

NAAC 'A' GRADE



MACFASTTM
Igniting wisdom since 2001



Biospectrum 2022

"Biotechnological Advances towards Sustainable Development"

June 27th to 29th 2022

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About MACFAST

Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST) is a premier post graduate research institute, established in 2001 with the objective of moulding eminent professionals over the years to confront the challenging demands of the corporate world and the world of science & technology. MACFAST is affiliated to Mahatma Gandhi University, Kottayam and approved by All India Council for Technical Education (AICTE), New Delhi. The college is owned and managed by the Corporate Educational Agency of the Catholic Archdiocese of Tiruvalla, founded by His Grace Dr. Geevarghese Mar Timothy, (Former Metropolitan Arch Bishop of the Malankara Catholic Archdiocese of Tiruvalla). The present Metropolitan Arch Bishop of the Malankara Catholic Archdiocese of Tiruvalla, His Grace Dr. Thomas Mar Koorilos is the patron of the college. As visualized by its founders, the college has grown steadily over the years with nine postgraduate courses in Management, Computer Science & Biosciences and positioned its identity as a multidisciplinary institution in the higher education segment of the state.



Within a very short span of its existence, MACFAST has emerged as a trendsetter in education and has turned into a benchmark for others to emulate with its unparalleled hallmark of academic brilliance and social commitment. The college is located in Tiruvalla, an active commercial township in the Central Travancore region of Kerala.

The two adjacent campuses together bring an idyllic character in shape and the atmosphere around pitches an ambience of solitude, inevitable for intellectual pursuance. Amidst the lush green, stands this multi-storeyed building with a built-up area of 3, 00,000 sq. ft. The acronym of Mar Athanasios College For Advanced Studies Tiruvalla – MACFAST is also interpreted as: “Moulding Attitude with Commitment for Futuristic Action towards Sustainable Transformation”. The best faculty members combined with the state of the art infrastructure enable the optimal progression of the students through scientific temper and dedication towards excellence. To meet the challenging demands of the corporate and scientific world, research pursuits and technology initiatives are given utmost significance in MACFAST. This has led to the establishment of the MACFAST Centre for Research and Development (MCRD). The MCRD offers PhD programmes in the Biosciences and is poised to enhance student creativity and produce high quality research. A research journal titled Journal of Science, Technology and Management (JSTM), has also been initiated in 2008. JSTM is dedicated to bring together research in these multidisciplinary fields from around the world and also publish original work from the MCRD.

MACFAST owns an on-campus Community Radio Station. Radio MACFAST 90.4 is a prime on-campus Community Radio in the state and 46th in the country. The college has reached yet another acme by decorating a position of first solar powered campus in Kerala. It envisages to utilize alternate sources of energy for a sustainable future. This solar project has a capacity of 130KW. The continuous zeal for academic excellence and social commitment has lead to the accreditation of MACFAST with

CGPA of 3.08 on four point scale at 'A' Grade by the National Assessment and Accreditation Council (NAAC) in 2016.

The college is an ISO 9001:2015 certified institution. It has got the fame of the only private self-financing college from Kerala to be listed in the National Institutional Ranking Framework (NIRF) Rankings 2020 (Rank Band 151-200). In the year 2018, the college got recognized by Department of Scientific and Industrial Research (DSIR) Govt. of India for the contributions in the field of research, publications and projects. MACFAST also promotes academic and cultural interchange in the areas of exchange, teaching, research, transfer and other activities with Government, semi-government, national and international institutions. The college has signed MoUs with CSIR-CFTRI Govt. of India, ICAR-CIFT Govt. of India, IIT Allahabad, Sami Labs Ltd. Mysore, national and international campuses of AMITY university. The college also ensures creditable academic performance, in the form of 100 percentage results. In all the departments, students are continuously bagging top ranks in MG University examinations and so far we have achieved more than 100 ranks since 2001. MACFAST continues its journey in moulding future generations.



Biospectrum 2022

The School of Biosciences, Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST) is hosting an International Conference "Biotechnological Advances towards Sustainable Development" 2022 from June 27th to 29th 2022. This is the sixth international conference organized under Biospectrum series. Over the past two decades, the progression in Biotechnology has generated a wide range of novel products that have redefined the role of biotechnology in solving hunger and poverty. Modern Food & Industrial Biotechnology is an extension of ancient techniques for developing useful products by taking advantage of natural biological processes. As techniques and instrumentation are being refined, the technologies based on chemical processes are being increasingly replaced by those based on biological systems. The application of modern industrial biotechnology includes improving the added value of food and making food processing effective through fermentation, genetic engineering, enzyme engineering and protein engineering.

This conference aims to bring together leading academicians, scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Food and Industrial Biotechnology. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in this field.

Registration Fees

	National	International
Student/Research Scholar	300	\$25
Faculty/Industry Delegated	500	\$40

Focus Area

Food, Health and Nutrition: Food processing, food fermentation technology, Probiotics and nutraceuticals (including for Covid-19)
Sustainable Agriculture: Crop protection and improvement, Biotic and abiotic stress response, Plant-microbes interaction
Energy and Environmental Sustainability: Bioenergy/Biofuels, Environmental protection, Waste to wealth

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