



Bharathidasan University, Tiruchirappalli.
Department of Environmental Science and
Management ; and Department of
Biotechnology Jointly organizing ,
UGC-RUSA 2.0 Sponsored
Two-Day National Seminar Cum Workshop
on

Biochar Innovation: Techniques for a
Greener Future

September 30th & October 1st 2024

Biochar, a carbon-rich product derived from organic waste, holds significant potential in addressing pressing issues such as soil degradation, waste management, and climate change. **Biochar innovation is playing a key role in advancing sustainable solutions for a greener future, offering exciting opportunities in agriculture, waste management, energy production, and climate change mitigation.**

Scope of the event

This seminar cum workshop not only highlights the latest advancements in Biochar technology but also provides a platform for cross-sector collaboration, knowledge sharing, and practical skill development; are crucial for advancing the adoption of Biochar on a larger scale, ultimately leading to more sustainable environmental practices and a greener future.

About the University

Bharathidasan University located in Tiruchirappalli, Tamil Nadu came into existence in 1982, and got its name after the great revolutionary Tamil Poet, Bharathidasan (1891-1964). The university motto is "We will create a brave new world" that has been framed from Bharathidasan's poetic words "புதியதோர் உலகம் செய்வோம்". The University endeavors to be true to such a vision by creating in the region a brave new world of academic innovation for social change. The University has 4 Faculties, 16 Schools, 37 Departments and 29 Specialized Research Centers. Around 151 programmes. are being offered to cater the needs of the students from different parts of the country and even from abroad. The University has been adjudged as one of the most reputed Universities in the country. The institution continues to make rapid changes in various fields of higher education and research.

About the department(s)

The Department of Environmental Sciences and Management was established in 2005 (previously the Department of Environmental Management) has made tremendous progress in academic instruction, research, and outreach initiatives. The department's origins are rooted in the fundamental concepts of holistic approaches to sustainable development. Since its foundation, the department has focused on multidisciplinary and integrated scientific links to trace environmental processes, ecosystem deterioration, the effects of development on environmental components, and future concerns, such as ecosystem resilience.

The Department of Biotechnology is the largest department at Bharathidasan University in terms of courses and PG students' strength since 1993. Offering M.Sc. biotechnology, M.Phil. biotechnology, M.Tech (integrated) biotechnology, and PhD coursework, nanobiotechnology, industrial biotechnology, plant genetic engineering, molecular microbiology, and energy are considered to be the areas of important research. The department's goal is to supplement the needs of the nation with skilled labor in several biotechnology fields.

Significance of the event

Biochar serves as a versatile tool for improving soil health, sequestering carbon, and promoting sustainable agricultural practices. **It is becoming increasingly important in green business startups** due to its wide range of environmental, economic, and social benefits.

Objectives

- To highlight the latest advancements in biochar technology.
- Disseminating cutting-edge research.
- Promoting best practices and fostering collaboration among academics, industry leaders, policymakers, and practitioners.
- **Accrue (ecopreneur)—a skill for start-ups/green business.**

Session highlights

Day1

1.Biochar Basics: Science, Production, and Benefits
2.Innovative Applications of Biochar in Agriculture & Waste Management

Day 2

3.Biochar and Carbon Sequestration: Tackling Climate Change
4.Scaling Biochar Technologies: Challenges, Opportunities, and Policy Frameworks

5. Practical session: Basics of making biochar & quality analyses

ORGANIZING COMMITTEE

CHIEF PATRON

Prof. M. Selvam, Hon'ble Vice- Chancellor
Bharathidasan University
Tiruchirappalli 620 024

PATRON

Dr. R. Kalidasan

Registrar i/c
Bharathidasan University
Tiruchirappalli 620 024

EXECUTIVE COMMITTEE

Dr.M.Prashanthi Devi Prof& Head

Prof.Dr.R.Mohanraj

Dept. of Environmental Science & Management
Bharathidasan University
Tiruchirappalli 620 024

ORGANIZING SECRETARIES

Dr.S.Sivaramakrishnan
Professor and Head
Dept. of Biotechnology
Bharathidasan University
Tiruchirappalli 620 024

Lt. Dr. N. D. Shrinithiviahshini
& Associate Professor ,
Dept. of Environmental Science & Management, Bharathidasan University
Tiruchirappalli 620 02

Registration opening & closing dates 15th to 25 th Sep. 2024
Registration Fee 250 /- (INR)/For late & Spot registration 300/-
Contact: [8220462611](tel:8220462611) email:nds@bdu.ac.in/

Link for Registration:

<https://docs.google.com/forms/d/13cpPFV0JskKqxWayfyAnEVA8ibVJ5x-grddv6bILSkA/prefill>

Welcome

to the Scientific event!