-SEASONAL VARIABILITY OF BLACK CARBON AEROSOLS OVER A COAL FIELD AREA AT DHANBAD, INDIA, **S. Singh, et al. (including U. C. Dumka)**, *AR* **161-162**, 25, 2015.
1366. CARBONACEOUS AEROSOLS AND POLLUTANTS OVER DELHI URBAN ENVIRONMENT: TEMPORAL EVOLUTION, SOURCE APPORTIONMENT AND RADIATIVE FORCING, **D. S. Bisht, et al. (including U. C. Dumka)**, *Science of the Total Environment* **521-522**, 431, 2015.
1367. FIRST OPTICAL AND NEAR-INFRARED POLARIMETRY OF A MOLECULAR CLOUD FORMING A PROTO-BROWN DWARF CANDIDATE, **A. Soam, J. Kwon, G. Maheswar, M. Tamura & C. W. Lee**, *ApJL* **803**, L20, 2015.
1368. MULTIBAND OPTICAL VARIABILITY STUDIES OF BL LACERTAE, **A. Agarwal A. C. Gupta**, *MNRAS* **450**, 541, 2015.
1369. OBSERVAIONS OF X-RAY FLARESON π^1UMa , **J.C.Pandey**, *ASPConf.Series***494**, 203, 2015.
1370. BASIC PARAMETERS OPEN STAR CLUSTERS DOLIDGE 14 AND NGC 110 IN INFRARED BANDS, **G. C. Joshi, Y. C. Joshi, S. Joshi R. K. Tyagi**, *NA* **40**, 48, 2015.
1371. IMAGING POLARIMETRY OF COMETS C/2013 V1 (BOATTINI) AND 290P/JAGER BEFORE AND AFTER PERIHELION, **P. D. Roy, P. Halder, H. S. Das & B. J. Medhi**, *MNRAS* **450**, 1770, 2015.
1372. SOLAR FLARES INDUCED D-REGION IONOSPHERIC AND GEOMAGNETIC PERTURBATIONS, **R. Selvakumaran, et al. (including D. V. Phanikumar)**, *JASTP* **123**, 102, 2015.
1373. ASTEROSEISMOLOGY OF PULSATING STARS, **S. Joshi & Y. C. Joshi**, *JAA* **36**, 33, 2015.
1374. MULTIBAND VARIABILITY IN THE BLAZAR 3C 273 WITH XMMNEWTON, **N. Kalita, A. C. Gupta, P. J. Witta, J. Bhagwan & K. Duorah**, *MNRAS* **451**, 1356, 2015.
1375. COMPLEX STELLAR SYSTEM ESO65SC03: OPEN CLUSTER OR REMNANT?, **G. C. Joshi, Y. C. Joshi, S. Joshi, S. Chowdhury & R. K. Tyagi**, *PASA* **32**, e022, 2015.
1376. SN 2013EJ: A TYPE IIL SUPERNOVA WITH WEAK SIGNS OF INTERACTION, **S. Bose, et al. (including Brijesh Kumar, K. Misra & Mridweeka Singh)**, *Ap. J.* **806**, 160, 2015.
1377. MULTIBAND OPTICALNIR VARIABILITY OF BLAZARS ON DIVERSE TIME-SCALES, **A. Agarwal, et al. (including A. C. Gupta)**, *MNRAS* **451**, 3882, 2015.

1378. PHOTOMETRIC AND SPECTROSCOPIC ANALYSIS OF CP STARS UNDER INDO-RUSSIAN COLLABORATION, **S. Joshi, E. Semenko, A. Moiseeva, G. C. Joshi, Y. C. Joshi & M. Sackhov**, *ASP Conference Series* **494**, 210, 2015.
1379. RAPID VARIABILITY OF BLAZAR 3C 279 DURING FLARING STATES IN 2013/2014 WITH JOINT FERMI-LAT, NUSTAR, SWIFT, AND GROUND-BASED MULTI-WAVELENGTH OBSERVATIONS, **M. Hayashida, et al. (including A. Agarwal & A. C. Gupta)**, *Ap. J.* **807**, 79, 2015.
1380. METEOROLOGICAL REGIMES MODULATING DUST OUTBREAKS IN SOUTHWEST ASIA: THE ROLE OF PRESSURE ANOMALY AND INTER-TROPICAL CONVERGENCE ZONE ON THE 13 JULY 2014 CASE, **D. G. Kaskaoutis, a. Rashki, P. Francois, U. C. Dumka, E. E. Houssos & M. Legrand**, *Aeolian Research* **18**, 83, 2015.
1381. FREQUENCY-DEPENDENT CORE SHIFTS AND PARAMETER ESTIMATION FOR THE BLAZAR 3C 454.3, **P. Mohan, et al. (including A. Agarwal & A. C. Gupta)**, *MNRAS* **452**, 2004, 2015.
1382. NATURE OF INTRANIGHT OPTICAL VARIABILITY OF BL LACERATE, **H. Gaur, et al. (including A. C. Gupta)**, *MNRAS* **452**, 4263, 2015.
1383. FORMATION OF A ROTATING JET DURING THE FILAMENT ERUPTION ON 2013 APRIL 10-11, **B. Filippov, et al. (including W. Uddin)**, *MNRAS* **451**, 1117, 2015.
1384. SOLAR MAGNETIC FLUX ROPES, **B. Filippov, et al. (including W. Uddin)**, *JAA* **36**, 157, 2015.
1385. OPTICAL PROPERTIES AND CCN ACTIVITY OF AEROSOLS IN HIGH-ALTITUDE HIMALAYAN ENVIRONMENT: RESULTS FROM RAWES-GVAX, **M. M. Gogoi, et al. (including M. Naja)**, *JGR: Atmospheres* **120**, 2453-2469, 2015.
1386. ARIES, NAINITAL: A STRATEGICALLY IMPORTANT LOCATION FOR CLIMATE CHANGE STUDIES IN THE CENTRAL GANGETIC HIMALAYAN REGION, **R. Sagar, U. C. Dumka, M. Naja, N. Singh D. V. Phanikumar**, *CS* **109**, 703, 2015.
1387. RADIATIVELY DRIVEN RELATIVISTIC JETS WITH VARIABLE ADIABATIC INDEX EQUATION OF STATE, **M. K. Vyas, Rajiv Kumar, S. Mandal I. Chattopadhyay**, *MNRAS* **453**, 2992, 2015.
1388. WAVE LIKE SIGNATURES IN AEROSOL OPTICAL DEPTH AND ASSOCIATED RADIATIVE IMPACTS OVER THE CENTRAL HIMALAYAN REGION, **K. K. Shukla, et al. (including D. V. Phanikumar)**, *JASTP* **133**, 62-66, 2015.
1389. OPTICAL AND RADIO VARIABILITY OF BL LACERATE, **H. Gaur, et al. (including A. C. Gupta & A. Agarwal)**, *AA* **582**, A103, 2015.
1390. EFFECT OF DIURNAL VARIATION OF AEROSOLS ON SURFACE REACHING SOLAR RADIATION, **K. Reddy, D. V. Phanikumar, H. Joshi, Y. Z. Ahammed & M. Naja**, *JASTP* **129**, 62-68, 2015.
1391. MULTIBAND OPTICAL VARIABILITY OF THE BLAZER S5 0716+714 IN OUTBURST STATE DURING 2014-2015, **A. Agarwal, et al. (including A. C. Gupta)**, *MNRAS* **455**, 680-690, 2015.

1392. SN 2013AB: A NORMAL TYPE IIP SUPERNOVA IN NGC 5669, **S. Bose, et al. (including K. Misra, Brijesh Kumar, Brajesh Kumar & S. B. Pandey)**, *MNRAS* **450**, 2373-2392, 2015.
1393. OPTICAL AND X-RAY VARIABILITY BLAZARS, **A. C. Gupta**, *ASI Conf. Series* **12**, 77-78, 2015.
1394. SHORT DURATION GAMMA-RAY BURSTS, **S. B. Pandey**, *ASI Conf. Series* **12**, 153-157, 2015.
1395. PROPER MOTIONS AND MEMBERSHIP PROBABILITIES OF STARS IN THE REGION OF GLOBULAR CLUSTER NGC 6366, **D. P. Sariya & R. K. S. Yadav**, *AA* **584**, A59, 2015.
1396. A SEARCH FOR THE ELUSIVE RADIO-QUIET BL LACS, **Parveen Kumar, H. Chand, Gopal-Krishna & R. Joshi**, *ASI Conf. Series* **12**, 133-134, 2015.
1397. OPTICAL-NIR VARIABILITY OF BLAZARS ON DIVERSE TIMESCALES, **A. Agarwal & A. C. Gupta**, *ASI Conf. Series* **12**, 141-142, 2015.
1398. SEASONAL INHOMOGENEITY OF SOOT PARTICLES OVER THE CENTRAL INDO-GANGETIC PLAINS, INDIA: INFLUENCE OF METEOROLOGY, **B. P. Singh, et al. (including U. C. Dumka)**, *Jr. of Meteorological Research* **29**, 935-949, 2015.
1399. STUDY OF RADIATIVELY DRIVEN OUT-FLOWS AROUND BLACK HOLES UNDER HYDRODYNAMIC AND RELATIVISTIC REGIME, **M. K. Vyas, R. Kumar, S. Mandal & I. Chattopadhyay**, *ASI Conf. Series* **12**, 109-110, 2015.
1400. SELF-CONSISTENT ACCRETION EJECTION SOLUTIONS FROM GENERAL RELATIVISTIC VISCOUS DISCS, **Rajiv Kumar & I. Chattopadhyay**, *ASI Conf. Series* **12**, 93-94, 2015.
1401. 'Q' FACTORS IN GALACTIC BLACK HOLE SOURCES- A CASE STUDY OF 1999 OUTBURST OF XTE J1859+226, **A. Nandi, S. Mandal, S. Das & I. Chattopadhyay**, *ASI Conf. Series* **12**, 69-72, 2015.
1402. SIMULATIONS OF RELATIVISTIC ASTROPHYSICAL JETS, **I. Chattopadhyay**, *ASI Conf. Series* **12**, 131-132, 2015.
1403. CORE-COLLAPSE SUPERNOVAE AND ITS PROGENITORS, **S. Bose, Brijesh Kumar & K. Misra**, *ASI Conf. Series* **12**, 83-84, 2015.
1404. PALOMA: A MAGNETIC CV BETWEEN POLARS AND INTERMEDIATE POLARS, **A. Joshi & J. C. Pandey**, *ASI Conf. Series* **12**, 127-128, 2015.
1405. THE 130M TELESCOPE AT DEVASTHAL, **S. Sharma & S. Shekhar**, *ASI Conf. Series* **12**, 147-148, 2015.
1406. STAR FORMATION IN THE FILAMENT OF S254-5258 OB COMPLEX: A CLUSTER IN THE PROCESS OF BEING CREATED, **M. R. Samal, et al. (including A. K. Pandey)**, *AA* **581**, A5, 2015.
1407. INFLUENCES OF REGIONAL POLLUTION AND LONG RANGE TRANSPORT OVER HYDERABAD USING OZONE DATA FROM MOZAIC, **S. Srivastava, M. Naja & V. Thouret**, *AE* **117**, 135-146, 2015.

1408. INVESTIGATION OF AEROSOL OPTICAL, PHYSICAL, AND RADIATIVE CHARACTERISTICS OF SEVERE DUST STORM OBSERVED OVER UAE, **G. Bashu, D. V. Phanikumar, K. Kumar Niranjan, T. B. M. J. Ouarda & P. R. Marpu**, *Remote Sensing of Environment* **169**, 404-417, 2015.
1409. PROBING AGN CENTRAL ENGINE AND ITS ENVIRONMENT BASED ON THEIR PHOTOMETRY AND SPECTROSCOPY, **H. Chand & R. Joshi**, *ASI Conf. Series* **12**, 79-80, 2015.
1410. GAMMA-RAY BURST IN SWIFT AND FERMI ERA, **W. Zheng, X. Wu, T. Sakamoto, Y. Urata & S. B. Pandey**, *Adv. in Astronomy* **2015**, 1, 2015.
1411. ANALYTICAL MODELING OF THIRTY METER TELESCOPE OPTICS POLARIZATION, **R. M. Anche, et al. (including S. B. Pandey)**, *Proc. of SPIE* **9654**, 965408-1-8, 2015.
1412. STUDY OF CORE-COLLAPSE SUPERNOVAE WITH THE UPCOMING 4M INTERNATIONAL LIQUID MIRROR TELESCOPE AT DEVASTHAL, NAINITAL, **Brajesh Kumar, et al. (including S. B. Pandey)**, *ASI Conf. Series* **12**, 149-150, 2015.
1413. THIRTY METER TELESCOPE DETAILED SCIENCE CASE:2015, **W. Skidmore, et al. (including S. B. Pandey)**, *Research in Astron. & Astrophy.* **15**, 1945-2140, 2015.
1414. FLUX AND SPECTRAL VARIABILITY OF THE BLAZAR PKS 2155-304 WITH XMM-NEWTON: EVIDENCE OF PARTICLE ACCELERATION AND SYNCHROTRON COOLING, **J. Bhagwan, A. C. Gupta, I. E. Papadakis & P. J. Wiita**, *NA* **44**, 21-28, 2016.
1415. AEROSOL CHEMICAL CHARACTERIZATION AND ROLE OF CARBONACEOUS AEROSOL ON RADIATIVE EFFECT OVER VARANASI IN CENTRAL INDO-GANGETIC PLAIN, **S. Tiwari, et al. (including U. C. Dumka)**, *AE* **125**, 437-449, 2016.
1416. KEPLER LIGHT-CURVE ANALYSIS OF THE BALZAR W2R 1962+42, **P. Mohan, A. C. Gupta, R. Bachev & A. Strigachev**, *MNRAS* **456**, 654-664, 2016
1417. BROAD-BAND POLARIMETRIC INVESTIGATION OF THE TYPE II-PLATEAU SUPERNOVA 2013EJ, **Brajesh Kumar, S. B. Pandey, C. Eswaraiah & K. S. Kawabata**, *MNRAS* **456**, 3157-3167, 2016.
1418. MODULATION OF SURFACE METEOROLOGICAL PARAMETERS BY EXTRATROPICAL PLANETARY-SCALE ROSSBY WAVES, **K. N. Kumar, D. V. Phanikumar, T. B. M. J. Ouarda, M. Rajeevan, M. Naja & K. K. Shukla**, *AG* **34**, 123-132, 2016.
1419. BROAD-BAND LINEAR POLARIZATION IN LATE-TYPE ACTIVE DWARFS, **M. K. Patel, J. C. Pandey, S. Karmakar, D. C. Srivastava & I. S. Savanov**, *MNRAS* **457**, 3178-3190, 2016.
1420. SEASONAL, INTERANNUAL AND LONG-TERM VARIABILITIES IN BIOMASS BURING ACTIVITY OVER SOUTH ASIA, **P. Bhardwaj, M. Naja, R. Kumar & H. C. Chandola**, *Environ. Sci. Pollut. Res.* **23**, 4397-4410, 2016
1421. RECENT IMPROVEMENTS OF THE METEOROLOGICAL RADIATION MODEL FOR SOLAR IRRADIANCE ESTIMATES UNDER ALL-SKY CONDITIONS, **H. D. Kambezidis, B. E. Psiloglou, D. Karagiannis, U. C. Dumka & D. G. Kaskaoutis**, *Renewable Energy* **93**, 142-158, 2016.

