

# Positions for Postdoctoral Research Associates

Applications are invited from the citizens of India for two Postdoctoral Research Associate positions for the government sponsored project undertaken in the Center of Excellence System Science, Indian Institute of Technology Jodhpur under the supervision of Dr. Rakesh K Sharma (Chemistry). These positions are initially for a period of 1 Year and tenable only for the duration of the project. The requisite qualification, experience, etc. are given below:

**(I) Position:** Postdoctoral Research Associate; Number of vacancy = 1  
**Project name:** Generation, storage and distribution of solar hydrogen

**Salary:** Rs. 22,000/- per month+ 20% HRA.

**Funding Agency:** Department of Science and Technology-Technology Systems Development Programme

**Eligibility:** PhD in Material Science/ Synthetic Chemistry. A good background in material synthesis and characterization (NMR, SEM, TEM, X-ray diffraction etc) are required. Candidate with experience in water splitting and hydrogen production will be preferred. Candidates who have submitted the thesis and not yet received the PhD degree can also apply.

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**(II) Position:** Postdoctoral Research Associate; Number of vacancy = 1  
**Project name:** Asymmetric Hydrogenation on Carbon Nanotube Surface

**Salary:** Rs. 22,000/- per month+ 20% HRA.

**Funding Agency:** Russian Foundation for Basic Research

**Eligibility:** A Ph.D. in Organic/Inorganic Chemistry or closely related discipline is required. A strong background and demonstrated experience in synthesis and characterization of organic compounds are required. The candidate must be able to work independently and have good oral and written communication skills. Experience or knowledge in some of the following areas is a plus: analytical techniques for studying new materials and chiral molecules (NMR, IR, UV-VIS, ESI-MS, SEM, TEM, X-ray diffraction, HPLC and GC), extractive separations, and crystallization techniques.

Application giving full details of qualification and experience with copies of relevant certificates may be submitted in sealed envelope by February 28, 2013 to Dr. Rakesh Sharma, Academic Block 1, IIT Rajasthan, Old Residency Road, Ratanada, Jodhpur-342 011, Rajasthan or email to: [rks@iitj.ac.in](mailto:rks@iitj.ac.in)