



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్  
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## Advertisement for Recruitment of Post-doctoral Researcher in an ICMR Project

Applications are invited from candidates with excellent academic credentials for a post-doctoral position in an ICMR-sponsored research project to be carried out in the department of chemical engineering at IIT Hyderabad.

<b>Investigator</b>	Dr. Satyavrata Samavedi, Chemical Engineering, IIT Hyderabad
<b>Lab &amp; location</b>	ECM Lab, Chemical Engineering, IIT Hyderabad (Please visit our lab website for more details: <a href="http://samavedi.weebly.com">samavedi.weebly.com</a> )
<b>Position</b>	One Post-doctoral researcher (Project Research Scientist-1 (Non-medical))
<b>Brief description</b>	The position will involve the preparation of formulations for the simultaneous release of multiple drugs/proteins, development of responsive polymeric vehicles for modulated drug release, investigation of drug release mechanisms and elucidation of the molecular state of drugs within formulations using complementary solid-state characterization techniques. The researcher will also be expected to contribute significantly to allied ongoing projects in the ECM Lab, and develop new directions.
<b>Essential qualifications</b>	<ul style="list-style-type: none"><li>• Ph.D. in Pharmaceutical Sciences/Technology or Materials Science &amp; Engineering or Chemical Engineering or Biotechnology or any allied disciplines. Applicants who have submitted their Ph.D. thesis and are waiting for their final thesis defense are also eligible to apply.</li><li>• The maximum age limit is 32 years as on 3<sup>rd</sup> April 2024.</li><li>• Expertise in polymer-based controlled drug/protein release systems.</li></ul>
<b>Desirable qualifications</b>	<ul style="list-style-type: none"><li>• Expertise in developing controlled release polymeric carriers &amp; designing amorphous drug formulations (e.g., solid dispersions), sound knowledge of poorly soluble drugs, drug-excipient/polymer compatibility &amp; drug stability/solubility, and experience with processing biopolymers for modulated release.</li><li>• Strong fundamentals and hands-on experience (including data analysis/interpretation) with techniques such as FTIR, Raman spectroscopy, DSC, XRD, Circular dichroism and HPLC.</li><li>• Additional experience with biotherapeutics (i.e., proteins, cytokines), click chemistry and direct hands-on expertise with animal studies can be helpful in complementing our expertise but are not mandatory.</li></ul>
<b>Period of appointment</b>	Initial appointment will be for 12 months and can be renewed for 2 additional years subject to performance and fund availability.
<b>Salary</b>	Rs. 71,120 per month [Rs. 56,000 basic + 27% HRA] [On-campus accommodation at IIT Hyderabad is subject to availability at the time of appointment. HRA will not be paid if on-campus accommodation is available.]

<p><b>How to apply</b></p>	<p>Eligible applicants should fill out the following form on or <b>before 3<sup>rd</sup> April 2024</b>.  <a href="https://forms.gle/2Da57APScPRAHnY58">https://forms.gle/2Da57APScPRAHnY58</a></p> <p>Please have the following documents ready before filling the form:</p> <ul style="list-style-type: none"> <li>• Age proof document</li> <li>• Curriculum vitae clearly indicating your educational background, work experience (if any), current position, scientific expertise/proficiency and publications/patents list. In your CV, clearly mention your specific contributions against each paper/patent. In your CV, please also list two references who can be contacted if you are shortlisted.</li> <li>• Scanned/Digital copy of masters and PhD degree certificates, transcripts and marksheets.</li> <li>• If thesis has been submitted but defense is pending, please produce an official letter from your PhD institute stating that you have submitted your thesis and have completed all your other requirements for award of degree.</li> <li>• 1-page statement of purpose indicating your career goals, how your prior expertise/experience/interests align with the project, and how you can contribute to the ongoing projects on polymeric biomaterials for controlled drug release in the ECM Lab. Please do not exceed one page.</li> </ul>
<p><b>Selection procedure</b></p>	<ul style="list-style-type: none"> <li>• Applicants will be short-listed by a selection committee based on eligibility and fit with respect to the lab and the project opening. Please note that merely meeting the essential qualifications does not guarantee a call for an interview.</li> <li>• Only short-listed applicants will be intimated via e-mail for an online interview with a selection committee (to be tentatively held in April 2024).</li> <li>• Following the interview, the selected applicant is expected to join within 10 days of receiving the offer.</li> <li>• The committee reserves the right to leave the position vacant if no suitable applicant is found.</li> </ul>