



Indian Institute of Technology Indore

Simrol, Khandwa road, Indore, Madhya Pradesh, India 452 020
website: <http://www.iiti.ac.in>

IIT
Indore

Date: May 10, 2016

Advertisement for a Postdoctoral Position in Discipline of Physics

Applications are invited from motivated and eligible candidates for a postdoctoral position in the research project titled “*Investigations on physical properties of thin films and multilayers of perovskite Nickelates*”.

The project is aimed at deposition and study of thin films and multilayers of $RNiO_3$ (R=Rare earth ion). Thin films will be deposited on single-crystal wafers using pulsed laser deposition method. For multilayers, $RNiO_3$ materials will be deposited in combination of other perovskite materials. The number of interfaces and thickness of thin structures will be varied in order to study the influence of strain and interfacial interactions on the physical properties.

Eligibility: Ph.D. in Physics. Please note that you should have defended your Ph.D. dissertation. Experience in synthesis of thin films and multilayers is desirable.

Stipend:

Postdoctoral Fellow will be paid consolidated salary based on the following salary structure of the DST for Research Associate.

Category	Emoluments per month
Research Associate-I	Rs. 36,000/-
Research Associate-II	Rs. 38,000/-
Research Associate-III	Rs. 40,000/-

The category will be decided/recommended by the selection committee based on the qualification/Experience/Performance in the interview of the candidate.

Service conditions:

- DA: Postdoctoral Fellow will not be entitled to DA.
- House Rent Allowance (HRA): All Postdoctoral Fellow may be provided accommodation based on availability and those residing in accommodation provided by the institute will not be eligible for drawing HRA. Wherever provision of hostel accommodation is not possible, HRA may be allowed to Postdoctoral Fellow as per Government norms applicable in the city/location where they are working. The fellowship amount may be taken as basic for calculating the HRA.

(iii) Medical Benefits: The Postdoctoral Fellow will be entitled for medical allowance as per institute policy.

(iv) The travel entitlement for Postdoctoral Fellow for participation in scientific events/workshops in India will continue to be as per institute norms.

Duration: The appointment is for one year.

Interested candidates are requested to submit a detailed CV to *Dr. Krushna R. Mavani* via e-mail: (*krushna@iiti.ac.in*) by 25th May 2016.

Only shortlisted candidates will be intimated by email for an interview. NoTA/DA will be paid for appearing in the interview.