1422. MULTIBAND OPTICAL VARIABILITY OF THREE TeV BLAZARS ON DIVERSE TIME-SCALES, **A. C. Gupta, et al. (including A. Agarwal & J. Bhagwan)**, *MNRAS* **458**, 1127-1137, 2016.
1423. DEPENDENCE OF THE SPECTRAL DIFFUSE-DIRECT IRRADIANCE RATIO ON AEROSOL SPECTRAL DISTRIBUTION AND SINGLE SCATTERING ALBEDO, **D. G. Kaskaoutis, H. D. Kambezidis, U. C. Dumka & B. E. Psiloglou**, *AE* **178-179**, 84-94, 2016.
1424. POPULATION I CEPHEIDS AND UNDERSTANDING STAR FORMATION HISTORY OF THE SMALL MAGELLANIC CLOUD, **Y. C. Joshi, A. P. Mohanty & S. Joshi**, *RAA*, **16**, 61 (8pp), 2016.
1425. PHOTOMETRIC STUDIES OF TWO W UMA TYPE VARIABLES IN THE FIELD OF DISTANT OPEN CLUSTER NGC 6866, **Y. C. Joshi, R. Jagirdar & S. Joshi**, *RAA* **16**, 63 (10pp), 2016.
1426. NATURE AND SOURCES OF IONIC SPECIES IN PRECIPITATION ACROSS THE INDO-GANGETIC PLAINS, INDIA, **S. Tiwari, et al. (including U. C. Dumka)**, *AAQR* **16**, 943-957, 2016
1427. RADIO CONTINUUM DETECTION IN BLUE EARLY-TYPE WEAK-EMISSION-LINE GALAXIES, **A. Paswan & A. Omar**, *MNRAS* **459**, 233-238, 2016.
1428. ATMOSPHERIC HEATING DUE TO BLACK CARBON AEROSOL DURING THE SUMMER MONSOON PERIOD OVER BALLIA: A RURAL ENVIRONMENT OVER INDO-GANGETIC PLAIN, **S. Tiwari, et al. (including A. C. Dumka)**, *AE* **178-179**, 393-400, 2016.
1429. MAGNETIC FIELD GEOMETRY OF AN UNUSUAL COMETARY CLOUD GAL 110-13, **N. Sharma, G. Maheswar, A. Soam, C. W. Lee & A. Tej**, *AA* **588**, A45 (14pp), 2016.
1430. MASS FUNCTION STUDY OF OPEN STAR CLUSTERS HAFNER 11 AND CZERNIK 31, **D. Bisht, R. K. S. Yadav & A. K. Durgapal**, *NA* **47**, 19-23, 2016.
1431. PHOTOMETRIC STUDY OF OPEN STAR CLUSTERS IN II QUADRANT: TEUTSCH 1 AND RIDDLE 4, **D. Bisht, R. K. S. Yadav & A. K. Durgapal**, *NA* **42**, 66-77, 2016.
1432. STRUCTURAL STUDIES OF EIGHT BRIGHT RIMMED CLOUDS IN THE SOUTHERN HEMISPHERE, **S. Sharma, et al. (including A. K. Pandey & M. Gopinathan)**, *Ap. J.* **151**, 126 (26pp), 2016.
1433. PHOTOMETRIC AND POLARIMETRIC OBSERVATIONS OF FAST DECLINING TYPE II SUPERNOVAE 2013HJ AND 2014G, **S. Bose, et al. (including Brijesh Kumar, Kuntal Mishra, Brajesh Kumar & Mridweeka Singh)**, *MNRAS* **455**, 2712-2730, 2016.
1434. VARIABLE STARS IN YOUNG OPEN STAR CLUSTER NGC 7380, **S. Lata, A. K. Pandey, N. Panwar, W. P. Chen, M. R. Samal & J. C. Pandey**, *MNRAS* **456**, 2505-2517, 2016.
1435. PRIMARY BLACK HOLE SPIN IN OJ 284 AS DETERMINED BY THE GENERAL RELATIVITY CENTENARY FLARE, **M. J. Valonen, et al. (including M. Gopinathan, A. Joshi & J. C. Pandey)**, *APJL* **819**, 37 (6pp), 2016.
1436. THE OPTICAL IDENTIFICATION OF EVENTS WITH POORLY DEFINED LOCATIONS: THE CASE OF THE FERMI GBM GRB 140801A, **V. M. Lipunov, et al. (including S. B. Pandey)**, *MNARS* **455**, 712-724, 2016.

1437. BROADBAND OBSERVATIONS OF THE GAMMA-RAY EMITTING NARROW LINE SEYFERT 1 GALAXY SBS 0846+513, **V. S. Paliya, B. Rajput, C. S. Stalin & S. B. Pandey**, *Ap. J.* **819**, 121 (6pp), 2016.
1438. INVESTIGATIONS OF AEROSOL BLACK CARBON FROM A SEMI-URBAN SITE IN THE INDO-GANGETIC PLAIN REGION, **H. Joshi, et al. (including M. Naja & P. Bhardwaj)**, *AE* **125**, 346-359, 2016.
1439. FIRST OBSERVATIONS OF LIGHT NON-METHANE HYDROCARBON (C2-C5) OVER A HIGH ALTITUDE SITE IN THE CENTRAL HIMALAYAS, **T. Sarangi, M. Naja, S. Lal, S. Venkataramani, P. Bhardwaj, N. Ojha, R. Kumar & H. C. Chandola**, *AE* **125**, 450-460, 2016.
1440. ESTIMATION OF MASS OUTFLOW RATES FROM VISCOUS RELATIVISTIC ACCRETION DISCS AROUND BLACK HOLES, **I. Chattopadhyay & Rajiv Kumar**, *MNRAS* **459**, 3792-3811, 2016.
1441. THE HOT γ DORADUS AND MAIA STARS, **L. A. Balona, et al. (including Y. C. Joshi & S. Joshi)**, *MNRAS* **460**, 1318-1327, 2016.
1442. DENSE MOLECULAR CORES BEING EXTERNALLY HEATED, **G. Kim, C. W. Lee, M. Gopinathan, Woong-Seob Jeong & Mi-Ryang Kim**, *Ap. J.* **824**, 85, 2016.
1443. THE NAINITAL-CAPE SURVEY IV. A SEARCH FOR PULSATONAL VARIABILITY IN 108 CHEMICALLY PECULIAR STARS, **S. Joshi, et al. (including Y. C. Joshi)**, *AA* **590**, A116, 2016.
1444. VARIATIONS IN THE CLOUD-BASE HEIGHT OVER THE CENTRAL HIMALAYAS DURING GVAX: ASSOCIATION WITH THE MONSOON RAINFALL, **N. Singh, et al. (including R. Solanki, M. Naja, U. C. Dumka, D. V. Phanikumar & R. Sagar)**, *CS* **111**, 109-116, 2016.
1445. HIGH-FREQUENCY VERTICAL PROFILING OF METEOROLOGICAL PARAMETERS USING AMF1 FACILITY DURING RAWEXGVAX AT ARIES, NAINITAL, **M. Naja, et al. (including P. Bhardwaj, N. Singh, P. Kumar & N. Ojha)**, *CS* **111**, 132-140, 2016.
1446. DOPPLER LIDAR OBSERVATIONS OVER A HIGH ALTITUDE MOUNTAINOUS SITE MANORA PEAK IN THE CENTRAL HIMALAYAN REGION, **D. V. Phanikumar, et al. (including K. K. Shukla, M. Naja, N. Singh & R. Sagar)**, *CS* **111**, 101-108, 2016.
1447. INTRANIGHT OPTICAL VARIABILITY OF RADIO-QUIET WEEK EMISSION LINE QUASARS-IV, **Parveen Kumar, H. Chand & Gopal-Krishna**, *MNRAS* **461**, 666-673, 2016.
1448. ARRAY FACTOR OPTIMIZATION OF AN ACTIVE PLANAR PHASED ARRAY USING EVOLUTIONARY ALGORITHM, **S. Bhattacharjee, A. Kumar & M. Naja**, *International Jr. Antennas* **2**, 1-11, 2016.
1449. TIME VARIABILITY OF SURFACE-LAYER CHARACTERISTICS OVER A MOUNTAIN RIDGE IN THE CENTRAL HIMALAYAS DURING THE SPRING SEASON, **R. Solanki, N. Singh, N. V. P. Kiran Kumar, K. Rajeev & S. K. Dhaka**, *BLM* **158**, 453-471, 2016.
1450. LO PEG: SURFACE DIFFERENTIAL ROTATION, FLARES AND SPOT-TOPOGRAPHIC EVOLUTION, **S. Karmakar, et al. (including J. C. Pandey, S. B. Pandey, K. Misra & S. Joshi)**, *MNRAS* **459**, 3112-3129, 2016.

1451. PEAK OF SPECTRAL ENERGY DISTRIBUTION PLAYS AN IMPORTANT ROLE IN INTRA-DAY VARIABILITY OF BLAZARS?, **A. C. Gupta, N. Kalita, H. Gaur & K. Duorah**, *MNRAS* **462**, 1508-1516, 2016.
1452. TETHERED BALLOON-BORN AND GROUND-BASED MEASUREMENTS OF BLACK CARBON AND PARTICULATE PROFILES WITHIN THE LOWER TROPOSPHERE DURING THE FOGGY PERIOD IN DELHI, INDIA, **D. S. Bisht, et al.(including U. C. Dumka)**, *STE* **537**, 894-905, 2016.
1453. STUDY OF OPEN CLUSTERS WITHIN 1.8 KPC AND UNDERSTANDING THE GALACTIC STRUCTURE, **A. Richichi, et al. (including A. K. Pandey & S. Sharma)**, *MNRAS* **464**, 231-236, 2016.
1454. SIMULATIONS OF VISCOUS ACCRETION FLOW AROUND BLACK HOLES IN TWO DIMENSIONAL CYLINDRICAL GEOMETRY, **S-J. Lee, I. Chattopadhyay, R. Kumar, S. Hyung & D. Ryu**, *Ap.J.* **831**, 33, 2016.
1455. PALOMA: A MAGNETIC CV BETWEEN POLARS AND INTERMEDIATE POLARS, **A. Joshi, J. C. Pandey, K. P. Singh & P. C. Agrawal**, *Ap.J.* **830**, 56, 2016.
1456. A SEARCH FOR QPOs IN THE BLAZAR OJ287: PRELIMINARY RESULTS FROM THE 2015/2016 OBSERVING CAMPAIGN, **S. Zola, et al. (including M. Gopinathan, A. Joshi & J. C. Pandey)**, *Galaxies* **4**, 41, 2016.
1457. PHOTOMETRIC OBSERVATIONS OF LO PEG IN 2014-2015, **I. S. Savanov, et al. (including S. Karmakar, S. B. Pandey, S. Joshi & K. Misra)**, *Acta Astronomica* **66**, 381, 2016.
1458. H α IMAGING SURVEY OF WOLF-RAYET GALAXIES: MORPHOLOGIES AND STAR FORMATION RATES, **S. Jaiswal & A. Omar**, *MNRAS* **462**, 92, 2016.
1459. COLUMNAR AEROSOL CHARACTERISTICS AND RADIATIVE FORCING OVER THE DOON VALLEY IN THE SHIVALIK RANGE OF NORTHWESTERN HIMALAYAS, **U. C. Dumka, et al.**, *ESPR* **23**, 25467, 2016.
1460. IS THE β PICTORIS MEMBER GJ 3039AB A PHYSICAL BINARY? WHAT THE ROTATION PERIODS TELL US?, **S. Messina, R. Baves & B. J. Medhi**, *NA* **48**, 5, 2016.
1461. THE ROTATION-LITHIUM DEPLETION CORRELATION IN THE β PICTORIS ASSOCIATION AND THE LDB AGE DETERMINATION, **S. Messina, et al. (including B. J. Medhi)**, *AA* **596**, A29, 2016.
1462. MAGNETIC FIELD GEOMETRY OF THE LARGE GLOBULE CB 34, **A. Das, H. S. Das, B. J. Medhi & S. Wolf**, *APSS* **361**, 381, 2016.
1463. FOG AEROSOL CHARACTERIZATION EXPERIMENTS OVER PANCHGAON, HARYANA, **P. C. S. Devara, et al. (including U. C. Dumka)**, *Proceedings of Indian Aerosol Science and Technology Association* **22**, 195, 2016.
1464. ODD-EVEN SCHEME FOR COMBATING AIR POLLUTION IN AND AROUND DELHI NCR, **P. C. S. Devara, et al. (including U. C. Dumka)**, *Proceedings of Indian Aerosol Science and Technology Association* **22**, 199, 2016.

1465. SCATTERING COEFFICIENT OVER PANCHGAON A REMOTE LOCATION IN NORTHWESTERN INDO-GANGETIC PLAIN, **U. C. Dumka, P. C. S. Devara, D. G. Kaskaoutis & Sarvan Kumar**, *Proceedings of Indian Aerosol Science and Technology Association* **22**, 385, 2016.
1466. INFLUENCE OF METEOROLOGICAL PARAMETERS AND AEROSOL OPTICAL DEPTH ON LIGHTING OVER INDO-GANGETIC PLAIN, **Sarvan Kumar, D. Singh, R. P. Singh, A. K. Singh & U. C. Dumka**, *Proceedings of Indian Aerosol Science and Technology Association* **22**, 392, 2016.
1467. CHARACTERISTICS OF CARBONACEOUS AEROSOLS OVER PANCHGAON A REMOTE LOCATION IN NORTHWESTERN INDO-GANGETIC PLAIN, **U. C. Dumka, et al. (including Sarvan Kumar)**, *Proceedings of Indian Aerosol Science and Technology Association* **22**, 569, 2016.
1468. PARTICULATE MATTER AND BLACK CARBON AEROSOLS DURING WINTER 2015-16 OVER A RURAL STATION, **P. C. S. Devara, M. P. Alam, T. Paul, A. K. Srivastava & U. C. Dumka**, *Proceedings of Indian Aerosol Science and Technology Association* **22**, 655, 2016.
1469. WASP-92B, WASP-93B AND WASP-118B: THREE NEW TRANSITING CLOSE-IN GIANT PLANETS, **K. L. Hay, et al. (including Y. C. Joshi)**, *MNRAS* **463**, 3276, 2016.
1470. CUSTOMIZED OVERHEAD CRANES FOR INSTALLATION OF INDIA'S LARGEST 3.6M OPTICAL TELESCOPE AT DEVASTHAL, NAINITAL, INDIA, **T. Bangia, S. Yadava, Brijesh Kumar, A. S. Ghanti & P. M. Hardikar**, *Proc. of SPIE* **9906**, 990620-1-13, 2016.
1471. A MULTIWAVELENGTH INVESTIGATION OF THE H II REGION S311: YOUNG STELLAR POPULATION AND STAR FORMATION, **R. K. Yadav, et al. (including A. K. Pandey & S. Sharma)**, *MNRAS* **461**, 2502, 2016.
1472. BOUNDARY LAYER EVOLUTION OVER THE CENTRAL HIMALAYAS FROM RADIO WIND PROFILER AND MODEL SIMULATIONS, **N. Singh, et al. (including R. Solanki)**, *ACP* **16**, 10559, 2016.
1473. LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW 150914, **B. P. Abbott, et. al. (including S. B. Pandey)**, *ApJL* **862**, L13 (8pp), 2016.
1474. SUPPLEMENT: LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW 150914 (2016, APJL, 826, L13), **B. P. Abbott, et al. (including S. B. Pandey)**, *ApJLSS* **225**, 8 (8pp), 2016.
1475. SN 2012AA: A TRANSIENT BETWEEN TYPE IBC CORE-COLLAPSE AND SUPERLUMINOUS SUPERNOVAE, **R. Roy, et. al. (including B. Kumar & S. B. Pandey)**, *AA* **596**, A67, 2016.
1476. THE INFRARED IMAGING SPECTROGRAPH (IRIS) FOR TMT: LATEST SCIENCE CASES AND SIMULATIONS, **S. A. Wright, et al. (including S. B. Pandey)**, *Proc. of SPIE* **9909**, 990905-1-15, 2016.
1477. PECULIAR STATIONARY EUV WAVE FRONTS IN THE ERUPTION ON 2011 MAY 11, **R. Chandra, P. F. Chen, A. Fulara, A. K. Srivastava & W. Uddin**, *Ap. J.* **822**, 106, 2016.
1478. INTERACTION OF TWO FILAMENT CHANNELS OF DIFFERENT CHIRALITIES, **N. C. Joshi, B. Filippov, B. Schmieder, T. Magara, Y. Moon & W. Uddin**, *Ap. J.* **825**, 123, 2016.

1479. SYNCHRONIZATION OF OFF-CENTERED DOME AND 3.6M DEVASTHAL OPTICAL TELESCOPE, **M. Gopinathan, S. Sahu, S. Yadava, P. Jangid, B. J. Medhi, P. Rao, B. Kumar, A. Omar & W. Uddin**, *Proc. of SPIE* **9913**, 991340, 2016.
1480. THE FIRST ALUMINUM COATING OF THE 3700 MM PRIMARY MIRROR OF THE DEVASTHAL OPTICAL TELESCOPE, **K. R. Bheemireddy, M. Gopinathan, J. Pant, A. Omar, B. Kumar, W. Uddin & N. Kumar**, *Proc. of SPIE* **9906**, 990644, 2016.
1481. PROBING MAGNETIC FIELDS WITH SQUARE KILOMETER ARRAY AND ITS PRECURSORS, **S. Roy, et al. (including H. Chand)**, *JAA* **37**, 42, 2016.
1482. THE ORIGIN OF UV-OPTICAL VARIABILITY IN AGN AND TEST OF DISC MODELS: XMM-NEWTON AND GROUND-BASED OBSERVATIONS OF NGC 4395, **I. M. McHardy, et al. (including H. Chand)**, *Astron. Nachr.* **337**, 500, 2016.
1483. UBVI PHOTOMETRIC STUDY OF OPEN STAR CLUSTERS RUPRECHT 25 AND CZERNIK 6, **D. Bisht, R. K. S. Yadav & A. K. Durgapal**, *NA* **49**, 1, 2016.
1484. 2MASS PHOTOMETRY AND KINEMATICAL STUDIES OF OPEN CLUSTER NGC 188, **W. H. Elsanhoury, et al. (including R. K. S. Yadav)**, *NA* **49**, 32, 2016.
1485. EXPLOSIVE AND RADIO-SELECTED TRANSIENTS: TRANSIENT ASTRONOMY WITH SQUARE KILOMETRE ARRAY AND ITS PRECURSORS, **P. Chandra, et al. (including K. Misra)**, *JAA* **37**, 30, 2016.
1486. DEAD OR ALIVE? LONG-TERM EVOLUTION OF SN 2015BH (SNHUNT275), **N. Elias-Rosa, et al. (including K. Misra)**, *MNRAS* **463**, 3894, 2016.
1487. ORGANIC AND INORGANIC COMPONENTS OF AEROSOLS OVER THE CENTRAL HIMALAYAS: WINTER AND SUMMER VARIATIONS IN STABLE CARBON AND NITROGEN ISOTOPIC COMPOSITION, **P. Hegde, K. Kawamura, H. Joshi & M. Naja**, *ESPR* **23**, 6102, 2016.
1488. VARIABILITY OF ANTHROPOGENIC GASES: NITROGEN OXIDES, SULFUR DIOXIDE, OZONE AND AMMONIA IN KATHMANDU VALLEY, NEPAL, **F. Kiros, et al. (including M. Naja)**, *AAQR* **16**, 3088, 2016.
1489. EVIDENCE OF ASYMMETRIES IN THE ALDEBARAN PHOTOSPHERE FROM MULTIWAVELENGTH LUNAR OCCULTATIONS, **A. Richichi, et al. (including A. K. Pandey & S. Sharma)**, *MNRAS* **464**, 231, 2017.
1490. MULTI-WAVELENGTH TEMPORAL VARIABILITY OF THE BLAZAR 3C 454.3 DURING 2014 ACTIVITY PHASE, **P. Kushwaha, A. C. Gupta, R. Misra & K. P. Singh**, *MNRAS* **464**, 2046, 2017.
1491. PROBING THE MAGNETIC FIELDS IN L1415 AND L4389, **A. Soam, C. W. Lee, G. Maheswar, S. Kim, S. Neha & Mi-R. Kim**, *MNRAS* **464**, 2403, 2017.
1492. INVESTIGATION OF OPEN CLUSTERS BASED ON IPHAS AND APASS SURVEY DATA, **A. K. Dambis, E. V. Glushkova, L. N. Berdnikov, Y. C. Joshi & A. K. Pandey**, *MNRAS* **465**, 1505, 2017.

