Department of Environment Studies
Panjab University, Chandigarh (INDIA)

Dr Suman Mor
Professor & Principal Investigator E. Mail: sumanmor@pu.ac.in

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Advertisement for the post of project Scientist-D (Project Research Scientist – III)

Applications are invited from eligible candidates for the following temporary posts in the Research Project entitled **"Economic Analysis of Air Pollution Mitigation Strategies in India".** The post is purely on contract basis and co-terminus with the project term.

Post: Project Scientist D (Project Research Scientist – III)
Salary: Rs. 92,040/- per month (fixed)
Maximum Age Limit in years: 45 years
Candidate should be available for immediate joining, if selected

Qualification:
Essential Qualifications:

- Post Graduate Degree in Environment Engineering/ Environment Science/Atmospheric Sciences/ allied discipline from a recognized institution/ University, with 3 years of relevant research experience in air quality or allied
- Post Graduate Degree in Environment Engineering/ Environment Science/Atmospheric Sciences/ allied discipline from a recognized institution/ University, and PhD with specialisation in air quality

Desirable:

a) Technical Expertise:
- Demonstrated experience in emission inventory development using both Top-Down and Bottom-Up approaches
- Air quality modelling and emission inventory development
- Proficiency in air dispersion modelling software (AERMOD, CALPUFF, WRF-Chem)
- Experience with GIS software (ArcGIS/QGIS) for spatial analysis and gridded emission mapping
- Programming skills in Python/R/MATLAB for data analysis and model development
- Knowledge of satellite data processing for air quality applications

b) Research Experience:
- Published research papers in SCI/SCIE journals on air quality modelling, emission inventory, or related topics
- Experience in source apportionment studies and receptor modelling
- Familiarity with CPCB emission inventory guidelines and USEPA AP-42 methodology
- Experience in policy analysis and regulatory impact assessment

c) Project Management:
- Experience in leading research teams and managing multi-institutional collaborations
- Grant writing and project proposal development experience
- Experience in stakeholder engagement and policy communication

Job Description:

- Lead the development of high-resolution multi-source gridded emissions for 3-7 selected Indian cities

- Design and implement methodology for link-level traffic emission estimation including exhaust and non-exhaust emissions
- Conduct regulatory policy assessment and quantify emission reduction scenarios
- Supervise $PM_{2.5}$ concentration modelling using AERMOD and validate model outputs
- Coordinate with team members for primary data collection and secondary data compilation
- Prepare technical reports, research publications, and policy briefs
- Present findings to stakeholders and participate in project review meetings

Applications along with bio-data and attested copies of certificates and work experience, publications etc should reach to the undersigned latest by 14 November 2026 before 2.00 pm in room no 227, Department of Environment Studies, Panjab University Chandigarh and a copy through email at sumanmor@yahoo.com
Candidate should also fill the google form https://forms.gle/1FBnCa6yUsHtGn5b9 before submitting application with document in the office

The interview date and time will be informed through email to shortlisted candidates. No TA/DA will be paid to attend the interview. The rules and regulations as laid down by Panjab University and/or funding agency will govern the selected candidate.

(Dr Suman Mor)

Project Scientist D (Project Research Scientist – III)

Application for the post _____ Affix Passport Size Photo

Name in Full Dr./ Mr./Mrs./Ms./. _____
(In block letters)

Father's Name: _____

Mother's Name: _____

Date of Birth: _____Age: Gender:

Nationality: _____ Marital status: _____
If Yes than Spouse Name_____

Category: General/ Scheduled Caste/Backward Class/Person with Disability:

Mobile No. **Email.ID.**

WhatsApp Number

Current Address:

Permanent Addresses (In block letters):

Educational Qualification (Please attach one set of attested copies)

Examination	**Univ/ Board**	**Main Subject**	**Years of Passing**	**Marks obtained /Max Marks**	**% Age**
Metric					
12th					
Graduation					
Post Graduation					
PhD					
Any other Exam					

Employment Experience (details in chronological order, starting with first job)

Name & Address Employer/Institution	**Designation**	**Nature of Job**	**Duration**	**Pay**	**Reason for leaving**

Time required to join if selected:

Declaration: I solemnly declare that:

1) The foregoing information is complete and correct. I am not aware of any circumstances Which may impair my fitness for employment in the Punjab University, Chandigarh?

2) I have never been dismissed either from Govt. or from University, College or other public or private Organization service.

3) I have never been prosecuted, kept under detention or bound down/fined, convicted by the court of law for any offence.

Place: _____

Date: _____

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Signature of Applicant