

LIST OF PUBLICATIONS

Aryabhata Research Institute of Observational Sciences
ARIES
(An Autonomous Scientific Research Institute of Department of
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ABBREVIATIONS

ASR: Advances in Space Research
AG: Advances in Geosciences
AA: Astronomy and Astrophysics
AASS: Astronomy and Astrophysics Supplement Series
ACTA: Acta Astronomica
AAQR: Aerosol and Air Quality Research
AJ: Astronomical Journal
AR: Astronomy Reports
ANG: Annals de Geophysique
Ap. B.: Astrophysical Bulletin
Ap. J.: Astrophysical Journal
ApJL: Astrophysical Journal Letter
ApJLSS: Astrophysical Journal Letter Supplement Series
ASP: Astronomical Society of Pacific
ASR: Advances in Space Research
ASS: Astrophysics and Space Science
AE: Atmospheric Environment
ACP: Atmospheric Chemistry Physics
ACP: Atmospheric Pollution Research
AR: Atmospheric Research
ASL: Atmospheric Science Letters
BA: Baltic Astronomy
BLM: Boundary-Layer Meteorology
BAC: Bulletin Astronomical Institute of Czechoslovakia
BAJ: Bulgarian Astronomical Journal
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

ESPR: Environmental Science Pollution Research
GRL : Geophysical Research Letters
IAU: International Astronomical Union
IJRS: International Journal of Remote Sensing
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
IJMP-D: International Journal of Modern Physics D
JAA: Journal of Astrophysics and Astronomy
JAMC: Journal of Applied Meteorology and Climatology
JARS: Journal of Applied Remote Sensing
JASTP: Journal of Atmospheric and Solar Terrestrial Physics
JBAA: Journal of British Astronomical Association
JCAP: Journal of Cosmology and Astroparticle Physics
JESS : Jr. of Earth System Science
JETE : Journal of Engineering and Technology Research
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

RAA: Research in Astronomy and Astrophysics

RSE: Remote Sensing of Environment

RMAA: Revista Mexicana de Astronomiay Astrofisiaca

STE: Science of the Total Environment

SRAE: Scientific Research and Essays

SA: Soviet Astronomy

SP: Solar Physics

SSR: Space Science Reviews

UB: Universe and Beyond

VN: Vac News

ZA: Zeitschrift fur Astrophysik

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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.
17. STUDIES IN ALGOL TYPE ECLIPSING BINARY SYSTEMS, **R. K. Srivastava** (S. D. Sinhal), *Kumaun University (March, 1983)*, 1984.
18. SOME STUDIES OF PROMINENCE CORONAL HOLES AND FLARE RELATED PHENOMENA, **R. N. Shelke** (M. C. Pande), *Kumaun University (Aug., 1985)*, 1986.
19. STUDIES IN EVOLUTION OF CLOSE BINARY STARS, **U. S. Chaubey** (C. D. Kandpal), *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.
21. SOME STUDIES RELATED TO SOLAR FLARES AND PROMINENCES, **P. Pant** (M. C. Pande), *Kumaun University (March, 1986)*, 1988.
22. STUDIES OF SOLAR FLARES, SURGES AND RELATED PHENOMENA, **V. K. Verma** (M. C. Pande), *Kumaun University (July, 1986)*, 1988.
23. STUDIES OF SOME EARLY TYPE STARS, **M. Singh** (M. C. Pande), *Kumaun University (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.
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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)*, 2009.
53. INTRA-NIGHT OPTICAL VARIABILITY AND THE JET DOMINANCE IN ACTIVE GALACTIC NUCLEI, **A. Goyal**, (R. Sagar), *Kumaun University (December, 2009)*, 2010.
54. INVESTIGATION OF MESOSPHERIC VARIABILITY WITH THE HELP OF AIRGLOW EMISSIONS, **A. Guharay**, (B. Pande & P. Pant), *Kumaun University (December, 2009)*, 2010.
55. MULTI-WAVELENGTH STUDY OF SOLAR ERUPTIVE PHENOMENA (SPACE-WEATHER EVENTS) AND THEIR INTERPLANETARY RESPONSE, **P. Kumar**, (W. Uddin, S. Bisht & P. K. Manoharan), *Kumaun University (October, 2010)*, 2011.
56. MULTI-WAVELENGTH STUDIES OF GALACTIC HII REGIONS, **M. R. Samal**, (A. K. Pandey, D. K. Ojha & B. Pande), *Kumaun University (December, 2010)*, 2011.
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.
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59. INITIAL MASS FUNCTION AND STAR FORMATION IN YOUNG STAR CLUSTERS, **J. Jose**, (A. K. Pandey & P. S. Rawat), *Kumaun University (March, 2011)*, 2011.
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