1493. MAGNETIC FIELD STRUCTURE OF IC 63 AND IC 59 ASSOCIATED WITH H II REGION SH 185, **A. Soam, G. Maheswar, C. W. Lee, S. Neha & B. G. Andersson**, *MNRAS* **465**, 559, 2017.
1494. OPTICAL AND RADIATIVE PROPERTIES OF AEROSOLS OVER DESALPAR, A REMOTE SITE IN WESTERN INDIA: SOURCE IDENTIFICATION, MODIFICATION PROCESSES AND AEROSOL TYPE DISCRIMINATION, **P. N. Patel, U. C. Dumka, D. G. Kaskaoutis, K. N. Babu & A. K. Mathur**, *STE* **575**, 612, 2017.
1495. ASSESSMENT OF PM_{2.5} AND PM₁₀ OVER GUWAHATI IN BRAHMAPUTRA RIVER VALLEY: TEMPORAL EVOLUTION, SOURCE APPORTIONMENT AND METEOROLOGICAL DEPENDENCE, **S. Tiwari, et al. (including U. C. Dumka)**, *APR* **8**, 13, 2017.
1496. INVESTIGATION OF RECURRENT EUV JETS FROM HIGHLY DYNAMIC MAGNETIC FIELD REGION, **N. C. Joshi, et al. (including W. Uddin)**, *ASS* **362**, 10, 2017.
1497. A REVIEW OF BIOMASS BURING: EMISSIONS AND IMPACTS ON AIR QUALITY, HEALTH AND CLIMATE IN CHINA, **J. Chen, et al. (including U. C. Dumka)**, *STE* **579**, 1000, 2017.
1498. GMRT HI STUDY OF GIANT LOW SURFACE BRIGHTNESS GALAXIES, **Alka Mishra, et al. (including A. Omar)**, *MNRAS* **464**, 2741, 2017.
1499. MULTIBAND OPTICAL VARIABILITY OF THE BLAZAR OJ 287 DURING ITS OUTBURSTS IN 20152016, **A. C. Gupta, et al. (including A. Agarwal, Alka Mishra & Ashwani Pandey)**, *MNRAS* **465**, 4423, 2017.
1500. MULTIWAVELENGTH STUDY OF VHE EMISSION FROM MARKARIAN 501 USING TACTIC OBSERVATIONS DURING APRIL-MAY, 2012., **P. Chandra, et al. (include A. C. Gupta)**, *NA* **54**, 42, 2017.
1501. SEARCH FOR AND STUDY OF PHOTOMETRIC VARIABILITY IN MAGNETIC WHITE DWARFS, **A. F. Valeev, et al. (including Arti Joshi & J. C. Pandey)**, *Ap. B.* **72**, 44, 2017.
1502. METEOROLOGICAL RADIATION MODEL (MRM v6.1): IMPROVEMENTS IN DIFFUSE RADIATION ESTIMATES AND NEW APPROACH FOR IMPLEMENTATION OF CLOUD PRODUCTS, **Kambezidis, H. D., Psiloglou, B. E., Karagiannis, D., Dumka, U. C. Kaskaoutis, D. G.**, *Renewable and sustainable Energy Reviews* **74**, 616, 2017.
1503. BLOWOUT JETS AND IMPULSIVE ERUPTIVE FLARES IN A BALD-PATCH TOPOLOGY, **R. Chandra, et al. (including W. Uddin)**, *AA* **598**, A41, 2017.
1504. THE β PICTORIS ASSOCIATION: CATALOG OF PHOTOMETRIC ROTATIONAL PERIODS OF LOW-MASS MEMBERS AND CANDIDATE MEMBERS, **S. Messina, et al. (including B. J. Mehdì)**, *AA* **600**, A83, 2017.
1505. DESIGN OF VERTICAL DIAL GUIDE FOR FACILITATING MECHANICAL INSPECTION AND QUALITY CONTROL, **P. Chakraborty**, *Proceedings International Conference Advancements in Science and Technology*, 134-136, 2017.
1506. X-RAY SUPERFLARES ON CC ERI, **S. Karmakar, J. C. Pandey, V. S. Airapetian & K. Misra**, *Ap. J.* **840**, 102, 2017.

1507. CORE SHIFT EFFECT IN BLAZARS, **A. Agarwal, et al. (including Alok C. Gupta)**, *MNRAS* **469**, 813, 2017.
1508. A CATALOG OF NARROW LINE SEYFERT 1 GALAXIES FROM THE SLOAN DIGITAL SKY SURVEY DATA RELEASE 12, **S. Rakshit, C. S. Stalin, H. Chand & X. Zhang**, *APJSS* **229**, 39, 2017.
1509. AEROSOL CHARACTERIZATION AND RADIATIVE PROPERTIES OVER KAVARATTI, A REMOTE ISLAND IN SOUTHERN ARABIAN SEA FROM THE PERIOD OF OBSERVATIONS, **P. N. Patel, U. C. Dumka, K. N. Babu & A. K. Mathur**, *STE* **599-600**, 165, 2017.
1510. STELLAR CONTENTS AND STAR FORMATION IN THE NGC 7538 REGION, **S. Sharma, et al. (including A. K. Pandey & J. C. Pandey)**, *MNRAS* **467**, 2943, 2017.
1511. LOW-MASS YOUNG STELLAR POPULATION AND STAR FORMATION HISTORY OF THE CLUSTER IC 1805 IN THE W4 H II REGION, **N. Panwar, et al. (including A. K. Pandey)**, *MNRAS* **468**, 2684, 2017.
1512. UNIQUE ROLL-OFF ROOF FOR HOUSING 1.3 M TELESCOPE AT DEVASTHAL, NAINITAL, **R. Bangia, Jr. Inst. Eng. India Ser. C.** **98**, 359, 2017.
1513. VARIATIONS IN PARTICULATE MATTER OVER INDO-GANGETIC PLAINS AND INDO-HIMALAYAN RANGE DURING FOUR FIELD CAMPAIGNS IN WINTER MONSOON AND SUMMER MONSOON: ROLE OF POLLUTION PATHWAYS, **A. Sen, et al. (including M. Naja)**, *AE* **154**, 200, 2017.
1514. ORIGIN OF X-RAYS IN THE LOW STATE OF THE FSRQ 3C 273: EVIDENCE OF INVERSE COMPTON EMISSION, **N. Kalita, A. C. Gupta, P. J. Witta, G. C. Dewangan & K. Duorah**, *MNRAS* **469**, 3824, 2017.
1515. X-RAY INTRADAY VARIABILITY OF FIVE TEV BLAZARS WITH NUSTAR, **Ashwani Pandey, A. C. Gupta & P. J. Witta**, *Ap. J.* **841**, 123, 2017.
1516. FIRST RESULTS FROM LIGHT SCATTERING ENHANCEMENT FACTOR OVER CENTRAL INDIAN HIMALAYAS DURING GVAX CAMPAIGN, **U. C. Dumka, D. G. Kaskaoutis, R. Sagar, J. Chen, N. Singh & S. Tiwari**, *STE* **605-606**, 124, 2017.
1517. GENERAL RELATIVISTIC STUDY OF ASTROPHYSICAL JETS WITH INTERNAL SHOCKS, **Mukesh K. Vyas & I. Chattopadhyay**, *MNRAS* **469**, 3270, 2017.
1518. ESTIMATION OF BIPOLAR JETS FROM ACCRETION DISCS AROUND KERR BLACK HOLES, **Rajiv Kumar & I. Chattopadhyay**, *MNRAS* **469**, 4221, 2017.
1519. PROBING NEARBY GALACTIC STRUCTURE THROUGH OPEN STAR CLUSTERS, **Y. C. Joshi**, *ASP Conf. Seri.* **510**, 81, 2017.
1520. MULTIWAVELENGTH VARIABILITY STUDY OF THE CLASSICAL BL LAC OBJECT PKS 0735+178 ON TIMESCALES RANGING FROM DECADES TO MINUTES, **A. Goyal, et al. (including S. Joshi)**, *Ap. J.* **837**, 127, 2017.
1521. A PROPER MOTIONS STUDY OF THE GLOBULAR CLUSTER NGC 3201, **D. P. Sariya, Ing-Guey Jiang & R. K. S. Yadav**, *AJ* **153**, 134, 2017.

1522. SOURCE REGION AND SECTOR CONTRIBUTIONS OF ATMOSPHERIC SOOT PARTICLE IN A COAL-FIELD REGION OF DHANBAD, EASTERN PART OF INDIA, **S. Singh, S. Tiwari, U. C. Dumka, R. Kumar & P. K. Singh**, *AR* **197**, 415, 2017.
1523. CHEMICAL CHARACTERIZATION OF RAINWATER AT A HIGH-ALTITUDE SITE "NAINITAL" IN THE CENTRAL HIMALAYAS INDIA, **D. S. Bisht, et al. (including H. Joshi, N. Singh & M. Naja)**, *ESPR* **24**, 3959, 2017.
1524. HIGH-RESOLUTION SPECTROSCOPY AND SPECTROPOLARIMETRY OF SELECTED δ SCT PULSATING VARIABLES, **S. Joshi, et al. (including Y. C. Joshi)**, *MNRAS* **467**, 633, 2017.
1525. ASSESSMENT OF CHANGES IN ATMOSPHERIC DYNAMICS AND DUST ACTIVITY OVER SOUTHWEST ASIA USING THE CASPIAN SEA-HINDU KUSH INDEX, **D. G. Kaskaoutis, et al. (including U. C. Dumka)**, *International Jr. of Climatology* **37**, 1013, 2017.
1526. SCIENTIFIC CAPABILITIES AND ADVANTAGES OF THE 3.6 METER OPTICAL TELESCOPE AT DEVASTHAL, UTTARAKHAND, **A. Omar, B. Kumar, M. Gopinathan & R. Sagar**, *CS* **113**, 682, 2017.
1527. MULTI-EPOCH INTRANIGHT OPTICAL MONITORING OF EIGHT RADIO-QUIET BL LAC CANDIDATES, **P. Kumar, et al. (including H. Chand)**, *MNRAS* **471**, 606, 2017.
1528. A PECULIAR MULTIWAVELENGTH FLARE IN THE BLAZAR 3C 454.3, **A. C. Gupta, et al. (including A. Agarwal)**, *MNRAS* **472**, 788, 2017.
1529. UNUSUAL ENHANCEMENT IN TROPOSPHERIC AND SURFACE OZONE DUE TO OROGRAPHY INDUCED GRAVITY WAVES, **D. V. Phanikumar, et al. (including S. Bhattacharjee & M. Naja)**, *RSE* **199**, 256, 2017.
1530. LONG-TERM PHOTOMETRIC STUDY OF FAINT W UMA BINARY IN THE DIRECTION OF M31, **Y. C. Joshi & R. Jagirdar**, *RAA* **17**, 115, 2017.
1531. MULTI-MESSENGER OBSERVATIONS OF A BINARY NEUTRON STAR MERGER, **B. P. Abbott, et al. (including S. B. Pandey & K. Misra)**, *ApJL* **848:L2**, 59pp, 2017.
1532. ASSESSMENT OF PM_{2.5} CHEMICAL COMPOSITIONS IN DELHI: PRIMARY VS SECONDARY EMISSIONS AND CONTRIBUTION TO LIGHT EXTINCTION CONFIDENT AND VISIBILITY DEGRADATION, **U. C. Dumka, et al.**, *JAC* **74**, 423, 2017.
1533. ALMA AND GMRT CONSTRAINTS ON THE OFF-AXIS GAMMA-RAY BURST 170817A FROM THE BINARY NEUTRON STAR MERGER GW170817, **S. Kim, et al. (including K. Misra)**, *ApJL* **580:L21**, 9pp, 2017.
1534. EVIDENCE FOR DYNAMICALLY DRIVEN FORMATION OF THE GW170817 NEUTRON STAR BINARY IN NGC 4993, **A. Palmese, et al. (including K. Misra)**, *ApJL* **849:L34**, 8pp, 2017.
1535. MULTI-BAND INTRA-NIGHT OPTICAL VARIABILITY OF BL LACERATE, **H. Gaur, et al. (including A. C. Gupta)**, *Galaxies* **5**, 94, 2017.

1536. SEASONAL AND DIURNALS VARIATIONS IN METHANE AND CARBON DIOXIDE IN THE KATHMANDU VALLEY IN THE FOOTHILLS OF THE CENTRAL HIMALAYAS, **K. S. Magat, et al. (including M. Naja)**, *ACP* **17**, 20972, 2017.
1537. LOSS OF CROP YIELDS IN INDIA DUE TO SURFACE OZONE: AN ESTIMATION BASED ON A NETWORK OF OBSERVATIONS, **S. Lal, et al. (including M. Naja)**, *ESPR* **24**, 20972, 2017.
1538. TROPOSPHERIC OZONE ASSESSMENT REPORT: DATABASE AND METRICS DATA OF GLOBAL SURFACE OZONE OBSERVATIONS, **M. G. Schultz, et al. (including M. Naja)**, *Elementa Science of the Anthropocene* **5**, 58, 2017.
1539. SPATIO-TEMPORAL VARIATION OF AIR POLLUTANTS AND THE IMPACT OF ANTHROPOGENIC EFFECTS ON THE PHOTOCHEMICAL BUILDUP OF OZONE ACROSS DELHI-NCR, **S. K. Peshin, A. Sharma, S. K. Sharma, M. Naja & T. K. Mandal**, *SCS* **35**, 740, 2017.
1540. UNDERSTANDING THE LINKS AMONG THE MAGNETIC FIELDS, FILAMENT, BIPOLAR BUBBLE, AND STAR FORMATION IN RCW 57 A USING NIR POLARIMETRY, **C. Eswaraiah, et al. (including A. K. Pandey & S. Sharma)** *Ap. J.* **850:159**, 22pp, 2017.
1541. DETECTION OF LOW-AMPLITUDE PHOTOMETRIC VARIABILITY OF MAGNETIC WHITE DWARFS, **A. F. Valeev, et al. (including A. Joshi & J. C. Pandey)**, *ASP Conf. Ser.* **510**, 504, 2017.
1542. SEARCH FOR VARIABLE STARS IN THE YOUNG OPEN CLUSTER STOCK 18, **T. Sinha, S. Sharma, R. Pandey & A. K. Pandey**, *EPJ Web of Conf.* **152**, 1, 2017.
1543. PRE-MONSOON AIR QUALITY OVER LUMBINI, A WORLD HERITAGE SITE ALONG THE HIMALAYAN FOOTHILLS, **D. Rupakheti, et al. (including M. Naja)**, *ACP* **17**, 11041, 2017.
1544. IMPACT OF INTER-SEASONAL SOLAR VARIABILITY ON THE ASSOCIATION OF LOWER TROPOSPHERE AND COLD POINT TROPOPAUSE IN THE TROPICS: OBSERVATIONS USING RO DATA FROM COSMIC, **V. Kumar, et al. (including N. Singh)**, *AR* **198**, 216, 2017.
1545. SLIPPAGE OF JETS EXPLAINED BY THE MAGNETIC TOPOLOGY OF NOAA ACTIVE REGION 12035, **R. Joshi, et al. (including W. Uddin)**, *SP* **292:152**, 20pp, 2017.
1546. IMPACT OF ATMOSPHERIC CIRCULATION TYPES ON SOUTHWEST ASIAN DUST AND INDIAN SUMMER MONSOON RAINFALL, **D. G. Kaskaoutis, et al. (including U. C. Dumka)**, *AR* **201**, 189, 2018.
1547. SEARCH FOR VERY HIGH ENERGY GAMMA-RAY EMISSION FORM THE PECULIAR RADIO GALAXY IC 310 WITH TACTIC DURING 2012 TO 2015, **B. Ghosal, et al. (including A. Agarwal & A. C. Gupta)**, *NA* **60**, 42, 2018.
1548. MULTIWAVELENGTH TEMPORAL AND SPECTRAL VARIABILITY OF THE BLAZAR OJ 287 DURING AND AFTER THE 2015 DECEMBER FLARE: A MAJOR ACCRETION DISC CONTRIBUTION, **P. Kushwaha, et al. (including A. C. Gupta, A. Agarwal & A. Mishra)**, *MNRAS* **473**, 1145, 2018.
1549. TIDAL INTERACTION, STAR FORMATION AND CHEMICAL EVOLUTION IN BLUE COMPACT DWARF GALAXY MRK 22, **A. Paswan, A. Omar & S. Jaiswal**, *MNRAS* **473**, 4566, 2018.

