भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भोपाल

Indian Institute of Science Education and Research Bhopal

http://www.iiserb.ac.in

Advt. No: IISERB/DoFA/2020/1   Date: 13/04/2020

Rolling Advertisement for Assistant Professor

IISER Bhopal invites applications for faculty positions at the level of Assistant Professor in the following Departments:

Natural Sciences Stream:

Department	Thrust areas
Biological Sciences	- Stem Cell Research - Metabolomics - Infection Biology - Virtual Biology/Molecular Modelling - Veterinary Sciences - Tissue Engineering
Chemistry	- Medicinal Chemistry - Materials Chemistry - Sustainable & Environmental Chemistry - Surfaces and Interfaces - Organometallic and main group Chemistry - Chemical Physics
Physics	- Biophysics - Plasma physics - Photonics - Device Physics - Quantum information and computation - Experimental high energy Physics - Gravitational wave and Astrophysics - Surface Physics
Mathematics	- Algebraic Geometry and Commutative Algebra - Applied Mathematics - Automorphic forms and Representation theory, Combinatorics and Graph Theory - Geometric Analysis, Geometric Topology, Ergodic Theory, Harmonic Analysis and PDEs, Number Theory, Probability and Statistics
Earth and Environmental	Environmental Impact Assessment and pollution Control

Sciences	/Remediation (including microplastics),
	• Energy resources (mining, exploration, geo-engineering),
	• Atmosphere and Ocean (Dynamics, Chemistry, and Instrumentation),
	• Earth Surface Processes and Critical Zone Studies
	• Geophysics and Geodynamics (seismology, paleomagnetism, planetary interiors, high pressure mineral physics)
	• Paleontology, Sedimentology and Stratigraphy, Geochemistry (Radioactive and Stable Isotope)
	• Metamorphic Petrology, Structural Geology and tectonics

Engineering Sciences Stream:

Department	Thrust areas
Chemical Engineering	• Biosystems Engineering • Micro fluidics and Micro reactors • Sustainability and Energy Engineering • Interfacial Science and Engineering • Reaction Engineering and Catalysis • Transport & separation processes • Process system Engineering control • Membrane Science and Technology
Electrical Engineering and Computer Science	• Cyber Physical Systems • Computer Networking • Control Systems and Robotics • Circuits, Systems and Instrumentation • Data Science and Machine Learning • Embedded systems and Computer Architecture • Operating Systems and Compiler Design • Optics and Photonics, Theoretical Computer Science
Data Sciences and Engineering	• Data Sciences • Machine Learning • Data Structures & Algorithm • Artificial Intelligence • Neural Networks

Humanities and Social Sciences Stream:

Department	Thrust areas
Economic Sciences	• Applied Econometrics • Public Economics • Law & Economics • Intellectual Property Rights • Economics of Big Data and Artificial Intelligence • Urban Economics and Infrastructure • Economics of Networks

	• Environmental Economics • Industrial and Agricultural Economics • Health Economics	
Humanities and Social Sciences	• History • Cognitive Science • Experimental Humanities including Digital • Environmental and Medical Humanities and ELT • Philosophy of Science	

The applicants are requested to click on the Department name of interest to know more about the research areas represented in the Department, their teaching programmes and other activities.

Selection Process:

The applications received for a particular Department are shortlisted by the Department Faculty Advisory Committee (DFAC) on the basis of the application, seminar, and input from faculty members of the concerned area of specialization. Institute Faculty Affairs Committee (IFAC) reviews the report submitted by the DFAC and takes a decision to shortlist candidates to be called for an interview and arrange for the letter of recommendations. Only the shortlisted candidates will be informed by the Institute, about the schedule of interviews as and when conducted.

Application in the prescribed format should be sent to the Head of the respective department(s), with a copy to Dean, Faculty Affairs (Email id: dofa@iiserb.ac.in):

S.No.	Department	E-mail Address
1.	Biological Sciences	hod_bio@iiserb.ac.in
2.	Chemical Engineering	hod_che@iiserb.ac.in
3.	Chemistry	hod_chm@iiserb.ac.in
4.	Data Sciences and Engineering	dofa@iiserb.ac.in
5.	Earth and Environmental Sciences	hod_ees@iiserb.ac.in
6.	Economic Sciences	hod_eco@iiserb.ac.in
7.	Electrical Engineering and Computer	hod_eecs@iiserb.ac.in
8.	Humanities and Social Sciences	hod_hss@iiserb.ac.in
9.	Mathematics	hod_maths@iiserb.ac.in
10.	Physics	hod_phy@iiserb.ac.in

