

**Inter-University Partnership of  
Competitive Research Grant (STHRDP)  
Collaborative Research between Rajarata University of Sri Lanka and Sir John Kotelawala Defence  
University**

**Two Vacancies for Graduate Research Assistant (MPhil)**

**Research area: Natural products**

**About the project:**

The project is aiming to sustainable development of north central province through establishing a functional framework on selected underutilized wild fruit plants in Sri Lanka. This is competitive research grant funded by ADB to encourage collaborative research partnerships in between the Department of Bioprocess Technology, Faculty of Technology, RUSL and the General Sir John Kotelawala Defence University, in or der to strengthen research collaborations to formulate products, process and services in related commercial applications such as nutraceutical, pharmaceutical and cosmeceutical developments using the advanced bioprocess technology, nanotechnology, polymer technology and engineering technology.

**Title of the sub project 01:** Development of antibacterial nano-herbal formulations from underutilized fruit crops available in north central province of Sri Lanka as food additives to prevent food spoilage

**Title of the sub project 02:** Synthesis of nano-nutraceuticals from underutilized fruit crops available in north central province of Sri Lanka for the production of novel value-added food supplements

**Duration:** 2 years

**Key responsibilities:**

- To synthesize nano formulations using extracts of underutilized fruits available in north central province and evaluation of their potential as antimicrobial food additive and as nutraceuticals
- To optimize extraction, fractionation and bioassays of plant extracts and characterization of nanomaterials for the development of novel antimicrobial nano-herbal formulations and value-added food supplements

**Required qualifications:**

- BSc with Chemistry, B. Pharm, BSc in Human Biology, BSc in MLS
- Effective verbal and written communication skills in English

**Monthly stipend:** 60,000 LKR (MPhil registration fee is covered)

**Work locations:** Sir John Kotelawala Defence University and Rajarata University of Sri Lanka

**How to apply:**

Please send your CV with the statement of purpose to Dr. Prasad Jayasooriya (principal investigator) [ADBRJP4@gmail.com](mailto:ADBRJP4@gmail.com) on or before **28/07/2022**. Only shortlisted applicants will be contacted for an interview.

Please mention the subtitle of the project you apply in the covering letter.