

INDIAN INSTITUTE OF TECHNOLOGY MANDI, H.P., INDIA

Advertisement for walk-in interview for Postdoctoral position in a sponsored project

Avdt date: 14th December, 2017

Walk-in interview will be conducted for **Postdoctoral position** in a sponsored project (funded by MHRD, DST, SCL, Mohali (ISRO)). The details are as follows:

Title of the project:

Development of Indigenous Photoresists Technology for Semiconductor Industries: Impact on Indian Economy, Skilled Manpower Development and Employment Possibility (Funded by MHRD and SCL, Mohali (ISRO))

This is a high profile dynamic project for the development of organic and hybrid organic-inorganic polymers for semiconductor industries, particularly for chip fabrication by nanolithography. The postdoc will conduct research at IIT Mandi. Travel to other countries may be required for various experiments at their facilities. Travel is required to various facilities in India for conducting various different requirements for the projects in addition to overseas.

Opening of flowing post:

Postdoctoral fellow (Fellowship: Rs. 45000-80000/month, depending on experience, performance etc)

Expertise we are looking for:

1. Innovative synthetic chemist/synthetic polymer chemist with capability to scale up in multigrams/kilograms. Optimization for batch reactions. Strong instrumentation background in characterization of monomers and polymers would be a plus. Synthetic chemist should have elaborate knowledge of NMR and IR spectroscopy.
2. Person with knowledge in metal nanomaterials synthesis (preferably at the range of 1-10 nm) and surface functionalization, blend preparation and complete characterization. Knowledge of thin film characterization and optimization will be a plus.

The position mentioned above require the ability to work collaboratively in a dynamic group. Person with some industry experience in relevant area may get preference.

The Co-coordinators have the discretion to decide upon the number of candidates to be selected or not to select anyone for this post. The interested candidates may contact us for Skype interaction before walk-in interview.

Investigators: Dr. Subrata Ghosh (PI)
Dr. Pradeep Parameswaren (Co-PI)
Dr. Satinder Sharma (Co-PI)
Associate Professor, IIT Mandi
Prof. Kenneth E. Gonsalves (Consultant)
Visiting Distinguished Professor, IIT Mandi

Duration: 12-24 Months

For postdoc: PhD (awarded or thesis submitted) in relevant areas.

Age Limit: As per the Institute rule.

Age relaxation: upper age limit is relaxable upto 5 years for SC/ST/OBC/Women/Physically challenged candidates

How to contact: Interested and eligible candidates may write us to photoresistIITM@gmail.com and copy to subrata@iitmandi.ac.in, pradeep@iitmandi.ac.in, satinder@iitmandi.ac.in, kenneth@iitmandi.ac.in.

The interested candidates may have to arrange three letters of reference.

For further information, contact: subrata@iitmandi.ac.in, 09459527580

**Date of walk-in interview: January 11,
2018**