

# UNIVERSITY OF MAURITIUS

## VACANCY

Applications are invited from suitably qualified candidates for the post of **Research Assistant (Full-Time)**, to work at the Biomaterials, Drug Delivery and Nanotechnology Unit, Centre for Biomedical and Biomaterials Research (CBBR) under the RCA signed between CBBR and MCFI Ltd, for a contractual period of 1 year (renewable).

### Qualifications Required:

- A postgraduate degree in chemistry/biomaterials science/biomedical engineering/biochemistry/agritech or any other related field with a good knowledge in chemistry.

### Profile

Candidates should have:

- Experience in laboratory extraction methods and operation of equipment such as FTIR, UV- Vis spectroscopy
- Experience in *in vitro* testing (MTT assays, ELISA).
- Good research, organization and communication skills.
- Progressive experience with proven ability to adapt to new techniques and technologies.

### Responsibilities & Duties

- Extract active ingredients from seaweeds and other algal species.
- Optimization of extraction procedure and processing methods to qualify for eco standards as far as possible.
- Work on the scaling up of the extraction procedure for industrial application.
- Characterization of the isolates via FTIR, UV- Vis spectroscopy
- *In vitro* cell culture studies which include MTT assays, Elisa tests.
- Carry out required studies to generate data for compiling regulatory ingredient information, technical data sheet, safety data sheet amongst others.
- Procurement and purchasing of materials/ consumables for the project.
- Maintaining equipment, laboratory area and supplies in a neat and professional manner.
- Writing up of a report at the end of each month.
- The ideal candidate should be able to integrate the team of researchers at the BDDN Unit.
- Any other duty as may be assigned by the Principal Investigator within the project.

### Remuneration

A monthly all-inclusive allowance of Rs 25, 525/-, plus travelling expenses by bus.

### Duration of Contract

Appointment will be offered for a contractual period of 1 year. The proposed starting date will be 02 March 2022 and may change depending on the evolution of the COVID-19 pandemic in Mauritius.

### Mode of Application

Letter of application together with a detailed *Curriculum Vitae* and photocopies of qualifications, birth certificate, marriage certificate (if applicable), testimonials and equivalence of qualifications (where applicable) should reach **the Pro-Vice-Chancellor (Academia) (Attention: Principal Investigator: Prof Archana Bhaw-Luximon), University of Mauritius, Réduit**, OR email address [a.luximon@uom.ac.mu](mailto:a.luximon@uom.ac.mu) and copied to [pvcacd@uom.ac.mu](mailto:pvcacd@uom.ac.mu) by **20 February 2022, at latest**.

The envelope should be clearly marked "**Research Assistant for Biomaterials, Drug Delivery and Nanotechnology Unit, CBBR**" on the top right hand corner.

Applications received after the closing date will not be considered.

The University reserves the right:

- to call for interview only the most appropriately and best qualified applicants
- not to make any appointment as a result of this advertisement.
- to conduct a written/aptitude test as and when required.

07 February 2022

Prof S K Sobhee  
Pro-Vice-Chancellor (Academia)