



भारतीय प्रौद्योगिकी संस्थान (भा.प्रौ.सं.) इंदौर
खंडवा रोड, सिमरोल, इंदौर 453 552 (मध्य प्रदेश), भारत

Indian Institute of Technology (IIT) Indore
Khandwa Road, Simrol, Indore 453 552 (Madhya Pradesh), India

(June 21, 2023)

Advertisement for Research Associate (RA-01) Position in DRDO CARS Project

Applications are invited from highly motivated and eligible candidates for the position of Research Associate (RA-01) in a DRDO-CARS funded Research Project titled "*Development of multifunctional additives for high performance low temperature lubricants*".

Objectives of the Project: The objective of the project is to design and develop new materials screening, synthesis, process optimization, and characterization of efficient materials as with multifunctional properties as pour point depressants and friction modifier materials as additives for lubricants, and further process optimization and standardization for the bulk-scale synthesis of the best material for application as additives for lubricants.

Eligibility and Requirements:

1. PhD in Chemistry/Materials/Nanomaterials or related field with good experience of working with the synthesis of nanomaterials (e.g. MOF, metal and carbon based materials) and characterization techniques (e.g., Tribology, Rheology, Thermal conductivity, DLS, TEM, SEM, PXRD, BET, XPS, and so on).
2. Candidates with long-term commitment will be preferred.
3. During the project, the selected candidate has to travel to DMSRDE Kanpur (or specified DRDO lab) for the supply of the materials and may have to do some work at DMSRDE Kanpur (or specified DRDO lab) (as per the demand of the project).

Fellowship (per month): Rs. 47,000 + 18% HRA (if hostel accommodation is not provided).

Duration: Initial appointment will be for one year, which is extendable up to a maximum of 3 years (or till the completion/termination of the project, whichever is earlier), solely based on performance.

How to Apply: Highly motivated and eligible candidates are requested to email their detailed CV (describing their academic (starting from 10th standard by mentioning year of passing, university/school, marks) and research background, experience, publication and contact details) to Prof. Sanjay Kumar Singh, Department of Chemistry, Indian Institute of Technology Indore to "sksingh@iiti.ac.in" with subject line "RA application for DRDO-CARS Project" latest by **July 10, 2023**.

Incomplete applications will be rejected.

Only shortlisted candidates will be called for interview. Shortlisted candidates will be intimated by e-mail informing date of interview. No TA/DA will be paid for appearing in the interview (in-person).

Last Date of Application: July 10, 2023

Contact:

Prof. Sanjay Kumar Singh
Department of Chemistry
Indian Institute of Technology Indore
Simrol, Khandwa Road, Indore-453552 (M.P.)
Email: sksingh@iiti.ac.in
Webpage: <http://people.iiti.ac.in/~sksingh/index.html>