1550. TRANSITION FROM FIREBALL TO POYNTING-FLUX-DOMINATED OUTFLOW IN THE THREE-EPIISODE GRB 160625B, **B. B. Zhang, et al. (including S. B. Pandey)**, *Nature Astronomy* **2**, 69, 2018.
1551. EXPLORING THE OPTICAL BEHAVIOR OF A TYPE IAX SUPERNOVA SN 2014DT, **Mridweeka Singh, et al. (including K. Misra, R. Dastidar, A. Gangopadhyay, B. Kumar & S. B. Pandey)**, *MNRAS* **474**, 2551, 2018.
1552. EVALUATION AND UTILIZATION OF MODIS AND CALIPSO AEROSOL RETRIEVALS OVER A COMPLEX TERRAIN IN HIMALAYA, **Ashish Kumar, N. Singh, Anshumali & R. Solanki**, *RSE* **206**, 139, 2018.
1553. MULTI-WAVELENGTH INTRA-DAY VARIABILITY AND QUASI-PERIODIC OSCILLATION IN BLAZARS, **A. C. Gupta**, *Galaxies* **6**, 1, 2018.
1554. RATES OF SHORT-GRB AFTERGLOWS IN ASSOCIATION WITH BINARY NEUTRON STAR MERGERS, **M. Saleem, A. Pai, K. Misra, K. Resmi & K. G. Arun**, *MNRAS* **475**, 699, 2018.
1555. EXPLORING SHORT-GRB AFTERGLOW PARAMETER SPACE FOR OBSERVATIONS IN COINCIDENCE WITH GRAVITATIONAL WAVES, **M. Saleem, L. Resmi, K. Misra, A. Pai & K. G. Arun**, *MNRAS* **474**, 5340, 2018.
1556. ARP 202: A TDG FORMED IN A PARENT'S EXTENDED DARK MATTER HALO?, **T. C. Scott, et al. (including K. Misra)**, *MNRAS* **475**, 1148, 2018.
1557. STUDY OF MAGNETIZED ACCRETION FLOW WITH COOLING PROCESSES, **Kuldeep Singh & I. Chattopadhyay**, *JAA* **39:10**, 2018.
1558. RADIATIVELY-DRIVEN GENERAL RELATIVISTIC JETS, **M. K. Vyas & I. Chattopadhyay**, *JAA* **39:12**, 2018.
1559. ON THE INCIDENCE OF MG II ABSORBERS ALONG THE BLAZER SIGHTLINES, **S. Mishra, H. Chand, Gopal-Krishna, R. Joshi, Y. A. Shchekinov & T. A. Fatkhullin**, *MNRAS* **473**, 5154, 2018.
1560. SN 2015AS: A LOW-LUMINOSITY TYPE IIB SUPERNOVA WITHOUT AN EARLY LIGHT-CURVE PEAK, **A. Gangopadhyay, et al. (including K. Misra, Mridweeka Singh, R. Dastidar, B. Kumar & S. B. Pandey)**, *MNRAS* **476**, 3611, 2018.
1561. STUDY OF MAGNETIZED ACCRETION FLOW WITH VARIABLE EQUATION OF STATE, **Kuldeep Singh & I. Chattopadhyay**, *MNRAS* **476**, 4123, 2018.
1562. ACCRETION FLOW DYNAMICS DURING 1999 OUTBURST OF XTE J1859+226MODELING OF BROADBAND SPECTRA AND CONSTRAINING THE SOURCE MASS, **A. Nandi, et al. (including I. Chattopadhyay)**, *ASS* **363:90**, 1, 2018.
1563. TIFR NEAR INFRARED IMAGING CAMERA-II ON THE 3.6 M DEVASTHAL OPTICAL TELESCOPE, **T. Baug, et al. (including S. Sharma, A. K. Pandey, B. Kumar, A. Ghosh, B. K. Reddy, S. B. Pandey & H. Chand)**, *Jr. Astronomical Instrumentation* **7:1**, 1, 2018.

1564. A PECULIAR SUBCLASS OF TYPE IA SUPERNOVAE A.K.A. TYPE IAX, **Mridweeka Singh, et al. (including K. Misra, R. Dastidar, A. Gangopadhyay, B. Kumar & S. B. Pandey)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 340, 2018.
1565. HISTORY OF INITIAL FIFTY YEARS OF ARIES: A MAJOR NATIONAL INDIAN FACILITY FOR OPTICAL OBSERVATIONS, **B. B. Sanwal, A. K. Pandey, W. Uddin, B. Kumar & S. Joshi**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 15, 2018.
1566. 3.6-M DEVASTHAL OPTICAL TELESCOPE PROJECT: COMPLETION AND FIRST RESULTS, **B. Kumar, A. Omar, M. Gopinathan, A. K. Pandey, et al.**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 29, 2018.
1567. PROSPECTS FOR STAR FORMATION STUDIES WITH INFRARED INSTRUMENTS (TIRCAM2 AND TANSPEC) ON THE 3.6-M DEVASTHAL OPTICAL TELESCOPE, **D. Ojha, et al. (including S. Sharma, A. K. Pandey, T. Baug & B. Kumar)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 58, 2018.
1568. CORE-COLLAPSE SNE OF TYPE IIP AND THEIR PROGENITORS: THE CASE STUDY OF PNY J01315945+3328458, **R. Dastidar, B. Kumar, D. K. Sahu, K. Misra, M. Singh, A. Gangopadhyay, G. C. Anupama & S. B. Pandey**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 356, 2018.
1569. LIGHT CURVE AND SPECTRAL EVOLUTION OF TYPE IIB SUPERNOVAE, **A. Gangopadhyay, K. Misra, A. Pastorello, D. K. Sahu, M. Singh, R. Dastidar, G. C. Anupama, B. Kumar & S. B. Pandey**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 351, 2018.
1570. PROPER MOTION STUDY OF GLOBULAR CLUSTER NGC 4590, **Gaurav Singh & R. K. S. Yadav**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 238, 2018.
1571. INTRA-NIGHT OPTICAL VARIABILITY PROPERTIES OF X-RAY BRIGHT NARROW-LINE SEYFERT 1 GALAXIES, **V. Ojha, H. Chand & Gopal-Krishan**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 387, 2018.
1572. PROBING THE CENTRAL ENGINE AND ENVIRONMENT OF AGN USING ARIES 1.3-M AND 3.6-M TELESCOPES, **H. Chand, et al. (including P. Jalan, V. Ojha, S. Mishra, A. Omar, Parveen Kumar & S. R. Kumar)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 291, 2018.
1573. RADIOACTIVE DECAY OF THE LATE-TIME LIGHT CURVES OF GRB-SNE, **K. Misra & A. S. Fruchter**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 347, 2018.
1574. SPECTROSCOPIC AND POLARIMETRIC STUDY OF RADIO-QUIET WEAK EMISSION LINE QUASARS, **P. Kumar, et al. (including H. Chand)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 316, 2018.
1575. THE ECLIPSING BINARY STAR RZ CAS: ACCRETION-DRIVEN VARIABILITY OF THE MULTIMODE OSCILLATION SPECTRUM, **D. E. Mkrtychian, et al. (including S. Joshi)**, *MNRAS* **475**, 4745, 2018.
1576. OPTICAL PHOTOMETRIC VARIABLE STARS TOWARDS THE GALACTIC H II REGION NGC 2282, **S. Dutta, et al. (including S. Joshi)**, *MNRAS* **476**, 2813, 2018.

1577. X-RAY FLUX AND SPECTRAL VARIABILITY OF SIX TeV BLAZARS WITH NuSTAR, **A. Pandey, A. C. Gupta & P. J. Wiita**, *Ap. J.* **859:49**, 11pp, 2018.
1578. PHOTOSPHERIC DOPPLER ENHANCEMENT AND H α EVOLUTION OF AN X-CLASS FLARE, **A. Monga, R. Chandra & W. Uddin**, *NA* **62**, 85, 2018.
1579. STAR-DISK INTERACTIONS IN MULTIBAND PHOTOMETRIC MONITORING OF THE CLASSICAL T TAURI STAR GI TAU, **Z. Guo, et al. (including S. Sharma)**, *Ap. J.*, **852:56**, 15pp, 2018.
1580. LUNAR OCCULTATIONS OF ALDEBARAN AND OTHER LATE-TYPE STARS OBSERVED FROM DEVASTHAL, **A. Richichi, S. Sharma, A. K. Pandey, R. Pandey, T. Sinha & M. D. Norharizan**, *NA* **59**, 28, 2018.
1581. FAR-INFRARED-RADIO CORRELATION AND MAGNETIC FIELD STRENGTH IN STAR-FORMING EARLY-TYPE GALAXIES, **A. Omar & A. Paswan**, *MNRAS* **477**, 3552, 2018.
1582. STATISTICAL ANALYSIS OF VARIABILITY PROPERTIES OF THE KEPLER BLAZAR W2R 1926+42, **Yutong Li, Shaoming Hu, P. J. Wiita & Gupta, A. C.**, *MNRAS* **478**, 172, 2018.
1583. BATAL: THE BALLOON MEASUREMENT CAMPAIGNS OF THE ASIAN TROPOPAUSE AEROSOL LAYER, **J. P. Vernier, et al. (including S. Kumar)**, *American Meteorological Society, BAMS* **99**, 955, 2018.
1584. RADIATIVELY DRIVEN RELATIVISTIC JETS IN SCHWARZSCHILD SPACE-TIME, **M. K. Vyas & I. Chattopadhyay**, *AA* **614**, S51, 2018.
1585. ANOMALOUS VARIATIONS OF VLF SUB-IONOSPHERIC SIGNAL AND MESOSPHERIC OZONE PRIOR TO 2015 GORKHA NEPAL EARTHQUAKE, **D. V. Phanikumar, et al. (including M. Naja)**, *Nature (Scientific Reports)* **8:9381**, 2018.
1586. THE EVER-SURPRISING BLAZAR OJ 287: MULTIWAVELENGTH STUDY AND APPEARANCE OF NEW COMPONENT IN X-RAYS, **P. Kushwaha, et al. (including A. C. Gupta & H. Gaur)**, *MNRAS* **479**, 1672, 2018.
1587. LONG-TERM VARIABILITY AND TRENDS IN THE CASPIAN SEA HINDU KUSH INDEX: INFLUENCE ON ATMOSPHERIC CIRCULATION PATTERNS, TEMPERATURE AND RAINFALL OVER THE MIDDLE EAST AND SOUTHWEST ASIA, **D. G. Kaskaoutis, et al. (including U. C. Dumka)**, *GPC* **169**, 16, 2018.
1588. SN 2015BA: A TYPE IIP SUPERNOVA WITH A LONG PLATEAU, **R. Dastidar, et al. (including K. Misra, Mridweeka Singh, A. Gangopadhyay, B. Kumar & S. B. Pandey)**, *MNRAS* **479**, 2421, 2018.
1589. ANALYSIS OF TOTAL COLUMN OZONE, WATER VAPOUR AND AEROSOL OPTICAL THICKNESS OVER AHMEDABAD, INDIA, **S. Sharma, P. Kumar, R. Vaishnav, K. K. Shukla & D. V. Phanikumar**, *Meteorological Applications* **25**, 33, 2018.
1590. POLARIMETRIC AND SPECTROSCOPIC STUDY OF RADIO-QUIET WEAK EMISSION LINE QUASARS, **P. Kumar, H. Chand, R. Srikanand, C. S. Stalin, P. Petitjean & Gopal-Krishna**, *MNRAS* **479**, 5075, 2018.

1591. STAR FORMATION IN THE SH 2-53 REGION INFLUENCED BY ACCRETING MOLECULAR FILAMENTS, **T. Baug, et al. (including A. K. Pandey & S. Sharma)**, *Ap. J.* **852:119**, 12pp, 2018.
1592. HOW WILL AIR QUALITY CHANGE IN SOUTH ASIA BY 2050?, **R. Kumar, et al. (including M. Naja)**, *JGR:Atmosphere* **123**, 1840, 2018.
1593. GLOBAL TRENDS OF COLUMNAR AND VERTICALLY DISTRIBUTED PROPERTIES OF AEROSOLS WITH EMPHASIS ON DUST, POLLUTED DUST AND SMOKE - INFERENCES FROM 10-YEAR LONG CALIOP OBSERVATIONS, **M. Mehta, N. Singh & Anshumali**, *RSE* **208**, 120, 2018.
1594. VARIATIONS IN SURFACE OZONE AND CARBON MONOXIDE IN THE KATHMANDU VALLEY AND SURROUNDING BROADER REGIONS DURING SUSKAT-ABC FIELD CAMPAIGN: ROLE OF LOCAL AND REGIONAL SOURCES, **P. Bhardwaj, et al. (including M. Naja)**, *ACP* **18**, 11949, 2018.
1595. POSSIBLE 1 HOUR QUASI-PERIODIC OSCILLATION IN NARROW LINE SEYFERT 1 GALAXY MCG-06-30-15, **A. C. Gupta, et al.**, *AA* **616**, L6, 2018.
1596. X-RAY INTRADAY VARIABILITY OF THE TeV BLAZAR MRK 421 WITH CHANDRA, **V. Aggrawal, et al. (including A. Pandey & A. C. Gupta)**, *MNRAS* **480**, 4873, 2018.
1597. A STUDY OF A LONG DURATION B9 FLARE-CME EVENT AND ASSOCIATED SHOCK, **R. Chandra, P. F. Chen, A. Fulara, A. K. Srivastava & W. Uddin**, *ASR* **61**, 705, 2018.
1598. ASSESSMENT OF BIOMASS BURNING AND FOSSIL FUEL CONTRIBUTION TO BLACK CARBON CONCENTRATIONS IN DELHI DURING WINTER, **U. C. Dumka, et al. (including N. Singh)**, *AE* **194**, 93-109, 2018.
1599. ACTIVITY OF YOUNG DWARFS WITH PLANETARY SYSTEMS: EPIC 211901114 AND K2-33, **I. S. Savanov, E. S. Dmitrienko, S. Karmakar & J. C. Pandey**, *AR* **62**, 532-541, 2018.
1600. STOCHASTIC MODELING OF MULTIWAVELENGTH VARIABILITY OF THE CLASSICAL BL LAC OBJECT OJ 287 ON TIMESCALES RANGING FROM DECADES TO HOURS, **A. Goyal, et al. (including M. Gopinathan, A. Joshi & J. C. Pandey)**, *Ap. J.* **863**, 175, 2018.
1601. AUTHENTICATING THE PRESENCE OF A RELATIVISTIC MASSIVE BLACK HOLE BINARY IN OJ 287 USING ITS GENERAL RELATIVITY CENTENARY FLARE: IMPROVED ORBITAL PARAMETERS, **L. Dey, et al. (including M. Gopinathan, A. Joshi & J. C. Pandey)**, *Ap. J.* **866**, 11, 2018.
1602. LOW-FREQUENCY VIEW OF GW170817/GRB 170817A WITH THE GIANT METREWAVE RADIO TELESCOPE, **L. Resmi, et al. (including K. Misra)**, *Ap. J.* **867**, 57, 2018.
1603. ELEVATED BLACK CARBON CONCENTRATIONS AND ATMOSPHERIC POLLUTION AROUND SINGRAULI COAL-FIRED THERMAL POWER PLANTS (INDIA) USING GROUND AND SATELLITE DATA, **P. R. Singh, Sarvan Kumar & A. K. Singh**, *Inter. Jr. Environ. Res. Public Health* **15**, 2472, 2018.
1604. ON THE DIFFERENTIAL ROTATION OF THE STARS, **I. S. Savanov, E. S. Dmitrienko, J. C. Pandey & S. Karmakar**, *Ap. B.* **73**, 454-462, 2018.

