



Dr. Varghese K. Cheriyan
Principal, MACFAST



Fr. Dr. Thomaskutty
Pathinettil
Manager & Administrator, MACFAST



Dr. Sreekumar S
Director,
KSCSTE - JNTBGR



Dr. Rameshkumar K.B
Senior Principal Scientist, KSCSTE - JNTBGR
Convener, BIOSPECTRUM 2K26



Dr. Basil George
Assistant Professor, CMS College, Kottayam
Coordinator, BIOSPECTRUM 2K26

Inauguration



Dr. A Biju Kumar
Vice chancellor, KUFOE

International & National Speakers



Dr. Shijulal Nelson Sathi
Scientist E-1, RCCB



Dr. Rajeev R Nair
Head, Viral Vector core,
NTNU, Norway



Dr. Intan Safinar
Associate Professor,
University Putra, Malaysia



Dr. Binod P
Scientist E,
CSIR - MIIST



Dr. Copalkrishna Sreejit
Research Scientist,
NYU, Langone



Dr. Ekene Emmanuel Nweke
Associate Professor,
University of Witwatersrand,
South Africa



Dr. Jitcy Joseph
(Ph. Sci. Nat.),
Senior Medical Scientist,
Toxicology and Biochemistry, NIOH
South Africa



Dr. V B Sameer Kumar
Professor,
Central University Of Kerala



Dr. Rajesh Raju
Professor & Director (ICODS),
Vineyaya University



Dr. Brilliant Rajan
Associate Professor,
Department of Environmental Science,
St. Johns College, Anirudh



Dr. Jenny Jacob
Convener, BIOSPECTRUM 2K26



Dr. Teena Merlin
Convener, BIOSPECTRUM 2K26



Mr. Stephen James
Coordinator, BIOSPECTRUM 2K26

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Dr. Varghese K. Cheriyan, Principal, MACFAST
Fr. Dr. Thomaskutty Pathinettil, Manager & Administrator, MACFAST

Conference Chair

Dr. Sreekumar S, Director, KSCSTE-JNTBGR

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Dr. Teena Merlin, MACFAST

Coordinators

Dr. Basil George, Assistant professor, CMS College, Kottayam
Mr. Stephen James, Assistant professor, MACFAST

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Contact

Phone: 8075567847, 9744960667
Email: biospectrum@macfast.org



MACFAST
Autonomous



BIOSPECTRUM 2K26 International Conference on Recent Advances in Biological Sciences

Department of Biosciences & IQAC
Mar Athanasios College For
Advanced Studies, Tiruvalla
(Autonomous)

17th & 18th June 2026

IN ASSOCIATION WITH

National Institute for Occupational Health, Division of the National Health Laboratory Service, Johannesburg, South Africa

Jawaharlal Nehru Tropical Botanical Garden and Research Institute (KSCSTE - JNTBGR)

IN COLLABORATION WITH

Kerala Botanical Society (KBS)
Kerala State Higher Education Council (KSHEC)
Department of Scientific and Industrial Research (DSIR)





About the Conference

The International Conference on "Recent Advances in Biological Sciences (BioSpectrum 2K26)", hosted by Department of Biosciences, offers a dynamic platform to explore cutting-edge developments across biological sciences. Join us at Mar Athanasios College for Advanced Studies (Autonomous), Tiruvalla, for insightful sessions by renowned experts and an opportunity to present your research.

MACFAST

Mar Athanasios College For Advanced Studies, Tiruvalla (MACFAST) (Autonomous) is a prestigious postgraduate research institute affiliated with Mahatma Gandhi University, Kottayam, and approved by the All India Council for Technical Education (AICTE) and the University Grants Commission (UGC) under section 2(f), New Delhi. The college has been reaccredited with an 'A+' Grade by NAAC, reflecting its commitment to academic excellence. Recognized by the Department of Scientific and Industrial Research (DSIR), MACFAST is ranked in the 201-300 band by the National Institutional Ranking Framework (NIRF).

