



National Workshop on 3G Biofuel Production and Processing

23 & 24 July, 2026

Organized by
Department of Environmental Sciences
Bharathiar University

Sponsored by
Rashtriya Uchchatar Shiksha Abhiyan (RUSA 2.0)



Venue:
Seminar Hall,
Department of Environmental Sciences,
Bharathiar University, Coimbatore

ABOUT THE PROGRAM

The workshop aims to provide participants with a comprehensive understanding of third-generation (3G) biofuel production using microalgae, a promising renewable feedstock for sustainable energy. Owing to their rapid growth, high biomass productivity, carbon dioxide sequestration potential, and ability to recover nutrients from wastewater, microalgae have emerged as an effective platform for renewable energy production and environmental sustainability. The programme will highlight recent advances in algal biotechnology and their contribution to the United Nations Sustainable Development Goals (SDGs), particularly SDG 6 (Clean Water and Sanitation), SDG 7 (Affordable and Clean Energy), SDG 9 (Industry, Innovation and Infrastructure), SDG 12 (Responsible Consumption and Production), and SDG 13 (Climate Action).

The programme will combine expert lectures with hands-on laboratory training covering the major stages of microalgae-based biofuel production. Practical sessions will include algal isolation and axenic culture preparation, microalgal cultivation methods, biomass harvesting and scale-up, conversion of biofuel techniques, and the characterization of biofuels etc.,

The workshop is open to students, research scholars, and young researchers from the Universities, Colleges and other academic & research institutions. It offers an excellent opportunity to develop practical skills, interact with experts, and gain valuable insights into algal technology, sustainable biofuel production, and emerging bioenergy technologies.

ELIGIBILITY CRITERIA

- Research scholars, postgraduate students and other professionals from the fields of Environmental Sciences, Microbiology, Biotechnology, Botany, Biochemistry and other allied disciplines are eligible to apply.
- Interested Candidates should have to register through google application form provided below on or before 17.07.2026.
- The list of selected participants will be communicated through their registered email addresses on 18.07.2026.
- A maximum of 70 applicants will be admitted on a first-come, first-served basis. Admission to the workshop will be subject to successful registration and availability of seats.
- There is no registration fee for the participants.

Google Form Link:

<https://docs.google.com/forms/d/1kepTlfZnccNYuJVbwb-PDZmdpcCkIpR9jQOoVC-zRds/edit?pli=1>



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