

TOPICS TO BE COVERED :-

- HOW TO WRITE A PROJECT PROPOSAL
- POPULATION GENETICS
- NEXT GENERATION SEQUENCING
- GENOME EDITING TECHNOLOGY

HANDS-ON TRAINING IN PLANT DNA ISOLATION FROM MANGROVES, NEXT GENERATION SEQUENCING ANALYSIS, SSR IDENTIFICATION AND PRIMER DESIGNING, MICROSATELLITE MARKER AMPLIFICATION ANALYSIS AND DNA BARCODING.

REGISTRATION FEE :-

THERE IS NO REGISTRATION FEE, INTERESTED CANDIDATES CAN REGISTER (ON OR BEFORE 22 TH JUNE, 2024) USING THE GOOGLE LINK FORM:

<https://forms.gle/x7p3CSDzmyCKD1qh9>

SELECTION CRITERIA :-

SELECTION WILL BE DONE BASED ON FIRST-COME -FIRST-SERVE BASIS AND THE CONFIRMED CANDIDATES WILL BE NOTIFIED BY EMAIL.THE MAXIMUM NUMBER OF PARTICIPANTS WILL BE TWENTY. DO CONTACT US FOR ANY ENQUIRES VIA E-mail : sreekanthpm.mangrove@gmail.com

ORGANIZING SECRETARY:-

Dr. Sreekanth P.M

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Department of Biotechnology

ORGANIZING COMMITTEE :-

All Plant Biotechnology Faculties
and Students

Address for Communication

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“INTEGRATION AND APPLICATION OF GENOMICS IN MANGROVE CONSERVATION”.

Sponsored by

ANUSANDHAN NATIONAL RESEARCH FOUNDATION (ANRF)
Science and Engineering Research Board,
[SERB]

On

25 and 26 JUNE 2024

Two Days Faculty Training Workshop for the targeted participants from nearby colleges

SERB-SCIENTIFIC -SOCIAL-RESPONSIBILITY POLICY

at

Cochin University of Science and Technology
Department of Biotechnology
Main Campus, Thrikkakara

The Anusandhan National Research Foundation (ANRF) has been established with Anusandhan National Research Foundation (ANRF) 2023 Act. The ANRF aims to seed, grow and promote research and development (R&D) and foster a culture of research and innovation throughout India's universities, colleges, research institutions, and R&D laboratories. ANRF will act as an apex body to provide high-level strategic direction of scientific research in the country as per recommendations of the National Education Policy (NEP). With the establishment of ANRF, the Science and Engineering Research Board (SERB) established by an act of Parliament in 2008 has been subsumed into ANRF. ANRF will forge collaborations among the industry, academia, and government departments and research institutions, and create an interface mechanism for participation and contribution of industries and State governments in addition to the scientific and line ministries.

Science and Engineering Research Board [SERB] has adopted a Scientific Social Responsibility (SSR) policy to imbibe a culture of social commitment among SERB Grantees. The policy intends to effectively utilize the scientific infrastructure and expertise of SERB grantees to benefit other S&T stakeholders, especially the less-endowed researchers and society. SERB Grantees need to undertake some SSR activities during their project period. SSR activities need to be chosen during the submission process. Depending on the activities chosen additional budget would be provided a under separate head to carry out the chosen activities. Fostering research culture In the knowledge- and technology-driven economy, the demand for human resources in science and technology is increasing to a great extent. Therefore, it is imperative to build the basis for a continuous supply of human resources in science and technology. SERB grantee can act as a facilitator in motivating students to pursue research careers through various measures, such as direct interaction with students, conducting workshops, etc. and introduce and inspire members of the academic community to the best practices of research. SERB announce Special Call for Proposals on different themes like Wearable Electronics for Biomedical Applications, Reagent less Organic Synthesis, Selective Fluorination Strategies and Biology of Plants under extreme environments. SERB has been promoting and supporting new ventures under its flagship programs such as CRG, SRG, IRHPA, SUPRA etc. in the areas of Science and Technology ecosystem growth. Additionally, to support areas which require immediate scientific intervention & attention. Scientific research which are meant to address the key scientific gaps in the specific discipline or to provide better technological solution to a particular problem.

Cochin University Of Science And Technology is a premier institute of the country. It was established in 1971, located in Kochi (Cochin), is a major port city on the Malabar Coast of India, Ernakulam, Kerala. CUSAT has consecutively been figured in the Times Higher Education World Ranking since 2017. The Times ranks around 1500 best universities worldwide annually with around 60 universities from India out of 967. CUSAT has also found a place in the QS World University Ranking and the National Institutional Ranking Framework (NIRF) of the Indian Government. During the intervening four and half decades, CUSAT has made quantum leaps in its academic pursuits and has spread its wings far and wide, encompassing the novel and emerging realms of the horizon of knowledge. The University has entered into several collaborative ventures with reputed Universities and Institutions worldwide. Scores of National and International academic discourses, seminars, workshops, etc., are held in the University every year, providing opportunities for the student community to update themselves in their respective fields of study. CUSAT has bagged the prestigious Chancellors Award for best multidisciplinary Universities in the State three times in the years 2017, 2019 and 2020.

The Department Of Biotechnology was established in 1991, under the Faculty of Sciences for postgraduate teaching and research in the emerging area of Biotechnology. The Department offers an MSc in Biotechnology and an MSc in Microbiology. The programme has been designed in such a way that the students are well trained in state-of-the-art techniques in the world of molecular biology, genetic engineering, bio-informatics, plant biotechnology, molecular neurobiology, microbiology and immunology. The theoretical and practical knowledge acquired by the student during the first three semesters is perfected through intensive dissertation work during the fourth semester. Topically relevant problems are identified for the purpose so as to impart training in identification and execution of research problems and interpretation of data. Most of the M. Sc. students opt for research programmes in national/international laboratories after they complete their course. They also find employment in industries, educational institutions and other organizations involved in R & D and also in medical, pharmaceutical, agricultural and environmental biotechnology sectors. The Department has many achievements to its credit. More than 93 PhDs have been awarded to date and there are more than 200 publications to its credit. The Department is also amongst the few at the National level to have been selected for special assistance from DST (Govt. of India) under the FIST (Fund for Improvement of S & T infrastructure) both in 2003(2003-08) and in 2009(2009-2014). In addition, there are also several externally funded research projects and schemes sponsored by DBT, DST, UGC, CSIR, DOD, MoES, ICAR, ICMR, etc.