

## **IISER Tirupati – Post Doctoral Research Fellowship Program (PDRF)**

IISER Tirupati has an active Post-doctoral Research Program to enable highly motivated young researchers to conduct research in the frontier areas of Science and Technology.

Applications are invited twice a year, in April and October, for appointment of Postdoctoral Research Fellows (PDRF) in the various research areas. These positions are open for candidates with 0-5 years of experience after obtaining PhD degree in related areas. Candidates who have submitted their thesis and awaiting award of degree may also apply. Candidates should provide evidence of having carried out high quality research during or after their Ph. D. program. The award will be initially for one year, with an extension for one more year after review of performance.

PDRFs have to get associated with a specific research group depending upon the research and facilities / mentorship required to carry-out research. It is expected that before the application is made, interested candidates should contact faculty working in the below mentioned research areas at IISER Tirupati and identify a research project with the mentor to host the Fellowship. Applications are invited for PDRFs in Physics in the following areas of research.

- a) *Nonlinear dynamics, complex networks and nonlinear time series analysis, recurrence networks*  
(*Prof G. Ambika*)
- b) *Theoretical condensed matter physics with special emphasis on electronic and transport properties of low-dimensional materials* (*Dr Sudipta Dutta*)
- c) *Astrophysics of Galaxies* (*Dr Arunima Banerjee*)
- d) *Spectroscopy of atomic and molecular ions in gas-phase, ion-molecule reactions (Experimental) & Quantum chemistry calculations of atomic and molecular species in gas-phase (Theory)*(*Dr Sunil Kumar*)
- e) *Fabrication of organic laser devices:*( *Dr. Kanagasekaran*)
- f) *Soft and Active Matter:* (*Dr. Ravikumar Pujala*)

For details of the faculty and their research areas please visit.

[www.iisertirupati.ac.in/people/faculty](http://www.iisertirupati.ac.in/people/faculty)

Candidates will be shortlisted based on the quality of their research work and proposal. The final selection will be made based on all the above criteria, specific area of research and performance in interview, before the final selection is made. Please submit your application online using the link <https://www.jotform.com/90583339428465>

**Last Date for application: April 10, 2019.**

Fellowship: Rs. 47,000 /- p.m + HRA as per GOI rules if the candidate produces the Ph. D. certificate. Otherwise, Rs. 35,000 /-p.m + HRA as per GOI rules for those candidates whose Ph. D. degree is awaited; however, the candidate has to produce a letter from competent authority by stating that the thesis has been submitted and the final viva/defense is pending. Nominal research grant will be available under this program.

Applications of selected candidates may also be forwarded to DST-SERB through the Institute for consideration of financial support. Details of the SERB National Postdoctoral Fellowship (N-PDF) are available at <http://www./serb.gov.in/npdf.php>.