



WORK OFFER

Ref. No. IN-2021-B2606-KU

Employer Information

Employer: Faculty of Biotechnology
Biotechnology
Karunya Institute of Technology and Sciences
Karunya Nagar
641114 Coimbatore
India

Website: www.karunya.edu

Location of placement: Karunya Institute of Technology and Sciences
Nearest airport: Coimbatore International Airport
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 400
Business or products: Educational

Student Required

General Discipline: ENGINEERING, Other; BIOLOGICAL AND BIOMEDICAL SCIENCES

Field of Study: Bioengineering and Biomedical Engineering.; Biochemical Engineering.; Biomedical Sciences, General.

Completed years of study: 3

Student status requirements: Required throughout the Internship

Language required: English Excellent (C1, C2)

Required Knowledge and Experiences:

The intern should have basic knowledge in botany, zoology, microbiology, biochemistry, cell biology and immunology. General laboratory etiquette and experience (undergraduate level is sufficient). Laboratory training for the required experiments will be given.

Other requirements:

Work Offered

Extraction and analysis of phytochemicals from medicinal plants and testing them for antioxidant and antimicrobial properties. The intern will identify a plant prevalent around Karunya University or that is available in the local market and will dry it and powder it and extract phytochemicals with various solvents by Soxhlation. If interested, the student can bring plant material from his home country for extraction and analysis. Powdered plant materials are a better alternative. To perform biochemical tests to qualitatively or quantitatively analyze the phytochemicals present in the extract which will be followed by testing for antioxidant properties and also tested for antimicrobial activity against human and animal pathogens. Determination of toxicity of phytochemicals and other agents using Artemia in vivo Toxicity assay. To hatch the eggs and grow the tiny brine shrimp Artemia and perform the toxicity assessment for the given substance and determine the LD50 value by calculating the live/dead shrimp using a microscope.

Number of weeks offered: 6 - 8

Working environment: Research and development

Within the months: 01-JUL-2021 - 15-SEP-2021

Gross pay: 8000 INR / Month

Or within: -

Deduction to be expected: 0%

Company closed within: -

Payment method / time of first payment: Cash /

Latest possible start date:

Accommodation

Canteen at work: Yes

Expected type of accommodation: Student dormitory

Estimated cost of lodging: 5000 INR / Month

Accommodation will be arranged by: IAESTE- LC KARUNYA

Estimated cost of living incl. lodging: 8000 INR / Month

Additional Information

Nomination Information

Deadline for nomination: 15-MAR-2021

Date: 26-JAN-2021

On behalf of receiving country: C Mrinal Ganapathy

INTERNSHIPS

OFFERED THROUGH IAESTE INDIA LC KARUNYA

Karunya Institute of Technology and Sciences was founded with the noble vision to raise professionals and leaders of high academic caliber and unblemished character, nurtured with a strong motivation and commitment to serve humanity. In the three decades of service to higher education, Karunya Institute of Technology and Sciences has made significant progression in teaching-learning, research and consultancy, innovation and transfer of technology, community service, and value education. Karunya also was the pioneer in introducing IAESTE in India. A peaceful environment combined with the essence of spirituality in a scenic ambiance can enthrall your time here.

Our reception events: The South Indian Ramble:

1. KODAIKANAL:



- Kodai Lake:

The star-shaped lake is centrally located in Kodaikanal and is surrounded by the rich green Palani Hills Range, the main watershed for the lake.



- Bear Shola Falls:

Wrapped with dense forests coupled with the chirping of birds, Bear Shola Falls is a little heaven. Also, the forest area of the Western Ghats situated near the falls is a biodiversity hotspot where you can have a rendezvous with our furry friends in the wild.

2. MADURAI:



- Meenakshi Temple:

Of the many attractions that make South India a cultural paradise on earth, Meenakshi Temple is the most iconic and popular one. Located in the heart of the city of Madurai, this historic Hindu temple is an epitome of classic architecture with murals so gorgeous that it will take your breath away.



- Saint Mary's Cathedral:

Located 1 km away from the Palace, St. Mary's Cathedral is a wonderful blend of architectural styles that include European and Roman influences.

3. RAMESWARAM:



- Sea World Aquarium:

It has an awesome collection from the sea world and many aquatic species that houses in the oceans like the Rabbit Fish, Shark, Lobsters and Octopus.

4. DHANUSHKODI:



Dhanushkodi Beach:

- Dhanushkodi lies in the southern tip of Rameshwaram and is bordered by the Bay of Bengal on one side and the Indian Ocean on the other.

And many more...



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