1605. FOUR YEARS OF STARSPOT EVOLUTION ON AN ACTIVE F-TYPE ULTRA-FAST ROTATOR KIC 6791060, **S. Karmakar & J. C. Pandey, et al.**, *Proceedings IAU Symposium* **13**, 229-232, 2018.
1606. A PROPER MOTION STUDY OF THE GLOBULAR CLUSTER M12 (NGC 6218), **D. P. Sariya, I.-G. Jiang & R. K. S. Yadav**, *RAA* **18**, 16, 2018.
1607. A STUDY OF PULSATION ROTATION IN A SAMPLE OF A-K YPTE STARS IN THE KEPLER FIELD, **S. Chowdhury, S. Joshi, C. A. Engelbrecht, P. De Cat, Y. C. Joshi & K. T. Paul**, *Astrophys. Space Sci.* **363:260**, (1-18pp), 2018.
1608. INVESTIGATION KPC-SCALE RADIO EMISSION PROPERTIES OF NARROW-LINE SEYFERT 1 GALAXIES, **V. Singh & Chand**, *MNRAS* **480**, 1796-1818, 2018.
1609. X-RAY/UV/OPTICAL VARIABILITY OF NGC 4593 WITH SWIFT: REPROCESSING OF X-RAYS BY AN EXTENDED REPROCESSOR, **I. Mc. Hardy, et al. (including H. Chand)**, *MNRAS* **480**, 2881-2897, 2018.
1610. THE PROPERTIES OF GRB 120923A AT A SPECTROSCOPIC REDSHIFT OF $z \approx 7.8$, **N. R. Tanvir, et al. (including K. Misra)**, *ApJ* **865:107**, (16pp), 2018.
1611. SPECTRAL PROPERTIES OF MXB 1658-298 IN THE LOW/HARD AND HIGH/SOFT STATE, **R. Sharma, A. Jaleel, C. Jain, J. C. Pandey, B. Paul & A. Dutta**, *MNRAS* **481**, 5560-5569, 2018.
1612. INSTRUMENTATION AND SCIENCE WITH THE 3.6-M DOT AND 4-M ILMT TELESCOPES, **P. D. Cat, Surdej J., A. Omar, M. Becker & S. Joshi**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 1-14, 2018.
1613. FIRST-LIGHT INSTRUMENT FOR THE 3.6-M DEVASTHAL OPTICAL TELESCOPE: 4Kx4K CCD IMAGER, **S. B. Pandey, R. K. S. Yadav, N. Nanjappa, S. Yadav, B. K. Reddy, S. Sahu & R. Srinivasan**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 42-57, 2018.
1614. A PECULIAR SUBCLASS OF TYPE IA SUPERNOVAE A.K.A. TYPE IAX, **Mridweeka Singh, et al. (including K. Misra, R. Dastidar, A. Gangopadhyay, B. Kumar & S. B. Pandey)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 340-346, 2018.
1615. HISTORY OF INITIAL FIFTY YEARS OF ARIES: A MAJOR NATIONAL INDIAN FACILITY FOR OPTICAL OBSERVATIONS, **B. B. Sanwal, A. K. Pandey, W. Uddin, B. Kumar & S. Joshi**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 15-28, 2018.
1616. 3.6-M DEVASTHAL OPTICAL TELESCOPE PROJECT: COMPLETION AND FIRST RESULTS, **B. Kumar, A. Omar, M. Gopinathan, A. K. Pandey, et al. (including 25 authors)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 29-41, 2018.
1617. PROSPECTS FOR STAR FORMATION STUDIES WITH INFRARED INSTRUMENTS (TIRCAM2 AND TANSPEC) ON THE 3.6-M DEVASTHAL OPTICAL TELESCOPE, **D. Ojha, et al. (including S. Sharma, A. K. Pandey, T. Baug & B. Kumar)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 58-67, 2018.

1618. CORE-COLLAPSE SNE OF TYPE IIP AND THEIR PROGENITORS: THE CASE STUDY OF PNY J01315945+3328458, **R. Dastidar, B. Kumar, D. K. Sahu, K. Misra, M. Singh, A. Gangopadhyay, G. C. Anupama & S. B. Pandey**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 356-359, 2018.
1619. LIGHT CURVE AND SPECTRAL EVOLUTION OF TYPE IIB SUPERNOVAE, **A. Gangopadhyay, K. Misra, A. Pastorello, D. K. Sahu, M. Singh, R. Dastidar, G. C. Anupama, B. Kumar & S. B. Pandey**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 351-355, 2018.
1620. PROPER MOTION STUDY OF GLOBULAR CLUSTER NGC 4590, **G. Singh & R. S. Yadav**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 238-241, 2018.
1621. INTRA-NIGHT OPTICAL VARIABILITY PROPERTIES OF X-RAY BRIGHT NARROW-LINE SEYFERT 1 GALAXIES, **V. Ojha, H. Chand & Gopal-Krishan**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 387-390, 2018.
1622. PROBING THE CENTRAL ENGINE AND ENVIRONMENT OF AGN USING ARIES 1.3-M AND 3.6-M TELESCOPES, **H. Chand, et al. (including P. Jalan, V. Ojha, S. Mishra, A. Omar, Parveen Kumar & S. R. Kumar)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 291-298, 2018.
1623. RADIOACTIVE DECAY OF THE LATE-TIME LIGHT CURVES OF GRB-SNE, **K. Misra & A. S. Fruchter**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 347-350, 2018.
1624. SPECTROSCOPIC AND POLARIMETRIC STUDY OF RADIO-QUIET WEAK EMISSION LINE QUASARS, **P. Kumar, et al. (including H. Chand)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 316-320, 2018.
1625. THE 4-M INTERNATIONAL LIQUID MIRROR TELESCOPE, **J. Surdej et al. (including H. Chand, A. K. Pandey, M. K. Jaiswar & N. Nanjappa)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 68-79, 2018.
1626. SUPERNOVAE STUDY: CONTEXT OF THE 4-M INTERNATIONAL LIQUID MIRROR TELESCOPE, **Brajesh Kumar, et al. (including S. B. Pandey)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 80-87, 2018.
1627. LOW RESOLUTION SPECTROSCOPIC INVESTIGATION OF AM STARS USING AUTOMATED METHOD, **K. Sharma, S. Joshi & H. P. Singh**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 121-124, 2018.
1628. THE NAINITAL CAPE SURVEY PROJECT : A SEARCH FOR PULSATION IN CHEMICALLY PECULIAR STARS, **N. Chakradhari & S. Joshi**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 150-153, 2018.
1629. ANALYSIS OF HD 73045 LIGHT CURVE DATA, **M. K. Das, N. K. Bhatraju & S. Joshi**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 158-162, 2018.
1630. AN F-TYPE ULTRA-FAST ROTATOR KIC 6791060: STARSPOT MODULATION AND FLARES, **S. Karmakar & J. C. Pandey**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 163-166, 2018.

1631. IPHAS J025827.88+635234.9 AND IPHAS J051814.33+294113.0: TWO PROBABLE ECLIPSING INTERMEDIATE POLARS, **A. Joshi & J. C. Pandey**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 176-184, 2018.
1632. X-RAY OBSERVATIONS OF THE COLLIDING WIND BINARY WR 25, **B. Arora & J. C. Pandey**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 193-197, 2018.
1633. VARIABLES STARS IN YOUNG OPEN STAR CLUSTERS, **S. Lata & A. K. Pandey**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 224-228, 2018.
1634. STUDY OF II GALACTIC QUADRANT OF MILKYWAY GALAXY USING OPEN CLUSTERS, **D. Bisht, et al. (including R. K. S. Yadav)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 229-233, 2018.
1635. ASTROPHYSICAL PARAMETERS OF OPEN STAR CLUSTERS USING 2MASS JHKs DATA, **A. Durgapal, D. Bisht & R. K. S. Yadav**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 234-237, 2018.
1636. UNDERSTANDING OF VARIABILITY PROPERTIES IN VERY LOW MASS STARS AND BROWN DWARFS, **S. Mondal, et al. (including S. Joshi)**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 242-252, 2018.
1637. TRIGGERED STAR-FORMATION IN THE NGC7538 HII REGION, **S. Sharma, A. K. Pandey, R. Pandey & T. Sinha**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 253-256, 2018.
1638. A HIGHLY EMBEDDED PROTOSTAR IN SFO 18: IRAS 05417+0907, **P. Saha, M. Gopinathan, M. Puravankara, N. Sharma & A. Soam**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 257-261, 2018.
1639. PRE-MAIN SEQUENCE VARIABLES IN YOUNG CLUSTER STOCK 18, **T. Sinha, S. Sharma, R. Pandey & A. K. Pandey**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 262-265, 2018.
1640. OPTICAL POLARIMETRY AND MOLECULAR LINE STUDIES OF L1157 DARK MOLECULAR CLOUD, **Ekta Sharma, A. Soam & M. Gopinathan**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 266-270, 2018.
1641. REVISITING THE INCIDENCE OF MG II ABSORBERS ALONG THE BLAZAR SIGHTLINES, **S. Mishra, H. Chand, Gopal-Krishna & R. Joshi**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 325-329, 2018.
1642. TRANSVERSE AND LONGITUDINAL PROXIMITY EFFECT, **P. Jalan, H. Chand & R. Srianand**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 330-333, 2018.
1643. GIANT LOW SURFACE BRIGHTNESS GALAXIES, **A. Mishra, N. G. Kantharia & M. Das**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 365-370, 2018.
1644. PROPERTIES OF NARROW LINE SEYFERT 1 GALAXIES, **S. Rakshit, C. S. Stalin, H. Chand & X. Zhang**, *Bulletin de la Societe Royale des Sciences de Liege* **87**, 379-386, 2018.

1645. OPEN STAR CLUSTERS AND GALACTIC STRUCTURE, **Y. C. Joshi**, *Proceeding IAU Symposium* **12**, 227-228, 2018.
1646. ULTRA-FAST ROTATORS FROM KEPLER OBSERVATION, **I. S. Savanov, E. S. Dmitrienko, J. C. Pandey & S. Karmakar**, *INASAN Science Proceeding*, 116-119, 2018.
1647. FOUR YEARS OF STARSPOOT EVOLUTION ON AN ACTIVE F-TYPE ULTRA-FAST ROTATOR KIC 6791060, **S. Karmakar, J. C. Pandey, et al.**, *Proceedings IAU Symposium* **13**, 229-232, 2018.
1648. FIRST SIMULTANEOUS OBSERVATIONS OF FORMALDEHYDE AND GLYOXAL BY MAX-DOAS IN THE INDO-GANGETIC PLAIN REGION, **H. M. S. Hoque, H. Irie, A. Damiani, Prajjwal Rawat & M. Naja**, *SOLO* **14**, 159-164, 2018.
1649. BALLOON-BORNE MEASUREMENT OF TEMPERATURE, WATER VAPOR, OZONE AND AEROSOL BACKSCATTER ON THE SOUTHERN SLOPES OF THE HIMALAYAS DURING STRATOCLIM 2016-2017, **S. Brunamonti, et al. (including Deepak Singh & M. Naja)**, *Atmos. Chem. Phys.* **18**, 15937-15957, 2018.
1650. YEAR-LONG VARIABILITY OF THE FOSSIL FUEL AND WOOD BURNING BLACK CARBON COMPONENTS AT A RURAL SITE IN SOUTHERN DELHI OUTSKIRT, **U. C. Dumka, et al.**, *AR* **216**, 11-25, 2019.
1651. RADIATION DRIVING AND HEATING OF GENERAL RELATIVISTIC JETS UNDER A COMPTON-SCATTERING REGIME, **M. K. Vyas & I. Chattopahyay**, *MNRAS* **482**, 4203-4214, 2019.
1652. THE RADIAL DISTRIBUTION OF BLUE STRAGGLERS IN GALACTIC GLOBULAR CLUSTER NGC 6656 CLUES TO THE DYNAMICAL STATUS, **Gaurav Singh & R. K. S. Yadav**, *MNRAS* **482**, 4874-4882, 2019.
1653. EFFECTS OF MONSOON, SHAMAL AND LEVAR WINDS ON DUST ACCUMULATION OVER THE ARABIAN SEA DURING SUMMER THE JULY 2016 CASE, **A. Rashki, et al. (including U. C. Dumka)**, *Aeolian Research* **36**, 27-44, 2019.
1654. MASS FUNCTION AND DYNAMICAL STUDY OF THE OPEN CLUSTERS BERKELEY 24 AND CZERNIK 27 USING GROUND BASED IMAGING AND GAIA ASTROMETRY, **D. Bisht, R. K. S. Yadav, S. Ganesh, A. K. Durgapal, G. Rangwal & J. P. U. Fynbo**, *MNRAS* **482**, 1471-1484, 2019.
1655. A MULTIWAVELENGTH VIEW OF A CLASSICAL T TAURI STAR CV CHA, **J. C. Pandey, S. Karmakar, A. Joshi, S. Sharma, S. B. Pandey & A. K. Pandey**, *RAA* **19**, 7(12pp), 2019.
1656. ATMOSPHERIC DYNAMICS ASSOCIATED WITH EXCEPTIONALLY DUSTY CONDITIONS OVER THE EASTERN MEDITERRANEAN AND GREECE IN MARCH 2018, **D. G. Kaskaoutis, et al. (including U. C. Dumka)**, *AR* **218**, 269-284, 2019.
1657. INTRA-NIGHT OPTICAL MONITORING OF THREE GAMMA-RAY DETECTED NARROW-LINE SEYFERT 1 GALAXIES, **Vineet Ojha, Gopal-Krishna & H. Chand**, *MNRAS* **483**, 3036-3047, 2019.

1658. GENERAL RELATIVISTIC TWO TEMPERATURE ACCRETION SOLUTIONS FOR SPHERICAL FLOWS AROUND BLACK HOLES, **S. Sarkar & I. Chattopadhyay**, *Intern. Jr. Modern Phy. D.* **28**,1950037 (25pp), 2019.
1659. OPTICAL FLUX AND SPECTRAL VARIABILITY OF THE TeV BLAZAR PG 1553+113, **Ashwani Pandey, A. C. Gupta, P. J. Wiita & S. N. Tiwari**, *Ap. J.* **871**, 192 (8pp), 2019.
1660. AEROSOL AND POLLUTANT CHARACTERISTICS IN DELHI DURING A WINTER RESEARCH CAMPAIGN, **U. C. Dumka, et al.**, *ESPR* **26**, 3771-3794, 2019.
1661. CHARACTERIZING OPTICAL VARIABILITY OF OJ 287 IN 2016-2017, **A. C. Gupta, et al.(including H. Gaur & A. Pandey)**, *AJ* **157**, 95 (12pp), 2019.
1662. LONG-TERM (1995-2018) AEROSOL OPTICAL DEPTH DERIVED USING GROUND BASED AERONET AND SKYNET MEASUREMENTS FROM AEROSOL AGED-BACKGROUND SITES, **S. S. Ningombam, E. J. L. Larson, U. C. Dumka, V. Estelles, M. Campanelli & C. Steve**, *APR* **10**, 608-620, 2019.
1663. OPTICAL VARIABILITY OF TeV BLAZARS ON LONG TIME-SCALES, **H. Gaur, et al. (including Gupta A. C.)**, *MNRAS* **484**, 5633-5644, 2019.
1664. DETECTION OF A QUASI-PERIODIC OSCILLATION γ -RAY LIGHT CURVE OF THE HIGH-REDSHIFT BLAZAR B2 1520+31, **A. C. Gupta, et al.**, *MNRAS* **484**, 5785-5790, 2019.
1665. OBSERVATIONS ON THE DISTRIBUTION OF CLOUDS OVER NORTHERN INDIA USING JOINT CLOUDSAT AND CALIPSO MEASUREMENTS, **Ashish Kumar, N. Singh & A. Singh**, *RSL* **10**, 590-597, 2019.
1666. A SIMPLE APPROACH FOR DESIGNING A FILTER ON MICROSTRIP LINES, **Ashish Kumar**, *Applied Engineering Letters* **4**, 19-23, 2019.
1667. ANALYSIS OF INTENSE DUST STORMS OVER THE EASTERN MEDITERRANEAN IN MARCH 2018: IMPACT ON RADIATIVE FORCING AND ATHENS AIR QUALITY, **D. G. Kaskaoutis, et al. (including U. C. Dumka)**, *AE* **209**, 23-39.
1668. OPTICAL DETECTION OF A GMRT-DETECTED CANDIDATE HIGH-REDSHIFT RADIO GALAXY WITH 3.6-M DEVASTHAL OPTICAL TELESCOPE, **A. Omar, et al. (including K. Chand, A. Paswan, T. S. Kumar, B. Krishna Reddy & J. Pant)**, *JAA* **40:9** (9pp), 2019.
1669. SN 2016B A.K.A. ASASSN-16AB: A TRANSITIONAL TYPE II SUPERNOVA, **R. Dastidar, et al. (including K. Misra, Mridweeka Singh, A. Gangopadhyay, P. Sanwal, B. Kumar & S. B. Pandey)**, *MNRAS* **486**, 2850-2872, 2019.
1670. FIRST-LIGHT IMAGES FROM LOW-DISPERSION SPECTROGRAPH-CUM-IMAGER ON 3.6 M DEVASTHAL OPTICAL TELESCOPE, **A. Omar, T. S. Kumar, B. Krishna Reddy, J. Pant & M. Mahto**, *CS* **116**, 1472-1478, 2019.
1671. EFFECT OF PLASMA COMPOSITION ON MAGNETIZED OUTFLOWS, **K. Singh & I. Chattopadhyay**, *MNRAS* **486**, 3506-3516, 2019.

