



UNIVERSITY OF MAURITIUS

VACANCY

Applications are invited from suitably qualified candidates for the post of **Research Assistant (Part-Time)**, to work on the research project entitled “**Investigating via Mechanical Characterization Techniques the Transverse Deformation of Bio-Inspired Thin-Walled Tubes Based on the Hierarchical Structure of Bamboo Reproduced through Additive Manufacturing**”, for a contractual period of six (6) months.

Qualifications Required

- A degree in Mechanical Engineering, Chemical Engineering or any degree related to the field of the research project.

Profile

Candidates must have:

- Good research, analytical, communication and scientific writing skills.
- Adequate knowledge in the relevant field of research.
- Good organization and problem solving skills.

Responsibilities & Duties

- Preparation & treatment of raw specimens;
- Mechanical characterization of raw specimens;
- Manufacturing of artificial specimen through additive manufacturing process;
- Mechanical characterization of artificially prepared specimens by using the Universal Testing Equipment;
- Conducting a comprehensive literature review for this research;
- Collect, input and analyze data;
- Report to the Principal Investigator;
- Dissemination of results in peer-reviewed journals and conference proceedings; and
- Perform any other tasks related to the project.

Remuneration

A monthly all-inclusive allowance of Rs13,700/-, plus travelling expenses by bus.

Duration of Contract

Appointment will be offered for an initial contractual period of six (6) months, renewable if required. The proposed starting date will be 16 January 2023.

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 Dean of the Faculty of Engineering (Attention: Dr R.Ramful), University of Mauritius, Réduit**, OR email address (e-mail: r.ramful@uom.ac.mu) and copied to (deanfeng@uom.ac.mu) by 25 November 2022 at latest.

The envelope should be clearly marked “**Research Assistant for the project: Investigating via Mechanical Characterization Techniques the Transverse Deformation of Bio-Inspired Thin-Walled Tubes Based on the Hierarchical Structure of Bamboo Reproduced through Additive Manufacturing**” 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.

20 October 2022

Dean Faculty of Engineering