



# SCHOOL OF CHEMICAL SCIENCES

## MAHATMA GANDHI UNIVERSITY

Priyadarshini Hills, Kottayam- 686560

Kerala, India

[e-mail: office.scs@mgu.ac.in](mailto:office.scs@mgu.ac.in)

Phone: 0481 -2731036

08.02.2024

### Notification for Junior Research Fellow (JRF) position

Applications are invited for a JRF position to work on a project titled “*Design and development of low-cost synthetic strategies and Investigation of defect tolerance properties of inorganic semiconductors for semiconductor sensitized solar cell (SSSc) applications.*” at the School of Chemical Sciences, Mahatma Gandhi University (MGU). The duration of the project is 3 years and is funded by SERB, Govt. of India (EEQ/2023/000374).

#### Principal Investigator: Dr. Subila Kurukkal Balakrishnan

Assistant Professor, School of Chemical Sciences,  
Mahatma Gandhi University, Kottayam-686 560, Kerala, India  
Email: [subila@mgu.ac.in](mailto:subila@mgu.ac.in), Mob: +91 9164411019

**Position:** **Junior Research Fellow** (No. of Posts: **One**). The position is likely to be available for **3 years** or till termination of the project, whichever is earlier.

**Age:** Below 28 years

**Qualification:** M. Sc. in Chemistry/ Physics with NET/valid GATE score. In the absence of candidates with NET/GATE, applicants with excellent academic record will be considered.

**Job Description:** The project will involve multi-step thin film synthesis using Closed Sublimation Unit and Spin coating Unit followed by photovoltaic studies. A candidate with research experience in material synthesis and thin film fabrication is desirable.

**Fellowship:** Rs. 31,000 per month for the initial two years and Rs. 35,000 per month for the remaining one year + HRA (as per SERB norms)

Eligible and interested candidates should send their application with a complete CV and other relevant documents as a single PDF file to [subila@mgu.ac.in](mailto:subila@mgu.ac.in). All documents should be mailed on or before 28<sup>th</sup> February 2024. The interview date and details will be informed to the shortlisted candidates via email.

Dr. Subila Kurukkal Balakrishnan (PI)