1672. X-RAY OBSERVATIONS OF AN INTERMEDIATE POLAR V2400 OPH, **Arti Joshi & J. C. Pandey**, *AJ* **158:11**, (11pp), 2019.
1673. LONG-TERM SOFT AND HARD X-RAY INVESTIGATION OF THE COLLIDING WING WN+O BINARY WR 25, **B. Arora, J. C. Pandey & De. M. Becker**, *MNRAS* **487**, 2624-2638, 2019.
1674. A MULTIWAVELENGTH ANALYSIS OF A COLLECTION OF SHORT-DURATION GRBs OBSERVED BETWEEN 2012 AND 2015, **S. B. Pandey, et al. (including Amit Kumar, R. Gupta, A. Aryan & Brajesh Kumar)**, *MNRAS* **485**, 5294-5318, 2019.
1675. DECELERATION OF CIV AND SI IV BROAD ABSORPTION LINES IN X-RAY BRIGHT QUASAR SDSS-J092345+512710, **R. Joshi, et al. (including H. Chand)**, *ApJ*. **871:43**, (7pp), 2019.
1676. A SIMPLE APPROACH FOR DESIGN AND FABRICATION OF WILKINSON POWER DIVIDER ON MICROSTRIP LINE, **Ashish Kumar**, *Inter. Jr. Engin. Design Anal.* **2**, 8-12, 2019.
1677. SIGNAL ANALYSIS FOR GROUND BASED LIDAR, **A. Kumar, N. Singh & A. Singh**, *Res. Jr. of Enginee. Sci* **8**, 17-22, 2019.
1678. UNDERSTANDING FORMATION OF YOUNG, DISTRIBUTED LOW-MASS STARS AND CLUSTERS IN THE W4 CLOUD COMPLEX, **N. Panwar, M. R. Samal, Singh, A. K. & S. Sharma**, *AJ* **157:112**, 14pp, 2019.
1679. ASTROSAT-CZTI DETECTION OF VARIABLE PROMPT EMISSION POLARIZATION IN GRB 171010A, **V. Chand, et al. (including K. Misra)**, *ApJ*. **874:70**, 23pp, 2019.
1680. POLARIMETRIC AND PHOTOMETRIC INVESTIGATION OF THE DARK GLOBULE LDN 1225: DISTANCE, EXTINCTION LAW, AND MAGNETIC FIELDS, **C. Eswaraiah, et al. (including A. K. Pandey & S. Sharma)**, *ApJ*. **875:64**, 24pp, 2019.
1681. OBSERVATIONAL PROPERTIES OF A TYPE Ib SUPERNOVA MASTER OT J120451.50 + 265946.6 IN NGC 4080, **Mridweeka Singh, et al. (including K. Misra, R. Dastidar, A. Gangopadhyay, B. Kumar & S. B. Pandey)**, *MNRAS* **485**, 5438-5452, 2019.
1682. STUDY ON CLOUD TYPES DISTRIBUTION OVER NORTHERN INDIA USING RADAR-LIDAR (DARDAR), **Ashish Kumar, N. Singh & Anshumali**, *URSI AP-RASC Conf. 2019, New Delhi, India*, 09 - 15 March 2019.
1683. STUDY ON THE SATELLITE AND GROUND BASED AEROSOL MEASUREMENTS OVER HIMALAYAN REGION, **N. Singh, Ashish Kumar, Anshumali, Chandra Prakash & C. P. Pandey**, *URSI AP-RASC Conf. 2019, New Delhi, India*, 09 - 15 March 2019.
1684. VR CCD PHOTOMETRY OF VARIABLE STARS IN GLOBULAR CLUSTER NGC 4147, **S. Lata, et al. (including A. K. Pandey, J. C. Pandey, R. K. S. Yadav, S. B. Pandey and 22 more authors)**, *AJ* **158:51**, 18pp, 2019.
1685. PHOTOMETRIC ACTIVITY CYCLES OF UX ARI, **Savanov, I. S., et al. (including Pandey, J. C. Karmakar, S.)**, *ASP Conf. Series* **518**, 191-194, 2019.

1686. SHORT-PERIOD VARIABLE STARS IN YOUNG OPEN CLUSTER STOCK 8, **S. Lata, et al.** (including **A. K. Pandey & N. Panwar**), *AJ* 158:68, 15pp, 2019.
1687. REVEALING THE NATURE AND LOCATION OF HIGH ENERGY EMISSION IN THE CANDIDATE BINARY SMBH SYSTEM OJ 287, **P. Kushwaha, E. M. de G. D. Pino, A. C. Gupta & P. J. Wiita**, *Proceedings of Science (International Conference on Black Holes as Cosmic Batteries : UHECRs and Multimessenger Astronomy-BHCB2018 held on 12-15 Sept., 2018)* 329, 1-6, 2019.
1688. SIGNATURE OF STOCHASTIC ACCELERATION AND COLLING PROCESSES IN AN OUTBURST PHASE OF THE TeV BLAZAR ON 231, **N. Kalita, U. Sawangwit, A. C. Gupta, M-F. Gu & M. Liao**, *ApJ*. 880:19, 14pp, 2019.
1689. INTRA-DAY VARIABILITY OF THREE SEYFERT GALAXIES MEASURED WITH XMM-NEWTON, **A. Tripathi, P. J. Wiita, A. C. Gupta M. -F. Gu & M. Liao**, *RAA* 19, 109 (14pp), 2019.
1690. OPTICAL PHOTOMETRIC VARIABLE STARS TOWARDS CYGNUS OB7, **S. Dutta, S. Mondal, S. Joshi & R. Das**, *MNRAS* 487, 1765-1776, 2019.
1691. REDDENING MAP AND RECENT STAR FORMATION IN THE MAGELLANIC CLOUDS BASED ON OGLE IV CEPHEIDS, **Y. C. Joshi & A. Panchal**, *AA* 628, A51 (16pp), 2019.
1692. THE 3.6 METER DEVASTHAL OPTICAL TELESCOPE: FROM INCEPTION TO REALIZATION, **R. Sagar, Brijesh Kumar & A. Omar**, *CS* 117, 365-381, 2019.
1693. ROLE OF INTRACLUSTER SUPERNOVAE IN RADIO MINI-HALOES IN GALAXY CLUSTERS, **A. Omar**, *MNRAS* 484, L141-L146, 2019.
1694. OPTICAL SPECTROSCOPY OF STAR-FORMING REGIONS IN DWARF WOLF-RAYET GALAXIES, **A. Paswan, A. Omar & S. Jaiswal**, *MNRAS* 482, 3803-3821, 2019.
1695. STUDY OF RELATIVISTIC MAGNETIZED OUTFLOWS WITH RELATIVISTIC EQUATION OF STATE, **Kuldeep Singh & I. Chattopadhyay**, *MNRAS* 488, 5713-5727, 2019.
1696. ACCRETION DISK PARAMETERS DETERMINED FROM THE GREAT 2015 FLARE OF OJ 287, **M. J. Valtonen, et al.**(including **A. C. Gupta**), *ApJ*. 882:88, 12pp, 2019.
1697. A LONG-TERM PHOTOMETRIC VARIABILITY AND SPECTROSCOPIC STUDY OF LUMINOUS BLUE VARIABLE AF AND IN M31, **Y. C. Joshi, K. Sharma, A. Gangopadhyay, R. Gokhale & K. Misra**, *AJ* 158:175, 13pp, 2019.
1698. LONG-TERM OPTICAL SPECTROSCOPIC VARIATIONS IN BLAZAR 3C 454.3, **K. Nalewajko, et al.** (including **A. C. Gupta**), *AA* 631, A4, 1-8pp, 2019.
1699. X-RAY INTRADAY VARIABILITY OF THE TeV BLAZAR MRK 421 WITH SUZAKU, **Z. Zhang, et al.** (including **A. C. Gupta & H. Gaur**), *ApJ*. 884:125, 11pp, 2019.
1700. PROPERTIES OF RADIO-LOUD QUASARS IN THE SLOAN DIGITAL SKY SURVEY, **H. Gaur, M. Gu, S. Ramya & H. Guo**, *AA* 631, A46, 11pp, 2019.

1701. SN 2015AN: A NORMAL LUMINOSITY TYPE II SUPERNOVA WITH LOW EXPANSION VELOCITY AT EARLY PHASES, **R. Dastidar, et al. (including K. Misra, A. Gangopadhyay, Mridweeka Singh, B. Kumar, P. Sanwal & S. B. Pandey)**, *MNRAS* **490**, 1605-1619, 2019.
1702. ATMOSPHERIC DYNAMICS FROM SYNOPTIC TO LOCAL SCALE DURING AN INTENSE FRONTAL DUST STORM OVER THE SISTAN BASIN IN WINTER 2019, **D. G. Kaskaoutis, D. Francis, A. Rashki, J.-P. Chaboureau & U. C. Dumka**, *Geosciences* **9**, 453 (21pp), 2019.
1703. SN 2017GMR: AN ENERGETIC TYPE II-P SUPERNOVA WITH ASYMMETRIES, **J. E. Andrews, et al. (including R. Dastidar, K. Misra, A. Gangopadhyay, P. Sanwal & Mridweeka Singh)**, *ApJ*. **885:43**, 23pp, 2019.
1704. OBSERVATION OF INVERSE COMPTON EMISSION FROM A LONG γ -RAY BURST, **P. Veres, et al. (including K. Misra & S. B. Pandey)**, *Nature* **575**, 459-463, 2019.
1705. ON THE OBSERVATIONAL BEHAVIOR OF THE HIGHLY POLARIZED TYPE IIn SUPERNOVA SN 2017HCC, **Brajesh Kumar, et al. (including S. B. Pandey & A. Aryan)**, *MNRAS* **488**, 3089-3099.
1706. TWO-TEMPERATURE ADVECTIVE TRANSONIC ACCRETION FLOWS AROUND BLACK HOLES, **Shilpa Sarkar & I. Chattopadhyay**, *IOP Conf. Series: Journal of Physics: Conf. Series* **1336**, 1-11, 2019.
1707. SIMULATION AND INTERACTIVE APPROACH BASED DEMONSTRATION OF PULSE COMPRESSION TECHNIQUE IN ATMOSPHERIC RADAR, **Ashish Kumar, N. Singh & Anshumali**, *Springer Nature Applied Sciences* **1:1678**, 1-10pp, 2019.
1708. PROBING THE ENVIRONMENT OF HIGH- QUASARS USING THE PROXIMITY EFFECT IN PROJECTED QUASAR PAIRS, **Priyanka Jalan, H. Chand & R. Srianand**, *ApJ*. **884:151**, 21pp, 2019.
1709. THE AFTERGLOW AND KILONOVA OF THE SHORT GRB 160821B, **E. Troja, et al. (including S. B. Pandey)**, *MNRAS* **489**, 2104-2116, 2019.
1710. DESIGN, MANUFACTURING AND TESTING OF OVALITY CHECKING GAUGE FOR FACILITATING MECHANICAL INSPECTION AND QUALITY CONTROL, **P. Chakraborty**, *Proceedings of International conference on sciences engineering Technology (ICSET) held in Goa, India on 30-31st Dec., 2019*, **23-29**, 2019.
1711. THE ROLE OF THE INTERTROPICAL DISCONTINUITY REGION AND THE HEAT LOW IN DUST EMISSION AND TRANSPORT OVER THE THAR DESERT, INDIA: A PREMONSOON CASE STUDY, **U. C. Dumka, et al.**, *JGR: Atmosphere* **124**, 197-219, 2019..
1712. LONG-TERM VARIABILITY AND CORRELATION STUDY OF THE BLAZAR 3C 454.3 IN THE RADIO, NIR, AND OPTICAL WAVEBANDS, **Sarkar, A., et al. (including A. C. Gupta & H. Gaur)**, *ApJ*. **887:185**, 14pp, 2019.
1713. RELATIVISTIC JETS FROM BLACK HOLE ACCRETION DISC, **I. Chattopadhyay, Vyas M. K., & K. Singh**, *Proceedings of Science*, **1-6**, 2019.

1714. OBSERVATIONS OF TRANSIENT EVENTS WITH MINI-MEGATORTORA WIDE-FIELD MONITORING SYSTEM WITH SUB-SECOND TEMPORAL RESOLUTION, **S. Karpov, et al. (including J. C. Pandey)**, *RMxAA (Serie de Conf.)* **51, 30-38, 2019.**
1715. LONG-TERM (2005-2012) MEASUREMENTS OF NEAR-SURFACE AIR POLLUTANTS AT AN URBAN LOCATION IN THE INDO-GANGETIC BASIN, **N. Kishore, et al. (including N. Singh)**, *Jr. Earth Syst. Sci.* **128:55, 1-13pp, 2019.**
1716. C IV ABSORBERS TRACING COOL GAS IN DENSE GALAXY GROUP/CLUSTER ENVIRONMENTS, **A. Manuwal, A. Naryanan, S. Muzahid, J. C. Charlton, V. Khaire & H. Chand**, *MNRAS* **485, 30-46, 2019.**
1717. GMRT OBSERVATIONS OF EXTRAGALACTIC RADIO SOURCES WITH STEEPLY INVERTED SPECTRA, **M. Mhaskey, Gopal-Krishna, P. Dabhade, S. Paul, S. Salunkhe & S. K. Sirothia**, *MNRAS*, **485, 2447-2456, 2019.**
1718. EVALUATION OF AMBIENT AIR QUALITY IN DEHRADUN CITY DURING 2011-2014, **A. Deep, et al. (including N. Singh & J. Singh)** (2019), *Jr. Earth Syst. Sci.* **128:96, 1-14pp, 2019.**
1719. SEARCH FOR H I EMISSION FROM SUPERDISK CANDIDATES ASSOCIATED WITH RADIO GALAXIES, **A. Anand, N. Roy & Kirshna-Gopal**, *it RAA* **19, 83 (8pp), 2019.**
1720. VARIABILITY OF YOUNG STELLAR OBJECTS IN THE STAR-FORMING REGION PELICAN NEBULA, **A. Bharjwaj, N. Panwar, G. J. Herczeg, W. P. Chen & H. P. Singh**, *AA* **627, A135 (1-16 pp), 2019.**
1721. IMPACT OF MOUNTAINOUS TOPOGRAPHY ON SURFACE-LAYER PARAMETERS DURING WEAK MEAN-FLOW CONDITIONS, **R. Solanki, N. Singh, N. V. P. K. Kumar, K. Rajeev, R. Imasu & S. K. Dhaka**, *BLM*, **172, 133-148, 2019.**
1722. WATER VAPOR IN THE ASIAN SUMMER MONSOON ANTICYCLONE: COMPARISON OF BALLON-BORNE MEASUREMENTS AND ECMWF DATA, **S. Brunamonti, et al. (including M. Naja)**, *JGR:Atmopheres* **124, 7053-7068, 2019.**
1723. MULTIBAND OPTICAL VARIABILITY OF 3C 279 ON DIVERSE TIME-SCALES, **A. Agarwal, et al. (including Mridweeka Singh)**, *MNRAS* **488, 4093-4105, 2019.**
1724. ACTIVITY OF THE RED DWARF FR CNC FROM OBSERVATIONS WITH A ROBOTIC IRT-20 TELESCOPE AT THE ZVENIGOROD OBSERVATORY OF INASAN, **I. S. Savanov, S. A. Naroenkov, M. A. Nalivkin, J. C. Pandey & S. Karmakr**, *AJL* **45, 602-604, 2019.**
1725. A LOW-FREQUENCY STUDY OF RECENTLY IDENTIFIED DOUBLE-DOUBLE RADIO GALAXIES, **S. Nandi, et al. (including M. Singh)**, *MNRAS* **486, 5158-5170, 2019.**
1726. BLACK CARBON AEROSOLS IN THE AMBIENT AIR OF GANGOTRI GLACIER VALLEY OF NORTH-WESTERN HIMALAYA IN INDIA, **P. S. Negi, C. P. Pandey & N. Singh**, *AE* **214, 116879 (1-13pp), 2019**