The School of Biosciences was first established in 2002, offers specialized post graduate programmes (MSc Biotechnology & MSc Bioinformatics) and PhD programme in Biosciences with special emphasis on research and innovation. We promote multidisciplinary talents in students and help them to focus in the pursuit of global standards.

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- ≥ Bioinformatics
- ≥ Biotechnology
- Ph.D :**
- ≥ Biosciences

National Institute for Occupational Health, Division of the National Health Laboratory Service, Johannesburg, South Africa

The National Institute for Occupational Health (NIOH), a specialized division of the National Health Laboratory Service (NHLS) in South Africa, serves as a vital resource for the promotion of worker health and safety through research, surveillance, and specialized services. Central to its mission is the Toxicology and Biochemistry Section, which focuses on identifying and assessing the health risks associated with occupational and environmental exposures to hazardous substances. By utilizing advanced analytical techniques such as mass spectrometry, hyperspectral imaging, and real-time cell analysis the department investigates the mechanistic effects of toxicants and develops critical biomarkers for early disease detection. Through its multidisciplinary approach, the NIOH provides the scientific evidence necessary to inform national policy, support public health initiatives, and ensure the well-being of the workforce both locally and internationally.

Jawaharlal Nehru Tropical Botanical Garden and Research Institute (KSCSTE - JNTBGRI)

Established in 1979 under the Kerala State Council for Science, Technology and Environment, the KSCSTE - Jawaharlal Nehru Tropical Botanic Garden and Research Institute (JNTBGRI) stands as a premier R&D center dedicated to the conservation and sustainable utilization of tropical plant diversity. As a recognized National Centre of Excellence, it maintains an expansive conservatory for wild tropical plant genetic resources, integrating multidisciplinary research in fields such as plant taxonomy, biotechnology, phytochemistry, and ethnomedicine. The institute is now recognized as a 'National Centre of Excellence in ex situ conservation and sustainable utilization of tropical plant diversity' by the Ministry of Environment and Forests, Government of India and the Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre). KSCSTE - JNTBGRI enjoys the prestige of being a member of BGCI, Botanic Gardens Conservation International. The institute is recognized as an approved research center by several universities within the country.

Kerala Botanical Society (KBS)

The Kerala Botanical Society is a premier professional body dedicated to the advancement of botanical sciences in the state of Kerala. Comprised of researchers, academicians, and conservationists, we serve as a vital link between traditional plant knowledge and modern scientific research. The society is dedicated to the study and preservation of Kerala's unique flora bridging the gap between academic research and environmental conservation.

Conference Highlights

- Inaugural Session & Keynote address
 - Oral presentations by research scholars/students/faculty/scientists
- Paper & Poster Presentation Competitions
- Abstract/ Conference proceedings with ISBN number
 - Valedictory session

Award

'Dr. M.S. Valiathan Endowment Award'

for Excellence in Scientific Research



Major Themes

- Phytochemistry and Phytopharmaceuticals
- Drug Discovery and Development
- Environmental Sustainability & Eco-Biology
- Genomics and Gene Technology
- Nanotechnology in Biology & Medicine
- Microbial Interactions & Antimicrobial Strategies
- Biodiversity, Taxonomy & Allied Biological Sciences
- AI- assisted drug discovery & Molecular Diagnostics

CALL FOR PAPERS

Authors are requested to submit the abstracts of their original and unpublished research work on or before 10 June 2026 through email (biospectrum@macfast.org) in pdf format.

Best Paper and Poster awards!!

Important Dates

Last date for registration	June 14, 2026 June 15, 2026 (with additional 200Rs)
Last date of abstract submission	June 10, 2026

Registration may close earlier if maximum numbers of participants have been reached

Registration Fees

• UG/PG Students	Rs. 200/-
• Research Scholars	Rs. 500/-
• Faculty	Rs. 1000/-
• Scientist/Industry	Rs. 2000/-
• International Scholars	Rs. 2000/-