



Science Academies' Refresher Course on "Bioprospection of bioresources: Present Scenario"
at



Department of Environmental Sciences, Bharathiar University, Coimbatore-641 046

27th March-10th April 2024

Sponsored by

**Indian Academy of Sciences, Bangalore
Indian National Science Academy, New Delhi
The National Academy of Sciences, India, Prayagraj**

Refresher courses on "Bioprospection of bioresources: Present Scenario" will be held at **Department of Environmental Sciences, Bharathiar University, Coimbatore-641046, Tamil Nadu for two weeks from 27th March-10th April 2024**. Both lecture and the experiments will be covered and it is highly useful to the faculties from various Universities, autonomous Colleges, and advanced science institutions. Besides, it can be taken forward by R&D institutions.

The principal goal of the refresher course is to enhance the methods of teaching and familiarize present scenario on bioprospection of bioresources. It offers a full route to the zone of sustainable use of bioresources; conservation of bioresources; and socioeconomic and scientific development. The biological resources are sources of many major economies in the world and livelihood options for rural, remote tribes. Biological resources are used in food, fuel, cosmetics, pharmaceuticals, traditional medicines, nutraceutical industries, etc. Bioprospecting has commercial importance since it provides scope for the generation of revenue by combining traditional knowledge and genetic information. The content of this refresher course is the systematic and organized search for useful products derived from bioresources including plants, microorganisms, animals, etc., that can be developed further for commercialization and overall benefits of the society, and it is structured to fulfil the intention of

upliftment in recent practical knowledge of students who is going through the track of biological sciences. This programme provides an overview and perspective on the recent trends in the bioprospection of bioresources. The practical segment of the course will provide the knowledge in the areas such as microscopic techniques, bioprospecting of microbial diversity, various modern tools for conservation, molecular biology techniques like DNA technology, PCR so on. Special lectures on relevant scientific topics by distinguished scientists would be there along with the practical session.

Applications are invited from **teachers with experience in teaching undergraduate/postgraduate courses** in Life Sciences. Applications from **highly motivated Research Scholars** will also be considered. Maximum 35 applications will be considered. Teachers who wish to participate in the refresher course may apply through proper channel with the following details: name, date of birth, gender, e-mail, official and residential addresses, telephone numbers, academic qualifications, courses taught, affiliation, positions held and tenure. It is also essential to submit a **brief statement (in about 100 words)** why you want to attend this course and your expectations from the course. There will be **NO** application fee/registration fee.

Applications should be submitted ONLINE by clicking the following link:

<https://webjapps.ias.ac.in/Refreshcourse/RBBB.jsp>

A print copy of the application must also be sent by speed post/courier forwarded by the head of the institution. It should be reached to Dr. R. Rajkumar, Course Coordinator, Science Academies' Refresher course, Assistant Professor, Department of Environmental Sciences, Bharathiar University, Coimbatore -641 046. Outstation candidates will be provided local hospitality and round trip bus/train (three- tier AC) fare by the shortest route.

Course Director: Dr. D. J. BAGYARAJ, NASI Honorary Scientist & Chairman, Centre for Natural Biological Resources and Community Development, Bangalore- 560 024

Course Coordinator: Dr. R. Rajkumar, Assistant Professor, Department of Environmental Sciences, Bharathiar University, Coimbatore-641 046, Tamil Nadu, Email: drrajkumar@buc.edu.in;
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Last date for receipt of applications on or before 24th March 2024

Selected participants will be informed on 25th March 2024