

NATIONAL ADVISORY COMMITTEE

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Pro-Vice Chancellor, B.S. Abdur Rahman Crescent Institute of Science and Technology (Deemed to be University)
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Professor, Department of Botany, Panjab University, Panjab, India.

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Dr. GYAN SINGH SHEKHAWAT

Professor and Head, Department of Botany, Jai Narain Vyas
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Professor, Department of Biotechnology, Alagappa University,
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Dr. P. PALANI

Director and Head, Department of Centre for Advanced Study in
Botany, University of Madras, Chennai, Tamil Nadu, India.

Dr. T. MUTHUKUMAR

Professor, Department of Botany, Bharathiar University, Coimbatore,
Tamil Nadu, India.

Dr. V. RAJESH KANNAN

Professor and Head, Department of Microbiology, Bharathidasan
University, Tiruchirappalli, Tamil Nadu, India.

Dr. SIVA RAMAMOORTHY

Senior Professor and Dean, School of Biosciences & Technology,
Department Biotechnology, Vellore Institute of Technology, Vellore,
Tamil Nadu, India.

IMPORTANT DATES

- Last date for abstract submission : 10th February 2025
- Selection and confirmation of abstracts : 15th February 2025
- Last date for registration : 20th February 2025
- Date of Seminar : 26th & 27th February 2025

ONLINE REGISTRATION

- Participants are requested to submit their abstracts (Oral/Poster) not exceeding 200 words, typed on A4-sized paper. The abstract should include the title, author's name, and institutional address.
- The poster presentation should adhere to the prescribed size of A0 (84.1 cm x 118.8 cm) and be prepared using eco-friendly materials.
- Awards will be given to the best oral and poster presentations selected by the panel.
- Participants are requested to fill out the registration form and upload their abstracts using the following link: forms.gle/bfYD8AM8tabtwKtL6.
- Participants from other states can attend through online mode. Link will be provided before the seminar commence.
- Soft copy of the Proceedings will be shared to all registered participants through email.

REGISTRATION FEES

- UG/PG Students : Rs. 250/-
- Scholars : Rs. 300/-
- Staff/Industrialists : Rs. 500/-

Registration fee includes conference kit, lunch and certificate.

BANK ACCOUNT DETAILS FOR PAYMENT

- Account Name : Jamal Mohamed College
- Current Account Number : 0467 0200 0000 009
- Name of the Bank : Indian Overseas Bank
- Branch : IOB JMC Branch, Tiruchirappalli
- IFSC Code : IOBA0000467
- MICR Code : 620020010

* Money should be transferred only through domestic bank accounts



FOR REGISTRATION



FOR PAYMENT

Note: Accommodation should be arranged by the participants themselves.

For Further Details, feel free to contact the Organizing Secretary

Dr. N. AHAMED SHERIF

Assistant Professor of Botany
Organizing Secretary for BES-2025
Email: botsemjmc@gmail.com
Mobile: 9894637172



NATIONAL SEMINAR

On

BIOINNOVATIONS FOR ENVIRONMENTAL SUSTAINABILITY (BES-2025)

(Blended Mode)

Sponsored by

TAMILNADU STATE COUNCIL FOR SCIENCE & TECHNOLOGY

GOVERNMENT OF TAMIL NADU

26th & 27th February 2025



Organized by

PG AND RESEARCH DEPARTMENT OF BOTANY

**JAMAL MOHAMED COLLEGE
(AUTONOMOUS)**

Accredited with A⁺⁺ Grade by NAAC (4th Cycle) with CGPA 3.69 out of 4.0

(Affiliated to Bharathidasan University)