1727. ESTIMATES OF REACTIVE TRACE GASES (NMVOCs, CO AND NO_x) AND THEIR OZONE FORMING POTENTIALS DURING FOREST FIRE OVER SOUTHERN HIMALAYAN REGION, **A. Kumar, K. Bali, S. Singh, M. Naja & A. K. Mishra**, *AR* **227**, 41-51, 2019.
1728. ARE THERE BROAD ABSORPTION-LINE BLAZARS?, **S. Mishra, Gopal-Krishna, H. Chand, K. Chand & V. Ojha**, *MNRAS* **489**, L42-L46, 2019.
1729. GMRT OBSERVATIONS OF A FIRST SAMPLE OF EXTREMELY INVERTED SPECTRUM EXTRAGALACTIC RADIO SOURCES (EISERS) CANDIDATES IN THE NORTHERN SKY, **M. Mhaskey, et al. (including Gopal-Krishna)**, *MNRAS* **489**, 3506-3518, 2019.
1730. OBSERVATION OF VERY SHORT PERIOD ATMOSPHERIC GRAVITY WAVES IN THE LOWER IONOSPHERE USING VERY LOW FREQUENCY WAVES, **A. K. Maurya et al. (including D. V. Phanikumar)**, *JGR:Space Physics* **124**, 9448-9461, 2019.
1731. ASTROMETRIC AND PHOTOMETRIC STUDY OF NGC 6067, NGC 2506, AND IC 4651 OPEN CLUSTERS BASED ON WIDE-FIELD GROUND AND GAIA DR2 DATA, **G. Rangwal, R. K. S. Yadav, A. Durgapal, Durgapal, D. Bisht & D. Nardiello**, *MNRAS* **490**, 1383-1396, 2019.
1732. NARROW-BAND H-ALPHA IMAGING OF NEARBY WOLF-RAYET GALAXIES, **A. Paswan, K. Saha & A. Omar**, *490*, 3448-453, 2019.
1733. MULTIWAVELENGTH OBSERVATIONS OF GRB 140629A: A LONG BURST WITH AN ACHROMATIC JET BREAK IN THE OPTICAL AND X-RAY AFTERGLOW, **Y. D. Hu, et al. (including S. B. Pandey)**, *AA* **632**, A100 (1-18pp), 2019.
1734. OBSERVATIONS ON THE DISTRIBUTION OF PRECIPITATION OVER NORTHERN INDIA USING JOINT CLODSAT, CALIPSO AND TRMM MEASUREMENTS, **N. Singh, Ashish Kumar, Anshumali Kumar, Jaydeep Singh & D. Nath**, *it RSL* **11**, 117-126, 2020.
1735. SPATIALLY SEPARATED CONTINUUM SOURCES REVEALED BY MICROLENSING IN THE GRAVITATIONALLY LENSED BROAD ABSORPTION LINE QUASAR SDSS J081830.46+060138.0 **D. Hutsemekers, D. Sluse & Parveen Kumar**, *AA* **633**, A101 (pp.1-7), 2020.
1736. LONG-TERM VARIABILITY, SOURCE APPORTIONMENT AND SPECTRAL PROPERTIES OF BLACK CARBON AT AN URBAN BACKGROUND SITE IN ATHENS, GREECE, **E. Liakakou, et al. (including U. C. Dumka)**, *AE* **222**, 1171378 (pp.1-14), 2020.
1737. THE VANISHING AND APPEARING SOURCES DURING A CENTURY OF OBSERVATIONS PROJECT. I. USNO OBJECTS MISSING IN MODERN SKY SURVEYS AND FOLLOW-UP OBSERVATIONS OF A MISSING STAR, **B. Villarroel, et al. (including A. C. Gupta)**, *ApJ*, **159:8**, 19pp, 2020.
1738. FULL ORBITAL SOLUTION FOR THE BINARY SYSTEM IN THE NORTHERN GALACTIC DISC MICROLENSING EVENT GAIA16AYE, **L. Wyrzykowski, et al. (including A. C. Gupta & A. Pandey)**, *AA* **633**, A98 (1-21 pp), 2020.
1739. PHOTOMETRIC, KINEMATIC, AND VARIABILITY STUDY IN THE YOUNG OPEN CLUSTER NGC 1960, **Y. C. Joshi, J. Maurya, A. A. John, A. Panchal, A. Joshi & B. Kumar**, *MNRAS* **492**, 3602-3621, 2020.

1740. LONG-TERM BROWN SPECTRAL CHARACTERISTICS IN A MEDITERRANEAN CITY (ATHENS), **E. Liakakou, et al. (including U. C. Dumka)**, *STE* 708, 135019 (1-14pp), 2020.
1741. ROTATION AND SPOTS IN NORMAL A AND AM/FM STARS, **O. Trust, E. Jurua, P. D. Cat & S. Joshi**, *MNRAS* 492, 3143-3155, 2020.
1742. EVALUATION OF URBAN OZONE IN THE BRAHMAPUTRA RIVER VALLY, **U. C. Dumka, et al.**, *APR* 11, 610-618, 2020.
1743. FLASH IONIZATION SIGNATURES INT EH TYPE IBN SUPERNOA SN 2019UO, **A. Gangopadhyay, et al. (including K. Misra, R. Dsatidar, Brajesh Kumar, B. Kumar, S. B. Pandey, P. Sanwal & Mridweeka Singh)**, *ApJ*. 889:170, 14pp, 2020.
1744. OPTICAL LINEAR POLARIZATION TOWARD THE OPEN STAR CLUSTER CASADO ALESSI 1, **S. Singh, J. C. Pandey, R. K. S. Yadav & B. J. Medhi**, *AJ* 159:99, 12pp, 2020.
1745. OPTICAL VARIABILITY OF THE TeV BLAZAR 1ES 0806+524 ON DIVERSE TIMESCALES, **Ashwani Pandey et al. (including A. C. Gupta)**, *ApJ* 890:72, (11pp), 2020.
1746. OPTICAL AND PHYSICAL PROPERTIES OF AEROSOLS DURING ACTIVE FIRE EVENTS OCCURRING IN THE INDO-GANGETIC PLAINS: IMPLICATIONS FOR AEROSOL RADIATIVE FORCING, **S. S. Ningombam, U. C. Dumka, A. K. Srivastava & H. J. Song**, *AE* 223, 117225 (12pp), 2020.
1747. A ROSSBY WAVE BREAKING-INDUCED ENHACEMENT IN THE TROPOSPHERIC OZONE OVER THE CENTRAL HIMALAYAN REGION, **K. N. Kumar, S. K. Sharma, M. Naja & D. V. Phankumar**, *AE* 224, 117356 (11pp), 2020.
1748. VARIABLE STARS IN THE SH 2-170 H II REGION, **T. Sinha, et al. (including S. Sharma, A. K. Pandey, R. Pandey & A. Ghosh)**, 493, 267-287, 2020.
1749. OPTICAL AND X-RAY STUDIES OF THREE POLARS: RX J0859.1 + 0537, RX J0749.1-0549, AND RX J0649.8-0737, **A. Joshi, J. C. Pandey, A. Raj, K. P. Singh, G. C. Anupama & H. P. Singh**, *MNRAS* 491, 201-214, 2020.
1750. MAGNETIC FIELD DEPENDENCE OF BIPOLAR MAGNETIC REGION TILTS ON THE SUN: INDICATION OF TILT QUENCHING, **B. K. Jha, B. B. Karka, S. Mandal & D. Banerjee**, *ApJL* 889:L19, 6pp, 2020.
1751. MULTIBAND OPTICAL FLUX DENSITY AND POLARIZATION MICROVARIABILITY STUDY OF OPTICALLY BRIGHT BLAZARS, **M. Pasierb, et al. (including Gopal-Krishna & S. Joshi)**, *MNRAS* 492, 1295-1317, 2020.
1752. LARGE-SCALE STAR FORMATION IN AURIGA REGION, **A. K. Pandey, S. Sharma, N. Kobayashi, Y. Sarugaku & K. Ogura**, *MNRAS* 492, 2446-2467, 2020.
1753. A MULTI-WAVELENGTH VIEW OF OJ 287 ACTIVITY IN 2015-2017: IMPLICATIONS OF SPECTRAL CHANGES ON CENTRAL-ENGINE MODELS AND MeV-GeV EMISSION MECHANISM, **P. Kushwaha**, *Galaxies* 8:15, 1-17, 2020.

1754. STRONG SOFT X-RAY EXCESS IN 2015 XMM-NEWTON OBSERVATIONS OF BL LAC OJ 287, M. Pal, P. Kushwaha, G. C. Dewangan & P. K. Pawar, *ApJ* 890:74, 9pp, 2020.
1755. STELLAR CORES IN THE SH 2-305 H II REGION, R. Pandey, et al. (including S. Sharma, N. Panwar, T. Sinha, A. Ghosh & A. K. Pandey), *ApJ*, 891:81, 24pp, 2020.
1756. ABSORPTION CHARACTERISTIC OF AEROSOLS OVER THE CENTRAL HIMALAYAS AND ITS ADJACENT FOOTHILLS, H. Joshi, M. Naja, L. M. David, T. Gupta, M. M. Gogoi & S. S. Babu, *AR* 233, 104718 (1-13pp), 2020.
1757. SN 2010KD: PHOTOMETRIC AND SPECTROSCOPIC ANALYSIS OF A SLOW-DECAYING SUPERLUMINOUS SUPERNOVA, Amit Kumar, et al. (including S. B. Pandey, A. Aryan, R. Dastidar, A. Gangopadhyay, R. Gupta, K. Misra & B. Kumar), *ApJ* 892:28, 23pp, 2020.
1758. CENSUS OF THE YOUNG STELLAR POPULATION IN THE GALACTIC H II REGION SH2-242, A. Panja, S. Mondal, S. Dutta, S. Joshi, S. Lata & R. Das, *AJ* 159:153, 17pp, 2020.
1759. COMPARATIVE INTRANIGHT OPTICAL VARIABILITY OF X-RAY AND γ -RAY-DETECTED NARROW-LINE SEYFERT 1 GALAXIES, V. Ojha, H. Chand, Gopal-Krishna, S. Mishra & K. Chand, *MNRAS* 493, 3642-3655, 2020.
1760. PHOTOMETRIC AND KINEMATIC STUDY OF THE THREE INTERMEDIATE AGE OPEN CLUSTERS NGC 381, NGC 2360, AND BERKELEY 68, J. Maurya & Y. C. Joshi, *MNRAS* 494, 4713-4729, 2020.
1761. THE LATE-TIME AFTERGLOW EVOLUTION OF LONG GAMMA-RAY BURSTS GRB 1600625B AND GRB 160509A, T. Kangas, et al. (including K. Misra), *ApJ* 894:43, 14pp, 2020.
1762. LONG-TERM (2008-2018) AEROSOL PROPERTIES AND RADIATIVE EFFECT AT HIGH-ALTITUDE SITES OVER WESTERN TRANS-HIMALAYAS, U. C. Dumka, et al., *STE* 734, 139354 (1-20pp), 2020.
1763. STUDY OF OPEN CLUSTER KING 13 USING CCD VI, 2MASS AND GAIA DR2, A. Durgapal, D. Bisht, G. Rangwal, H. Kaur & R. K. S. Yadav, *NA* 78, 101365 (1-9pp), 2020.
1764. A COMPREHENSIVE STUDY OF OPEN CLUSTERS CZERNIK 14, HAFFNER 14, HAFFNER 17 AND KING 10 USING MULTICOLOUR PHOTOMETRY AND GAIA DR2 ASTROMETRY, D. Bisht, Q. Zhu, R. K. S. Yadav, A. Durgapal & G. Rangwal, *MNRAS* 494, 607-623, 2020.
1765. A SEARCH FOR VARIABLE STARS IN THE FOUR OPEN STAR CLUSTERS, A. Durgapal, G. Rangwal, D. Bisht, H. Kaur, R. K. S. Yadav & J. C. Pandey, *JAA* 41:13, 10pp, 2020.
1766. PHOTOMETRIC STUDY OF THE YOUNG OPEN CLUSTERS IC 1442, KING 21, AND TRUMPLER 7, J. Maurya, Y. C. Joshi & A. S. Gour, *MNRAS* 495, 2496-2508, 2020.
1767. DISCOVERY AND RAPID FOLLOW-UP OBSERVATIONS OF THE UNUSUAL TYPE II SN 2018IVC IN NGC 1068, K. A. Bostroem, et al. (including R. Dastidar, A. Gangopadhyay & K. Misra), *ApJ* 895:31, 20pp, 2020.

1768. UNVEILING THE PHYSICAL CONDITIONS IN NGC 6910, **H. Kaur, et al. (including S. Sharma & N. Panwar)**, *ApJ* 896:29, 17pp, 2020.
1769. A COMPARISON OF X-RAY PHOTON INDICES AMONG THE NARROW- AND BROAD-LINE SEYFERT 1 GALAXIES, **V. Ojha, H. Chand, G. C. Dewangan & S. Rakshit**, *ApJ* 896:95, 22pp, 2020.
1770. TIME/LATITUDE DISTRIBUTION OF PROMINENCES FOR 10 SOLAR CYCLES: A STUDY USING KODAIKANAL, MEUDON, AND KANZELHOHE DATA, **S. Chatterjee, M. Hegde, D. Banerjee, B. Ravindra & S. W. McIntosh**, *ESS* 17:3, 1-16pp, 2020.
1771. ASSESSMENT OF SPATIO-TEMPORAL DISTRIBUTION OF CO₂ OVER GREATER ASIA USING THE WRFCO₂ MODEL, **S. Ballav, M. Naja, P. K. Patra, T. Machida & H. Mukai**, *JESS* 129:80, 16pp, 2020.
1772. UNRAVELING THE NATURE OF A DEEPLY EMBEDDED WOLF-RAYET STAR WR 121A, **Arora, B. Pandey, J. C.**, *ApJ* 891:104, 11pp, 2020.
1773. OPTICAL VARIABILITY OF THREE EXTREME TEV BLAZARS, **Ashwani Pandey, et al. (including A. C. Gupta)**, *MNRAS* 496, 1430-1444, 2020.
1774. PROBING TRANSIT TIMING VARIATION AND ITS POSSIBLE ORIGIN WITH 12 NEW TRANSITS OF TRES-3B, **V. K. Mannaday, et al. (including Y. C. Joshi, A. K. Pandey & S. Joshi)**, *AJ* 160:47, 15pp, 2020.
1775. UNVEILING THE IMPORTANCE OF MAGNETIC FIELDS IN THE EVOLUTION OF DENSE CLUMPS FORMED AT THE WAIST OF BIPOLAR H II REGIONS: A CASE STUDY OF SH 2-201 WITH JCMT SCUBA-2/POL-2, **C. Eswaraiah, et al. (including A. K. Pandey)**, *ApJ* 897:90, 19pp, 2020.
1776. NUSTAR VIEW OF TEV BLAZAR MRK 501, **Ashwani Pandey**, *Galaxies* 8:55, 12pp, 2020.
1777. ANALYSIS OF FULL-DISC Ca II K SPECTROHELIOGRAMS III. PLAGE AREA COMPOSITE SERIES COVERING 1892-2019, **AA** A88, 22pp, 2020.
1778. PECULIAR PROMPT EMISSION AND AFTERGLOW IN THE H.E.S.S.-DETECTED GRB 190829A, **Vikas Chand, et al. (including R. Gupta, Dimple, S. B. Pandey & Amit Kumar)**, *ApJ* 898:42, 13pp, 2020.

DOCTORAL THESES

1. STUDIES OF THE NIGHT AIRGLOW, **P. P. Saxena** (S. D. Sinvhal), *Agra University (April, 1969)*, 1970.
2. STUDIES IN THE COLOURS AND MAGNITUDES OF SHORT PERIOD CEPHEIDS, **S. C. Joshi** (S. D. Sinvhal), *Agra University (Nov., 1969)*, 1970.
3. STUDIES IN ENERGY TRANSPORT THROUGH THE SOLAR ATMOSPHERE, **L. M. Punetha** (M. C. Pande), *Agra University (April, 1971)*, 1972.
4. STUDIES IN ECLIPSING BINARIES, **C. D. Kandpal** (S. D. Sinvhal), *Agra University (July, 1974)*, 1975.
5. SPECTROPHOTOMETRIC STUDIES OF LATE TYPE STARS, **J. P. Chaturvedi** (S. D. Sinvhal & D. Sharma), *Gorakhpur University (Sept., 1974)*, 1975.
6. STUDIES IN SHORT PERIOD CEPHEIDS, **H. S. Mahra** (S. D. Sinvhal), *Agra University (Nov., 1974)*, 1975.
7. STUDIES IN ECLIPSING BINARIES, **J. B. Srivastava** (S. D. Sinvhal), *Agra University (Aug., 1976)*, 1977.
8. MOLECULES IN SUNSPOTS, **V. P. Gaur** (M. C. Pande), *Agra University (Nov., 1977)*, 1977.
9. MOLECULES IN THE SOLAR ATMOSPHERE, **K. Sinha** (M. C. Pande & D. Sharma), *Gorakhpur University (Aug., 1978)*, 1980.
10. STARS IN THE INSTABILITY STRIP OF THE H-R DIAGRAM, **S. K. Gupta** (S. D. Sinvhal), *Agra University (Sep., 1979)*, 1980.
11. STUDIES IN STAR CLUSTERS, **R. Sagar** (S. D. Sinvhal & D. Sharma), *Gorakhpur University (Sep., 1979)*, 1981.
12. STUDIES IN ECLIPSING BINARY SYSTEMS, **T. D. Padalia** (S. D. Sinvhal), *Kumaun University (March, 1980)*, 1981.
13. STUDIES IN STAR CLUSTERS, **U. C. Joshi** (S. D. Sinvhal), *Kumaun University (Nov., 1980)*, 1981.
14. STUDIES OF SUNSPOTS, **G. C. Joshi** (M. C. Pande), *Kumaun University (Nov., 1980)*, 1982.
15. STUDIES IN SOLAR FACULAE, **B. M. Tripathi** (M. C. Pande), *Agra University (Feb., 1981)*, 1981.

