



# MARYKUTTY JAMES

## ASSISTANT PROFESSOR



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I predominantly work in the field of X-ray Astronomy and my research areas are X-ray Binary system, Accretion Powered Pulsars and Black Hole Binaries

### WORKSHOP/SEMINAR ATTENDED

- NATIONAL WORKSHOP ON X-RAY ASTRONOMY, FEBRUARY, 2020
- NATIONAL SEMINAR ON ADVANCED ENERGY MATERIALS, DECEMBER, 2019

### FDP/COURSES ATTENDED

- STRIDE FDP PROGRAMME, DECEMBER, 2020
- FDP ON MOODLE LEARNING MANAGEMENT SYSTEM, NOVEMBER, 2020
- REFRESHER COURSE IN ASTRONOMY & ASTROPHYSICS, IUCAA, PUNE, MAY, 2021
- REFRESHER COURSE IN STARS & STELLAR SYSTEM, SWAYAM, FEBRUARY, 2020
- ORIENTATION COURSE, UGC HRDC, KANNUR, 2018
- REFRESHER COURSE IN ASTRONOMY & ASTROPHYSICS, IUCAA, PUNE, 20017

### AREAS OF TEACHING

- Classical Mechanics
- Condensed Matter Physics
- Atomic and Molecular Physics
- Microcontroller

### ACADEMIC HISTORY

- M.G UNIVERSITY, KOTTAYAM & RAMAN RESEARCH INSTITUTE, BANGALORE  
**RESEARCH SCHOLAR** 2008-2012
- RAMAN RESEARCH INSTITUTE  
**VISITING STUDENT** 2007-2008
- ST. GEORGE'S COLLEGE, ARUVITHURA  
**M.SC PHYSICS** 2004-2006
- DEVA MATHA COLLEGE, KURAVILANGADU  
**B.SC PHYSICS** 2001-2004

### MEMBERSHIP IN PROFESSIONAL BODIES

- LIFE TIME MEMBER OF ALL KERALA PHYSICS TEACHERS ASSOCIATION (APT), KERALA

### PUBLICATIONS

- Timing and spectral properties of galactic X-ray Transient SWIFT J1658.8-4242 using AstroSat Observations, ApJ, 887,101J, 2019
- Timing and Spectral studies of transient X-ray Pulsar GX 304-1 during an outburst, MNRAS, 417, 348D, 2011
- RXTE/PCA Observations of 1A1118-61-Timing and Spectral studies during an outburst, MNRAS, 414, 1023, 2011
- Flares, broadening of the pulse frequency peak and qpo in X-ray pulsar 4U 1901+03, MNRAS, 410, 1489, 2011
- Discovery of 0.02 Hz QPO in the transient X-ray pulsar KS 1947+300, MNRAS, 407, 285, 2010
- Development of Thomson X-ray Polarimeter, arXiv,1009.0846, 2010
- Variations in the X-ray eclipse transitions of Cen X-3, RAA, 2010,10.1, 1127D, 2010