Assistant Professor Grade II:

Eligibility criteria	• Ph.D. with a first class or equivalent at the preceding degree and an excellent academic record throughout, in addition to proven track record of outstanding research ability.

| Salary Structure | • Level 10 with initial pay of ₹ 70,900/-. |
| | • After one year of post Ph.D. experience, the candidates shall be placed in Level 11 with an initial pay of ₹ 73,100/-, subject to evaluation of performance and antecedents. |

Assistant Professor Grade I:

| Eligibility criteria | • Ph.D. with a first class or equivalent at the preceding degree and an excellent academic record throughout, in addition to proven track record of outstanding research ability. |
| | • Minimum 3 years of industrial/ research/ teaching/ experience, excluding however, the experience gained while pursuing Ph.D. |

| Salary Structure | • Level 12 with initial pay of ₹1,01,500/-. |
| | • Candidates possessing the degree of Ph.D. in the relevant discipline and with regular service of 3 years' at Level 12 shall be considered for moving to Level 13A1 with an initial pay of ₹1,31,400/-, subject to evaluation of performance and antecedents. |

Other perquisites/allowances:

- In addition to Pay (as mentioned above), other allowances like DA, HRA, TA, Telephone reimbursement, and Employer's contribution towards NPS shall be as per the GoI norms from time to time. For further queries you may please contact Head of the concerned Department.
- Moving expenses of ₹1,25,000/- (for candidates from abroad) & ₹75,000/- (for candidates within the country) are reimbursed against the bill.
- Every faculty member of IISER Bhopal will be entitled to a fund of ₹1,00,000/- every financial year on reimbursement basis, under Cumulative Professional Development Account (CPDA). CPDA may be revised from time to time as per GoI/BoG approved norms.
- CPDA will be available to meet expenses for participating in both national and international conferences, paying membership fees for professional bodies and buying books.
- Reimbursement of telephone call charges of residential telephone/ mobile phone/ broadband/mobile data/ data card shall be as per entitlement given below:

S.No.	Levels	Ceiling amount in ₹
1.	Level 12 & Level 13 A1	2,250/- p.m. + taxes as applicable
2.	Level 10 & Level 11	1,200/- p.m. + taxes as applicable

- Leave Travel Concession (LTC) by Air for home town and elsewhere in India as per Govt. of India rules along with leave encashment facility.
- Children Education Allowance as per rules.
- Reimbursement of medical expenses of self and dependent family members as per Institute rules.

General information about the posts advertised:

1. Regular faculty positions are open to Indian Nationals and overseas citizens of India (OCI).
2. Appointment of foreign nationals for fixed period on contract basis is permissible.
3. The Institute reserves the right to (i) relax eligibility criteria in exceptional cases; (ii) consider anyone who has not formally applied in response to this advertisement, and (iii) fill the position at lower/higher level than that advertised.
4. In addition to the regular pay, all permanent posts carry House Rent Allowance, Transport Allowance and other allowances as per institute rules. Central Government employees will be covered by New Pension Scheme (NPS) of Govt. of India.
5. The qualifications prescribed should have been obtained after attending regular courses from Recognized Universities/Institutions.
6. Relaxation in age, educational qualification and/or experience will be considered in case of exceptionally meritorious candidates, with the prior approval of the Competent Authority.
7. No interim enquiries/correspondence/communication of any sort will be entertained on the matter.
8. Reservation for SC/ST/OBC/PWD/EWS/Ex-servicemen, etc. will be as per Govt. of India norms.
9. Candidates working in government departments, public sector undertakings and Government funded institutions should apply through proper channel.
10. The eligibility criteria indicated are bare minimum and a mere fulfillment of the same will not entitle the candidates to be called for an interview. If numbers of applications received are large, the Institute may restrict the number of candidates to be called for interview to a reasonable limit on the basis of qualification and experience higher than that of the minimum prescribed in the advertisement.
11. Since this is a rolling advertisement, there is no last date to apply. However, the processing of the applications by the departments will be in different cycles throughout the year.

The date of short-listing will be used to establish eligibility and experience criteria. Based on the qualifications of the candidates and the need of the department concerned, applications received will be processed through duly constituted selection committees.

Dean, Faculty Affairs
(अधिष्ठाता, संकाय मामले)