Ph.D. Programme

CSIR-Central Scientific Instruments Organisation

A National Laboratory under CSIR, Govt. of India

Sector 30-C, Chandigarh

CSIR-CSIO

Admission to Ph.D. Programme
January, 2018 Session

CSIR-Central Scientific Instruments Organisation, a constituent unit of Council of Scientific & Industrial Research , is a premier national laboratory dedicated to research, design and development of scientific and industrial instruments. It is a multi-disciplinary and multi-dimensional apex industrial research & development organisation in the country to stimulate growth of Instrument Industry in India covering wide range and applications such as in the areas of Agrionics; Medical Instrumentation and Prosthetic Devices; Optics and Cockpit based Instrumentation; Fiber/Laser Optics based Sensors & Instrumentation; Analytical Instrumentation; Advanced Materials based Transducers etc. The institute has state of art facilities which includes SEM, Confocal Microscopy, Raman Spectroscopy, XRD, AFM, Optical Coatings and characterization facilities, Optical Fabrication: Conventional Machining, Single Point Diamond Turning, CNC Grinding and Polishing, Magnetorheological Finishing , Contact & Non-contact Interferometers for characterization of Optical components.

CSIR-CSIO invites applications from bright and motivated candidates for Ph.D. programme in Engineering and Physical Science, under the Academy of Scientific and Innovative Research (AcSIR).

CSIR-CSIO: Scaling new heights in Instrumentation

Eligibility Criteria

PhD (Engineering)

- Candidates with a Master's degree in Engineering/Technology/Pharmacy with a good academic record or with a Master's degree in sciences with a good academic record and with a valid GATE score or UGC/CSIR-NET/NBHM or valid CSIR-JRF/SRF or equivalent fellowship. Project Assistants, Senior Research Fellows and CSIR Scientists are also eligible to apply (as per AcSIR Ordinance No. 4(5)).

Direct PhD (Engineering)

- Candidates having following qualifications are eligible to apply:
  - B.E/B.Tech with CGPA 8.5 + Valid GATE/NET (Engg.) (Rank< 2000)
  - B.E/B.Tech with CGPA 8.5 + 2 years experience as PA/CSIR SRF
  - B.E/B.Tech or M.Sc. with CGPA 8.5 and /or Ranked first in University + National level fellowship

Sponsored PhD (Engineering)

- Regular: M.Tech (or equivalent) degree in Engineering*
- Direct: Undergraduate degree in Engineering with CGPA of atleast 8.5 and /or 1st Rank holder in University/ Institution*

PhD (Sciences)

- Candidates with a Master's degree in science or Bachelor's degree in Engineering/Technology with a keen sense of scientific enquiry for pursuing advanced research in areas of Physical and Sciences leading to a Ph.D. degree. The candidate should be having a valid National level fellowship (JRF/SRF of various funding agencies, e.g. CSIR, UGC, DBT, DST etc.), INSPIRE or other equivalent fellowships. Project Assistants, Senior Research Fellows and CSIR Scientists are also eligible to apply (as per AcSIR Ordinance No. 4(5)).

Direct PhD (Sciences)

- Undergraduate degree in Science or allied subjects with at least 8.5 and /or 1st rank holder in University/Institution*.

Sponsored PhD (Sciences)

- Regular: Master's degree in Science*
- Direct: Undergraduate degree in Science or allied subjects with CGPA of atleast 8.5 and /or 1st Rank holder in University/ Institution*

* With endorsement from Industry, Academic or Research Institute for required academic leave and financial support during Program.

Areas of Research

- Avionics
- Optics & Photonics
- Nano-Science, Nano-technology & Nano-photonics
- Advanced Materials & Sensors
- Optical Devices & Systems
- Multi-sensors & Computational Instrumentation
- Seismic Sensors & Systems
- Ubiquitous Analytical Techniques
- Bio-medical Engineering & Instrumentation
- Agrionics
- Precision Mechanical Systems

Interested Candidates who fulfil the eligibility criteria may apply Online for the Ph.D Programme at http://acsir.res.in. Select "CSIR-CSIO" as the CSIR lab preference in the pull-down menu of the application form. For more details log on to www.csio.res.in

Last date for application submission : 1st November, 2017