

Name	Sr. Dr. A. Arockia Jenecius Alphonse
Qualification	M.Sc., M.Phil., Ph.D.
Designation	Associate Professor of Botany
Year of Joining	05/10/2007
Specialization	Algal Biotechnology
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1. PARTICIPATION & PRESENTATION (2018 – 2024)

Title of the Workshop/ Seminar/ FDP	Type	Paper Presented/ Participated	Title of the Paper	Organised by	Date
NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	National	Participated		UGC-MMTTC, University of Kerala, Kariavattom, Thiruvananthapuram	17.07.2024 to 29.07.2024
Online faculty development program on essential skills for professional development in higher education		Participated	--	Star International Foundation for Research and Education	01.07.2024 to 07.07.2024
Online faculty development program on AI tools for teaching		Participated	--	Star International Foundation for Research and Education	22.06.2024
DBT Coordinators Meet	National	Star Report Poster Presentation	--	RVS College of Arts and Science, Sulur, Coimbatore.	07.02.2024 to 09.02.2024
Seminar on Navigating	National	Participated	--	Marian Research Forum & IQAC, St.	20.01.2024

consultancy, filling patent and designing research article: insights and strategies				Mary's College (Autonomous), Thoothukudi	
Online Workshop on Avoiding Predatory Publishing: Guidelines for Choosing Quality Journals in the Digital Age		Participated	--	Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi	11.12.2023
Faculty Development Programme on Medically Important Bacteria (Phase I)	International	Participated	--	Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur in collaboration with Rio de Janeiro State University, Brazil Biotechnology Society of Nepal	09.10.2023 to 08.11.2023
Professional Development Workshop on Faculty Excellence in Teaching and Scholarship	International	Participated	--	Madras Christian College (Autonomous), Thoothukudi in association with AIACHE, New Delhi & Asia Network of the United States	23.10.2023 to 24.10.2023
Industry Conclave on Innovations, Biobusiness and Startup Ecosystem in Algal Biotechnology – A Carbon Neutral Initiative	--	Participated	--	Department of Microbiology, Madras Christian College (Autonomous), Tambaram East, Chennai.	06.10.2023
Faculty Development Programme on	International	Participated	--	Department of Microbiology, Sacred Heart	04.09.2023 to 03.10.2023

Microbiology Laboratory Techniques (Phase I)				College (Autonomous), Tirupattur in collaboration with Rio de Janeiro State University, Brazil Biotechnology Society of Nepal	
Faculty Development Programme on Recent trends in the industrial engineering and management	-	Participated	-	Department of Mechanical Engineering, GMR, Institute of Technology, Rajam, A.P.	26.07.2021 to 30.07.2021
Faculty Development Program on Recent advances of pest management in agriculture	-	Participated	-	Department of Entomology, College of Agriculture, Parul University, Vadodara.	08.07.2021 to 13.07.2021
Faculty Development Programme on Innovation and IPR	-	Participated	-	Holy Cross College (Autonomous), Nagercoil	21.06.2021 to 27.06.2021
Webinar on The fascinating World of Crystals	-	Participated	-	Department of Chemistry (UG and PG), Jhargram Raj College, Jhargram, West Bengal	24.06.2021
Webinar on Graphene: Chemistry, Biology, Physics and Beyond	-	Participated	-	Department of Chemistry (UG and PG), Jhargram Raj College, Jhargram, West Bengal	21.06.2021
FDP webinar on digital skills for smart teaching	-	Participated	-	Don Bosco College (Autonomous), Maran-Manipur	14.06.2021 to 19.06.2021
Workshop on Data analyses using MS-Excel	State	Participated	-	Anjuman Arts, Science, Commerce College & PG studies in English, Vijayapur-Karnataka	17.06.2021
Short term course on	National	Participated	-	Marian Star Centre, St. Mary's College	26.05.2021 to

