

# POORNAPRAJNA INSTITUTE of SCIENTIFIC RESEARCH

City Campus: No.4, 16<sup>th</sup> Cross, Sadashivnagar, Bengaluru- 560080

Institute Address: No.167, Poornaprajnapura, Bidalur post, Devanahalli, Bengaluru- 562164

Visit us at: [www.ppisr.res.in](http://www.ppisr.res.in)

## Applications are invited for Ph.D. positions

Poornaprajna Institute of Scientific Research (PPISR) was established in 2003 near Bengaluru International Airport on a sprawling area of 32 acres. The institute is Promoted and Managed by Admar Mutt Education Foundation (AMEF). PPISR offers state of the art facilities for young researchers to carry out innovative research in the areas of basic and applied sciences. Three divisions; Materials Science, Biological Sciences and Theoretical Sciences with young and eminent researchers are involved in healthy mix of both basic and applied research. The institute is recognized by Department of Scientific and Industrial Research (DSIR), GOI, New Delhi and Manipal Academy of Higher Education (MAHE) Deemed to be University, Manipal, Karnataka, as an R & D centre. All Faculty members are recognized PhD guides under MAHE, Manipal and the Research Scholars will be registered for their PhD degrees under MAHE, Manipal, recognised as "Institute of Eminence" by Govt. of India. Already many students from PPISR have obtained their Ph.D. degrees from MAHE, Manipal. The quality and progress of research in PPISR is reflected in its cutting-edge research programmes, publications in high impact journals, project awards and several best research paper awards in National and International conferences received by the faculty and students over the last few years.

Broad areas of research carried out in the various divisions of PPISR:

**(i) Materials Science & Catalysis:** Heterogeneous catalysis, Novel catalytic materials, Biodiesel synthesis, Biomass conversion, CO<sub>2</sub> transformations, Mesoporous polymers, Fine and Petrochemical synthesis, Gas to liquid conversion.

**(ii) Biological Sciences:** Structural and functional biology of immune receptors, Structure based drug design, Anti-diabetic compounds, Chemical modification of proteins.

**(iii) Theoretical Sciences:** Quantum information, Foundations of Quantum mechanics, Quantum cryptography, Quantum condensed matter physics, Quantum matter, Quantum many body physics, Space-Time geometry, Topological state of quantum matter, Superconductivity and quantum spin system.

**Applications are invited for PhD positions at PPISR from young enthusiastic researchers in the areas of Materials Science and Catalysis, Biological Sciences and Theoretical Sciences.**

**Eligibility: Candidates with 1<sup>st</sup> class in Masters Degree in Physics, Chemistry, Biology or in other interdisciplinary areas like Materials Science, Biotechnology, Microbiology etc. are eligible to apply.**

**Preference will be given to those with CSIR/UGC-LS and GATE qualifications.**

**Students who secured their own fellowships from National competitive exams such as CSIR-JRF /UGC-JRF/ICMR-JRF/DBT-JRF/JEST/DST- INSPIRE fellowship are also eligible to apply.**

**Fellowship Amount: Rs. 15,000/- Per Month**

**Selection: Based on the performance in the Interview and other credentials**

Depending on the field of interest, candidates can send their detailed bio-data with research experience, if any, to the following emails on or before August 10, 2019

***biology@poornaprajna.org, chemistry@poornaprajna.org or physics@poornaprajna.org***

**Or By Post to: The Director, Poornaprajna Institute of Scientific Research, No.4, 16<sup>th</sup> Cross, Sadashivnagar, Bengaluru- 560080**

### **Research Facilities:**

Some of the Major Research facilities available at the institute are X-ray diffractometer, FT-IR, Fluorescence & UV-VIS, Nanodrop Spectrophotometers, Gas Chromatographs, FPLC, HPLC, Fully Automated High Pressure fixed-bed catalytic reactor, High pressure stirred batch reactors, Flow reactors, Rotary evaporators, Chemisorption equipment, Surface area analyser, Photocatalytic reactor, Crush strength Machine, Attrition tester, Electric extruder, Phase contrast microscope, culture room, -20°C freezers, PCR machine, ELISA Plate reader, high speed cold centrifuge, cryopreservation, Protein crystallization facility, cold-room, Milli-Q water, ice-flaker, Electrophoresis units and the like.

PPISR has many Government and Industry sponsored projects to its credit. The student life at PPISR is enriched by a range of seminars, meetings and workshops. We encourage our students to interact with researchers from other organisations in India and abroad.

**Dr. ANAND B HALGERI  
DIRECTOR**