

BULLETIN OF THE ASTRONOMICAL SOCIETY OF INDIA

Volume 36
2008



Published by the Astronomical Society of India

BULLETIN OF THE ASTRONOMICAL SOCIETY OF INDIA

Editor : G.C. Anupama, *Indian Institute of Astrophysics, Bangalore 560 034, India*
e-mail: gca@iiap.res.in

Associate Editor : D.J. Saikia, *National Centre for Radio Astrophysics, TIFR, Pune 411 007, India*
e-mail: djs@ncra.tifr.res.in

Editorial Board :

D. Bhattacharya, *Raman Research Institute, Bangalore 560 080, India*
e-mail: dipankar@rri.res.in

R.D. Cannon, *Anglo Australian Observatory, Australia*
e-mail: rdc@aoepp.aao.gov.au

D.A. Green, *Mullard Radio Astronomy Observatory, England, U.K.*
e-mail: D.A.Green@mrao.ac.uk

T.P. Prabhu, *Indian Institute of Astrophysics, Bangalore 560 034, India*
e-mail: tpp@iiap.res.in

Ram Sagar, *Aryabhata Research Institute for Observational Sciences, Naini Tal, India*
e-mail: sagar@aries.ernet.in

K. Subramanian, *Inter-University Centre for Astronomy and Astrophysics, Pune 411 007, India*
e-mail: kandu@iucaa.ernet.in

V. Trimble, *University of California, Irvine, USA & Las Cumbres Observatory, Goleta, USA*
e-mail: vtrimble@astro.umd.edu

Editorial Assistance : Sandra Rajiva, *Indian Institute of Astrophysics, Bangalore 560034, India.*
e-mail: sandra@iiap.res.in

The Bulletin of the Astronomical Society of India is a quarterly journal published in English, and appearing in March, June, September and December. The Bulletin publishes original research papers, review articles, reports on scientific meetings, reports from astronomical centres, book reviews, and proceedings. Manuscripts should be sent to the Editor. Instructions to authors, should be strictly followed while preparing the manuscripts. **All enquiries related to the publication of papers should be addressed to basi@iiap.res.in or basi@ncra.tifr.res.in**

Subscription Rate (Includes Airmail charges)

Annual Rate :

	Individuals	Institutions & Libraries
India	Rs. 100	Rs. 500
Foreign	US \$ 50	US \$ 100

Single Issue :

India	Rs. 50	Rs. 150
Foreign	US \$ 15	US \$ 30

Subscription should be made payable to Astronomical Society of India and sent to Dr. R.C. Kapoor, (rck@iiap.res.in) Treasurer, Astronomical Society of India, Indian Institute of Astrophysics, Bangalore - 560 034, India.

Volume Contents

Number 1

- 1 **Bazarghan Mahdi** : Automated classification of ELODIE stellar spectral library using probabilistic artificial neural networks
- 55 **S. Chandra and S. V. Shinde** : Anomalous absorption in rhomboidal SiC₃ molecules
- 65 **P. M. S. Namboodiri** : Some properties of merger remnants of interacting galaxies modeled as n=4 polytrope
- 77 **Society Matters**

Numbers 2 & 3

- 79 **Uday K. Gurugubelli, D. K. Sahu, G. C. Anupama and N. K. Chakradhari** : Photometric and spectroscopic evolution of type II-P supernova SN 2004A
- 99 **K. Nagaraju, K. Sankarasubramanian, K. E. Rangarajan, K. B. Ramesh, Jagdev Singh, P. Devendran and Hariharan** : On the performance of a dual-beam polarimeter at Kodaikanal Tower Telescope
- 111 **C. S. Stalin, M. Hegde, D. K. Sahu, P. S. Parihar, G. C. Anupama, B. C. Bhatt and T. P. Prabhu** : Night sky at the Indian Astronomical Observatory during 2000-2008
- 129 **HIGHLIGHTS FROM THE OBSERVATORIES** (Compiled by D. J. Saikia)
- 139 **Society Matters**

Number 4

- 141 **U. S. Kamath, N. M. Ashok and G. C. Anupama** : Nova V4444 Sagittarii 1999 in the early decline and quiescent phases
- 151 **D. Debnath, Sandip K. Chakrabarti, A. Nandi, S. Mandal** : Spectral and timing evolution of GRO J1655-40 during its outburst of 2005

191 **Society Matters**

193 **Author Index**

195 **Subject Index**

(i) **Volume Contents**