



April 29, 2022

## Advertisement for JRF Position

Applications are invited from motivated and eligible candidates for the position of JRF in a research project entitled “**Drug diffusion studies in Skin-on-a-Chip Devices: Numerical Simulations and Experiments**”, sponsored by Science and Engineering Research Board (SERB), Govt. of India.

-- Last date to Apply: **May 17, 2022 (23:59 hours)** --

(Write to [sdhina@iiti.ac.in](mailto:sdhina@iiti.ac.in) in case you missed the deadline)

### 1. Essential Qualification:

B.E/B.Tech or equivalent degree	<ul style="list-style-type: none"><li>• Mechanical Engineering</li><li>• Chemical Engineering</li><li>• Biomedical Engineering</li><li>• Biotechnology</li><li>• Or any other relevant branch (with a valid GATE Score)</li></ul>	<b>Desirable:</b> <ul style="list-style-type: none"><li>• <b><u>Mechanical /Chemical or relevant branch:</u></b> Knowledge of numerical methods, basic CFD techniques and use of CFD software</li><li>• <b><u>Biomedical Engineering/Biotechnology or relevant branch:</u></b> Knowledge/working experience in Tissue/Cell Culture</li></ul>
M.E/M.Tech or equivalent degree	<ul style="list-style-type: none"><li>• Mechanical Engineering</li><li>• Chemical Engineering</li><li>• Biomedical Engineering</li><li>• Biotechnology</li><li>• Or any other relevant branch</li></ul>	

### 2. Other details

<b>No. of Vacancies</b>	<b>01 JRF Position</b>
<b>Fellowship</b>	Rs. 31,000/month + HRA, as per rules, for a duration of <b>3 Years</b>
<b>How to apply?</b>	<ul style="list-style-type: none"><li>• Send your CV to <a href="mailto:sdhina@iiti.ac.in">sdhina@iiti.ac.in</a> with subject line “Application for SkinChip Project”</li><li>• Also, fill this Google form - <a href="http://www.shorturl.at/cjnIW">www.shorturl.at/cjnIW</a> or <a href="https://forms.gle/eBbazuYCNiqEa2cP7">https://forms.gle/eBbazuYCNiqEa2cP7</a></li></ul>



# INDIAN INSTITUTE OF TECHNOLOGY INDORE

DEPARTMENT OF MECHANICAL ENGINEERING  
KHANDWA ROAD, SIMROL, INDORE - 453 552, INDIA

## NOTE:

- **About the project:**

The project deals with the diffusion of drugs in skin-on-a-chip devices. This involves performing experiments with skin cells in microfluidic chips, and also Computational Fluid Dynamics simulations. **Students with a background in Biomedical Engineering or B.Tech/M.Tech in Biotechnology or a relevant branch, if selected, will be involved only in experimental study.** Students with Mechanical/Chemical or relevant background, if selected, will be involved in CFD simulations.

- **PhD Registration:** The selected candidate may be considered for admission to the PhD program as a regular full time scholar depending on the eligibility criteria of IITI and available extended funding.

- **Hostel:** The selected candidate may get hostel accommodation inside IITI campus based on availability.

- **Details to be included in CV:** Please note that the CV should include contact details (address, mobile phone no., email ID), date of birth, qualifications, research experience and publication details (if any) and contact details of two referees. Complete information of GATE score such as year of passing and validity, discipline, score, marks, all India rank should be mentioned in the CV.

- **Incomplete Applications:** Incomplete applications may not be considered.

- **Shortlisting:** Please note that only shortlisted candidates will be called for the online interview.

- **Missed the deadline?** Contact the PI of the project, in case you missed the deadline.

- **Contacting the PI** - Contact details of PI of the Project are as follows:

Dr. Shanmugam Dhinakaran

Professor, Department of Mechanical Engineering, IIT Indore.

Adjunct Faculty, Dept. of Biosciences and Biomedical Engg., IIT Indore

**Email:** [sdhina@iiti.ac.in](mailto:sdhina@iiti.ac.in),

**WhatsApp Only:** 9111-74-91-91

**Web:** <http://people.iiti.ac.in/~sdhina>