

**Call for Ph.D. Program (EvenSemester 2017-18)**  
**School of Basic Sciences**  
**Indian Institute of Technology Mandi**

IIT Mandi seeks applications for the Ph.D. program in the School of Basic Sciences (SBS) in the following areas.

**Physical and Chemical Sciences:** Experimental condensed matter physics and nanomaterials, DFT studies of magnetoelectric materials, Experimental Condense Matter Physics, Raman Spectroscopy, Ultrafast Spectroscopic studies of exciton, Multiferroics. Nanotechnology: synthesis of carbon/graphene/dichalcogenaide quantum dots, Target specific drug delivery using nanomaterials, Single molecule blinking in quantum dots, Synthesis of photoswitchable fluorescent probe, Development of continuous flow chemistry methods for the nanoparticle synthesis, Development of Pristine Graphene as a catalyst support, Theoretical Chemistry, Organic synthesis; Organic emissive materials, Multifarious, Energy and photocatalysis

**Mathematics:** Computational Fluid Dynamics (CFD) or in Mathematical Image processing, Differential Equations/ Mathematical Modelling, climate modeling, data assimilation, statistical prediction, Optimization and machine learning respectively.

**Biological Sciences:** Intrinsically disordered proteins , Molecular Diagnostics ,P53 folding ,Cellular immunology: Host pathogen interaction, MicroRNAs and signalling pathways in gliomas, Waste-Water Profiling and Bioprocessing, Next-Generation Sequencing Technology and its Application, Chemical and Biological Nanosensors.

**General Information**

Eligibility and minimum qualifications can be found in the following link:

[http://www.iitmandi.ac.in/academics/ms\\_phd\\_eligibility.php](http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php)

**How to Apply**

Interested candidates are encouraged to fill the online application form available in the following link: <http://oas.iitmandi.ac.in/instituteprocess/Admission/ApplicantLogin.aspx>

**The last date of filling the online application is November 23<sup>rd</sup> , 2017.**

**Institute reserves the right to recruit or not to recruit a candidate in a particular area**

For any problems regarding filling-up of online applications, please contact Mr. Om Shankar Dwivedi (omshankar@iitmandi.ac.in). For any other queries regarding M.S./Ph.D. program in SBS, please contact the SBS office through email: [sbsoffice@iitmandi.ac.in](mailto:sbsoffice@iitmandi.ac.in), [sbsoa1@iitmandi.ac.in](mailto:sbsoa1@iitmandi.ac.in) .We look forward to reviewing your application.

Employed candidates seeking admission to MS/PhD must submit a **“No Objection Certificate from their current employer”**.