16. ABSOLUTE ENERGY DISTRIBUTION IN STARS, **B. S. Rautela** (S. C. Joshi), *Kumaun University (April, 1981)*, 1982.
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vhal), *Kumaun University (March, 1983)*, 1984.
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R. N. Shelke (M. C. Pande), *Kumaun University (Aug., 1985)*, 1986.
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Kumaun University (Sept., 1985), 1988.
20. SPECTROPHOTOMETRIC STUDY OF BE STARS, **P. S. Goraya** (S. C. Joshi & H. S.
Gurm), *Punjabi University (Sept., 1985)*, 1987.
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Pande), *Kumaun University (March, 1986)*, 1988.
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C. Pande), *Kumaun University (July, 1986)*, 1988.
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(Sept., 1987), 1991.
24. PHOTOMETRIC STUDIES IN STAR CLUSTERS, **A. K. Pandey** (H. S. Mahra), *Kumaun*
University (Nov., 1987), 1991.
25. STUDIES OF FACULAR MODELS, **K. R. Bondal** (M. C. Pande), *Kumaun University*
(March, 1988), 1991.
26. SPECTROPHOTOMETRIC STUDIE IN CEPHEIDS, **B. B. Sanwal** (S. C. Joshi), *Kumaun*
University (Dec., 1988), 1991.
27. SOME STUDIES ON SOLAR ACTIVITY, **W. Uddin** (M. C. Pande), *Kumaun University*
(Dec., 1992), 1993.
28. STUDIES IN STAR CLUSTERS, **B. C. Bhatt** (H. S. Mahra), *Kumaun University (May,*
1993), 1993.
29. ACTIVITY FROM SOLAR CYCLE 22, **Anita Joshi** (V. P. Gaur), *Kumaun University*
(Dec., 1996), 1998.
30. ASTROMETRIC AND CCD PHOTOMETRIC STUDIES OF GALACTIC GLOBULAR CLUSTERS,
A. C. Gupta (U. S. Pandey & R. Sagar), *Gorakhpur University (Sept., 1998)*, 1999.
31. PHOTOMETRIC STUDIES OF INTERMEDIATE AND OLD AGE GALACTIC STAR CLUSTERS,
A. K. Durgapal (A. K. Pandey), *Kumaun University (Feb., 2001)*, 2002.

32. SPATIAL STRUCTURE OF GALACTIC STAR CLUSTERS, **Nilakshi (R. Sagar)**, *Kumaun University (June, 2001)*, 2002.
33. MOSAIC CCD CAMERA SYSTEMS: IMPLEMENTATION AND APPLICATION TO ASTRONOMICAL IMAGING, **B. Nagaraja Naidu** (R. Srinivasan & R. Sagar), *Bangalore University (Aug., 2001)*, 2002.
34. A COMPARATIVE INTRA-NIGHT OPTICAL MICRO-VARIABILITY OF HIGH LUMINOSITY AGN CLASSES, **C. S. Stalin** (R. Sagar & Gopal-Krishna), *Kumaun University (Oct., 2002)*, 2003.
35. STUDIES OF YOUNG STELLAR OBJECTS, **R. K. S. Yadav** (R. Sagar), *Kumaun University (Dec., 2002)*, 2003.
36. STUDY OF CATAclysmic VARIABLE STARS, **B. N. Ashoka** (R. Sagar & S. Seetha), *Kumaun University (Feb. 2003)*, 2003.
37. SEARCH FOR MICROLENSING EVENTS USING PIXEL METHOD, **Y. C. Joshi** (A. K. Pandey & D. Narasimha), *Kumaun University (Sep., 2003)*, 2004.
38. SPECTROPHOTOMETRIC STUDIES OF YOUNG STAR CLUSTERS, **B. Kumar** (B. B. Sanwal), *Kumaun University (Feb., 2004)*, 2004.
39. STUDIES OF CHEMICALLY PECULLAR STARS, **S. Joshi** (R. Sagar & P. Martinez), *Kumaun University (July, 2004)*, 2005.
40. STUDIES IN STAR CLUSTERS, **K. Upadhyay**, (U. S. Pandey & A. K. Pandey), *D. D. U. Gorakhpur University (July, 2004)*, 2005.
41. OPTICAL STUDIES OF GRB RELATED EVENTS, **S. B. Pandey** (R. Sagar & D. Bhattacharya), *Kumaun University (June, 2005)*, 2005.
42. OPTICAL STUDIES OF X-RAY PECULIAR CHROMOSPHERICALLY ACTIVE STARS, **J. C. Pandey** (R. Sagar & K. P. Singh), *Kumaun University (August, 2005)*, 2006.
43. PHOTOMETRIC STUDIES OF GALACTIC OPEN STAR CLUSTERS, **Snehlata**, (R. Sagar), *Kumaun University (Dec., 2005)*, 2006.
44. STUDY OF THE SOLAR FLARES AND ASSOCIATED PHENOMENA, **R. Chandra**, (W. Uddin & R. Jain), *Kumaun University (May, 2006)*, 2006.
45. STAR CLUSTERS: A COMPARISON OF THEORETICAL SIMULATIONS WITH OBSERVATIONS, **T. S. Sandhu**, (A. K. Pandey), *Kumaun University (August, 2006)*, 2007.
46. INVESTIGATIONS OF SOLAR FLARES ASSOCIATED ACTIVITIES FROM NEAR-SUN TO INTERPLANETARY MEDIUM, **B. Joshi**, (K. Pandey, P. Pant & P. K. Manoharan), *Kumaun University (April, 2007)*, 2007.
47. STUDY OF THE ERUPTIVE SOLAR EVENTS: FLARES, ERUPTIVE PROMINENCES AND ASSOCIATED CMEs, **S. S. Ali**, (W. Uddin & A. Qaiyum), *Kumaun University (August, 2007)*, 2007.

48. MULTI-WAVELENGTH STUDIES OF ENERGETIC COSMIC EXPLOSIONS, **K. Misra**, (R. Sagar, D. Bhattacharya & K. Pandey), *Kumaun University (December, 2007)*, 2008.
49. CHARACTERISTICS OF AEROSOL SPECTRAL OPTICAL DEPTHS OVER NAINITAL - A HIGH-ALTITUDE STATION IN THE SHIVALIK RANGES OF CENTRAL HIMALAYAS, **U. C. Dumka**, (R. Sagar, K. K. Moorthy & K. Pandey), *Kumaun University (February, 2008)*, 2008.
50. STUDIES OF YOUNG AND INTERMEDIATE AGE OPEN STAR CLUSTERS, **Saurabh**, (A. K. Pandey & K. Pandey), *Kumaun University (March, 2008)*, 2008.
51. STUDIES OF PULSATIONS IN CHEMICALLY PECULIAR STARS, **S. K. Tiwari**, (U. S. Pandey & U. S. Chaubey), *D. D. U. Gorakhpur University (September, 2008)*, 2009.
52. MULTI-WAVELENGTH STUDIES OF X-RAY BINARY SYSTEMS, **R. Kaur**, (R. Sagar), *Kumaun University (April, 2009)*.
53. INTRA-NIGHT OPTICAL VARIABILITY AND THE JET DOMINANCE IN ACTIVE GALACTIC NUCLEI, **A. Goyal**, (R. Sagar), *Kumaun University (December, 2009)*, 2010.
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57. STAR FORMATION IN BRIGHT-RIMMED CLOUDS AND SMALL CLUSTERS ASSOCIATED WITH H II REGIONS, **Neelam**, (**A. K. Pandey & P. S. Rawat**), *Kumaun University (March, 2011)*, 2011.
58. MULTI-WAVELENGTH STUDY OF YOUNG OPEN CLUSTERS, **H. Joshi**, (R. Sagar), *Kumaun University (November, 2010)*, 2011.
59. INITIAL MASS FUNCTION AND STAR FORMATION IN YOUNG STAR CLUSTERS, **J. Jose**, (A. K. Pandey & P. S. Rawat), *Kumaun University (March, 2011)*, 2011.
60. STUDY OF SOLAR ACTIVITY AND SOLAR TERRESTRIAL-LINKS, **N. S. Bankoti**, (K. Pandey, W. Uddin & B. Pande), *Kumaun University (July, 2011)*, 2011.
61. STUDY OF SOLAR FLARES, PROMINENCES AND CMES, **N. C. Joshi**, (K. Pandey, W. Uddin & B. Pande), *Kumaun University (July, 2011)*, 2012.
62. SEARCH AND STUDY OF PULSATING VARIABLE STARS, **C. P. Pandey**, (S. Bisht & B. B. Sanwal), *Kumaun University (October, 2011)*, 2012.
63. WEATHER RESEARCH AND FORECASTING MODEL WITH CHEMISTRY (WRF-CHEM) OVER SOUTH ASIA, **Rajesh Kumar**, (Supervisors: M. Claussen & J. Obenbrugge), (Thesis Committee: M. ClauBen, G. P. Brasseur, K. H. Schluenzen, T. Pohlmann & Manish Naja), *Max-Planck-Institute for Meteorologie (June, 2012)*, 2012.

64. DESIGN AND DEVELOPMENT OF MONOSTATIC PULSED LIDAR (LIGHT DETECTION AND RANGING) FOR ATMOSPHERIC STUDIES OF CENTRAL HIMALAYAS, **Tarun Bangia**, (P. K. Agarwal & Ram Sagar), *Gautam Buddha Technical University, (July, 2012)*, 2012.
65. STUDY ON STAR FORMING REGIONS IN WOLF RAYET GALAXIES, **M. Chrishphin Karthick**, (B. B. Sanwal & S. Bisht), *Kumaun University (April, 2012)*, 2013.
66. LARGE RADIO SOURCES AND EPISODIC NUCLEAR ACTIVITY, **Sumana Nandi**, (H. C. Chandola, Mahendra Singh & D. J. Saikia), *Kumaun University (November, 2012)*, 2013.
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68. X-RAY AND OPTICAL STUDIES OF BLAZARS, **Haritma Gaur**, (A. C. Gupta & U. S. Pandey), *Deen Dayal Upadhyay Gorakhpur University (February, 2013)*, 2013..
69. MULTIWAVELENGTH STUDIES OF GALACTIC STAR FORMING REGIONS, **C. Eswaraiah**, (A. K Pandey & H. C. Chandola), *Kumaun University (March, 2013)*, 2013.
70. STUDY OF OZONE AND OTHER TRACE GASES DISTRIBUTION IN THE LOWER ATMOSPHERE, **N. Ojha**, (M. Naja and H. C. Chandola), *Kumaun University, (May, 2013)*, 2014.
71. LARGE RADIO SOURCES AND THEIR ENVIRONMENT, **Akash Pirya**, (H. C. Chandola and M. Singh), *Kumaun University, (July, 2013)*, 2014.
72. VARIABILITIES IN SURFACE OZONE AND PRECURSORS AT NAINITAL, **Tapaswini Sarangi**, (M. Naja and H. C. Chandola), *Kumaun University, (March, 2014)*, 2014.
73. ASTROMETRIC AND PHOTOMETRIC STUDIES OF STAR CLUSTERS, **Devesh P. Sariya**, (R. S. Yadav), *Pt. Ravishankar Shukla University, (July, 2014)*, 2015.
74. PROBING CENTRAL ENGINE AND ENVIRONMENTS OF ACTIVE GALACTIC NUCLEI, **Ravi Joshi**, (Hum Chand), *Pt. Ravishankar Shukla University, (July, 2014)*, 2015.
75. MULTIWAVELENGTH STUDIES OF STAR FORMING REGIONS, **Ram Kesh Yadav**, (A. K. Pandey), *Kumaun University, (August, 2014)*, 2015.
76. STUDY OF SUPERNOVAE AND MASSIVE STARS AND PROSPECTS WITH THE 4M INTERNATIONAL LIQUID MIRROR TELESCOPE, **Brajesh Kumar**, (S. B. Pandey & Prof. Jean Surdej), *University of Liege, (November, 2014)*, 2014.
77. STUDY OF TRANSIENTS AND WAVES IN THE SOLAR ATMOSPHERE, **P. K. Kayshap**, (A. K. Srivastava), *Pt. Ravishankar Shukla University, (August, 2014)*, 2015.
78. INVESTIGATION OF STAR FORMING REGIONS AND YOUNG STELLAR OBJECTS, **A. Soam**, (M. Gopinathan), *Pt. Ravishankar Shukla University, (March, 2015)*, 2015.
79. THEORETICAL AND NUMERICAL INVESTIGATIONS OF ACCRETION-EJECTION MECHANISM AROUND COMPACT OBJECTS, **Rajiv Kumar**, (Supervisor : I. Chattopadhyay), *Pt. Ravishankar Shukla University, (March, 2015)*, 2016.

80. STUDY OF AEROSOLS CHARACTERISTICS OVER CENTRAL HIMALAYAS, **Hema Joshi**, (Supervisor & Co-Supervisor : M. Naja and H. C. Chandola), *Kumaun University*, (July, 2015), 2016.
81. MULTI-WAVELENGTH INVESTIGATION OF CORE-COLLAPSE SUPERNOVAE, **Subhash Bosh**, (Supervisor & Co-Supervisor : Brijish Kumar and H. C. Chandola), *Kumaun University*, (August, 2015), 2016.
82. A STUDY OF DYNAMICAL ASPECTS OF AEROSOLS OVER THE CENTRAL HIMALAYAN REGION, **Krishna Kumar Shukla**, (Supervisor : D. V. Phanikumar), *Pt. Ravishankar Shukla University*, (December, 2015), 2016.
83. MULTI-WAVELENGTH STUDIES OF ACTIVE GALACTIC NUCLEI, **Jai Bhagwan**, (Supervisor : Alok C. Gupta), *Pt. Ravishankar Shukla University*, (March, 2016), 2017.
84. MULTI-WAVELENGTH STUDIES OF BLAZARS, **Aditi Agarwal**, (Supervisor & Co-Supervisor : Alok C. Gupta and Prof. U. S. Pandey), *Deen Dayal Upadhyay Gorakhpur University*, (July, 2016), 2017.
85. STUDY OF AEROSOL DISTRIBUTION AND ASSOCIATED METEOROLOGY OVER THE CENTRAL HIMALAYAS, **Raman Solaki**, (Supervisors : Narendra Singh and S. K. Dhaka), *Department of Physics & Astrphysics, University of Delhi*, (September, 2016), 2017.
86. STUDIES OF NEARBY STAR FORMING GALAXIES, **Sumit Kumar Jaiswal**, (Supervisor : Amitesh Omar), *Pt. Ravishankar Shukla University*, (August, 2016), 2017.
87. MULTI-BAND STUDIES OF BLAZARS WITH XMM-NEWTON, **Nibedita Kalita**, (Supervisors : Kalpana Duorah and A. C. Gupta), *Department of Physics, Gauhati University*, (November, 2016), 2017.
88. STUDY OF THE TROPOSPHERIC TRACE GASES OVER THE INDIAN SUBCONTINENT, **Piyush Bhardwaj**, (Supervisor & Co-Supervisor: Manish Naja and H. C. Chandola), *Kumaun University*, (July, 2016), 22 October, 2018.
89. STUDY OF GALACTIC STAR FORMING REGIONS AND RELATED INSTRUMENTATION, **Neha Sharma**, (Supervisor : Maheswar Gopinathan), *Pt. Ravishankar Shukla University*, (May, 2017), 26 July, 2018.
90. EVOLUTION OF MAGNETIC ACTIVITIES IN LATE-TYPE STARS, **Subhajeet Karmakar**, (Supervisor: Dr. Jeewan C. Pandey), *Pt. Ravishankar Shukla University*, (July, 2017), 28 August, 2018.
91. SPECTRO-PHOTOMETRIC STUDIES OF STAR-FORMING GALAXIES, **Abhishek Paswan**, (Supervisor: Dr. Amitesh Omar), *Pt. Ravishankar Shukla University*, (January, 2018), 30 July, 2019.
92. MULTI-WAVELENGTH STUDY OF MAGNETIC CATAclysmic VARIABLES, **Arti Joshi**, (Supervisor: Dr. Jeewan C. Pandey and Prof. H. P. Singh), *Delhi University*, (May, 2018), 4 November, 2019.

93. ASTROPHYSICAL JETS IN RELATIVISTIC REGIME: THERMAL AND RADIATIVE DRIVING, **Mukesh Kumar Vyas**, (Supervisor: Indranil Chattopadhyay), *Delhi University, (August, 2018)*, 19 August, 2019.
94. OPTICAL STUDIES OF HYDROGEN DEFICIENT SUPERNOVAE, **Mridweeka Singh**, (Supervisor: Dr. Kuntal Misra), *Pt. Ravishankar Shukla University, (January, 2019)*, 31 July, 2019.
95. MULTIWAVELENGTH STUDIES OF TEV BLAZARS, **Ashwani Pandey**, (Supervisor & Co-Supervisor : Dr. Alok C. Gupta and Prof. S. N. Tiwari), *Deen Dayal Upadhyay Gorakhpur University, (April, 2019)*, 1 November, 2019.
96. ATMOSPHERIC STUDIES USING REMOTE SENSING TECHNIQUES AND IN-SITU MEASUREMENTS OVER THE HIMALAYAN REGION, **Ashish Kumar**, (Supervisor & External Supervisor: Dr. Anshumali & Dr. Narendra Singh), *Indian Institute of Technology (ISM), Dhanbad, (October, 2019)*, 15 November, 2019.