Tiruchirappalli – 620 020, Tamil Nadu, India

ABOUT THE COLLEGE

Jamal Mohamed College was founded by the noble vision of two great philanthropists and freedom fighters, Janab M. Jamal Mohamed Sahib and Janab N. M. Khajamian Rowther in 1951 with a motto to spread knowledge among the poor and downtrodden section of the society. From its humble beginning with an initial strength of 12 staff members and 250 students, the college has grown on to become a multi faculty institution offering 34 UG Programmes, 28 PG Programmes and 17 Doctoral Programmes. With a staff strength of 527, it provides higher education with moral and ethical values to over 10,000 students and occupies a unique place in the academic firmament of our nation. With the blessings of the Almighty and the support of the well wishers, the college is marching ahead towards eternal glory. Its excellence found reflection when it was conferred the autonomy status by the UGC and Bharathidasan University in the year 2004 and was accredited at the A++ level by National Assessment and Accreditation Council (NAAC; 4th Cycle) with CGPA 3.69 out of 4.0 during the year 2023-2024 and secured 59th position in the National Institutional Ranking Framework (NIRF) in 2024. .

ABOUT THE DEPARTMENT

The PG and Research Department of Botany, Jamal Mohamed College was established in 1967 as a UG department and upgraded to PG level in 1985. It was elevated as a research department offering M.Phil and Ph.D programme from 2002. The department has excellent infrastructural, library and laboratory facilities with such advanced instruments such as High Performance Liquid Chromatography (HPLC), 2-Dimensional gel electrophoresis, UV-visible spectrophotometer, Thermocycler, Incubated shaker, and Plant tissue culture and Molecular Biology Lab facility to pursue research of high standards. Keeping pace with the advances in science and technology, the department has been updating the curriculum regularly. The department has successfully completed the University Grants Commission sponsored Innovative programme - PG Diploma in Biodiversity Informatics during 2013 - 2018 with a grant of Rs.55 lakhs for infrastructures and additionally financial support for two Assistant Professors. In the year 2018, the department was recognized by the Department of Science and Technology for improving the instrumentation facility under the FIST (phase - II) programme and for the improvement of its Undergraduate programme under DBT Star College Scheme by the Department of Biotechnology, Government of India in the year 2019. The department has received Extramural Grants from various funding agencies like DST, DBT, UGC, and TNSCST

to conduct research, National seminars, workshops, and hands-on training programmes to the tune of more than 60 lakhs. More than 70 research scholars have been awarded Ph.D. degrees from the department and as high as 170 research articles were published in well reputed journals. Further, the department regularly conducts internship programme for students in the fields of Biochemistry, Plant Tissue Culture, Molecular Biology, Spirulina cultivation, Spatial Informatics and Biostatistics etc. The UG and PG students of the department constantly bring laurels by securing ranks in the Bharathidasan University Combined Ranking Examination every year.

ABOUT THE SEMINAR

The unprecedented population growth has led to exploitation of natural resources for meeting the ever growing requirements. This has led to habitat loss, pollution and greater emission of greenhouse gases and increased deforestation rate. The drastic changes in climate significantly affect the global ecosystem. Environmental sustainability and conservation of the ecosystem are the key to support human wellbeing and food security. Social, environmental, and economic conditions prevailing in the region influence the need of sustainable management of environment. For achieving sustainability for future generation, the United Nations has set Global goals for Sustainable Development i.e. SDG -2030. Among Sustainable Development Goals Ecosystem Perspective Sustainable SDG 13, 14 and 15 goals targets pertain to climate change, conservation, and protection of ecosystem respectively. i.e.

- Goal 13 : Take urgent action to combat climate change and its impacts
- Goal 14 : Conserve and sustainably use the oceans, seas, and marine resources for sustainable development
- Goal 15 : Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

For achieving the above said goals of SDG 2030 creation of eco-friendly innovative ideas especially green energy, agriculture production and food security, conserving of land resources, mitigation, and adaptation technologies for climate change events at national level are required. Also, development of bioinnovation based geographic and environment specific processes and products which influence the bio economy at the regional as well as national level are needed. With this background the "National Seminar on Bioinnovations for Environmental Sustainability" has been conceived to impart knowledge on the frontier areas in applied biology and to develop products for sustainable future.

THRUST AREAS

- Artificial Intelligence in Life Sciences
- Agricultural Sciences
- Biodiversity and Conservation
- Bio-nanotechnology
- Compost, Waste and Water recycling Technology
- Innovative Models
- Microbial Technology
- Phytochemistry, Toxicology and Drug discovery

ORGANIZING COMMITTEE

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