



Department of Environment Studies Panjab University, Chandigarh (INDIA)

Dr Suman Mor

Professor & Principal Investigator

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Advertisement for the post of project Scientist-B (Project Research Scientist – 1)

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 B (Project Research Scientist – 1)

Salary: Rs. 66,080/- per month (fixed)

Maximum Age Limit in years: 35 years

Qualification:

Essential Qualifications:

- First Class Post Graduate Degree in Environment Engineering/ Environment Science/Atmospheric Sciences/ allied discipline, including the integrated PG degrees from a recognized institution/ University,
- Second Class Post Graduate Degree in Environment Engineering/ Environment Science/Atmospheric Sciences/ allied discipline, including the integrated PG degrees with PhD

Desirable:

a) Technical Expertise:

- Demonstrated experience in emission inventory development using both Top-Down and Bottom-Up approaches
- Proficiency in air dispersion modeling 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:

- Minimum 2 years of relevant experience in the area of air quality related research
- Published research papers in SCI/SCIE journals on air quality modeling, emission inventory, or related topics
- Experience in source apportionment studies and receptor modeling
- Familiarity with CPCB emission inventory guidelines and USEPA AP-42 methodology
- Experience in policy analysis and regulatory impact assessment

Job Description:

- Assist in developing emission inventories for various anthropogenic sources (traffic, residential, commercial, industrial)
- Conduct field surveys for primary data collection on activity levels and emission sources
- Process and analyze traffic count data for emission estimation

- Compile emission factors from various databases and literature sources
- Assist in GIS-based spatial allocation of emissions
- Prepare input files for AERMOD dispersion modeling
- Maintain project database and documentation
- Assist in report writing and preparation of research manuscripts
- Coordinate field activities and liaise with local authorities for data collection

Candidate should be available for immediate joining, if selected

Hardcopy of Applications along with bio-data and attested copies of certificates and work experience etc should reach to the undersigned **latest by 22 January 2026 before 2.00 pm in room no 227, Department of Environment Studies, Panjab University Chandigarh.** The application form can be downloaded from Panjab University jobs website link (<https://jobs.puchd.ac.in/list-jobs.php>). Only submitted hardcopy will be considered and no application via email will be considered.

Candidate should also fill the google form <https://forms.gle/2WP2dhqax5JqBPdE7> 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)

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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 _____

Medical Condition, if any:

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					
12 th					
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: _____

Signature of Applicant