graphics design for teachers				(Autonomous), Thoothukudi	31.05.2021
Summer internship on Applications of DNA barcodes in systematics and biogeography- a Phyloinformatics approach	-	Participated	-	Madras Christian College (Autonomous), Tambaram, Chennai	14.05.2021 to 31.05.2021
Webinar on Entrepreneurship – An ubiquitous impact on science graduates (EAUISG)	International	Participated	-	Marian Star Centre & Department of Economics, School of Management & Economics, St. Mary's College (Autonomous)	24.04.2021
Workshop on Public Financial Management System (PFMS)	State	Participated	-	St. Xavier's College (Autonomous), Palayamkottai	04.02.2021 to 05.02.2021
Conference on Multidisciplinary Research and Innovation	International	Presented (World Book of Records)	Role of Organic and Inorganic Fertilizers in the Growth and Yield of Radish	ESN Publication, Universal Digital University, USA	03.09.2020 to 09.09.2020
Webinar on Issues and Prospects of National Education Policy	National	Participated	-	Servite Arts & Science College for Women, Thogaimalai	21.08.2020
Webinar on Technological Innovation and Academia Open Industry Collaboration Under Self Reliant India	National	Participated	-	Mohamed Sathak AJ College of Engineering, Chennai	23.07.2020
Session on How to Conduct Online Assessment, Evaluation, Publishing for Units Test and	--	Participated	-	Master Soft Accelerating Education	11.07.2020

Term Exams					
Webinar on COVID – A Hidden War in Open Field	National	Participated	-	St. Xavier's College (Autonomous), Palayamkottai	29.06.2020
Webinar on Our Cosmic Consciousness	National	Participated	-	Servite Arts & Science College for Women, Thogaimalai	29.06.2020
Webinar on Evolution of treatment a overview: cancer and Covid19	International	Participated	-	Holy Cross College (Autonomous), Nagercoil	27.06.2020
Workshop on ICT Tools for Smart Teaching	National	Participated	-	Servite College of Education for Women, Thogaimalai	18.06.2020 to 20.06.2020
Webinar on Research Proposal Writing	--	Participated	-	Don Bosco College of Arts and Science, Keela Eral, Thoothukudi	17.06.2020
Webinar on Accelerating Education 4.0 using ICT Tools – Post COVID Paradigm	International	Participated	-	St. Xavier's College (Autonomous), Palayamkottai	17.06.2020
Virtual Training Lecture on Techniques in Intensive Production of Marine Copepods	--	Participated	-	Bharathidasan University, Tiruchirappalli	15.06.2020 to 17.06.2020
Technical Webinar on Design of Flexible Pavement Using IRC	National	Participated	-	Mohamed Sathak AJ College of Engineering	14.06.2020
Webinar on Biomedical Technologies & Product Development Cycle Challenges	--	Participated	-	Mohamed Sathak AJ College of Engineering	13.06.2020

and Opportunities					
Webinar on The Bridges	National	Participated	-	Mohamed Sathak AJ College of Engineering	13.06.2020
Webinar on Stem Cell Therapy in COVID 19: Present or Future	--	Participated	-	Department of Microbiology, St. Mary's College (Autonomous), Thoothukudi	08.06.2020
FDP on Open Source Tools for Research	--	Participated	-	Ramanujan College, University of Delhi	08.06.2020 to 14.06.2020
Webinar on Effect of ICT Tools for Higher Education	International	Participated	-	Servite Arts & Science College for Women	03.06.2020
Webinar on Piezoelectric Based Energy Harvesting Techniques	--	Participated	-	Mohamed Sathak AJ College of Engineering	03.06.2020
Webinar on Introduction to Geographic Information System (GIS)	--	Participated	-	Department of Physics, St. Mary's College (Autonomous), Thoothukudi	02.06.2020
FDP on Transforming Education: The Google Classroom Way	--	Participated	-	Aachi Institute of Management & Entrepreneurial Development	01.06.2020 to 07.06.2020
Webinar on How to Use OER to Desire	National	Participated	-	Department of Physics (SSC), St. Mary's College (Autonomous), Thoothukudi	31.05.2020
Webinar on Mangrove Ecosystem	--	Participated	-	United Way Mumbai	31.05.2020
Webinar on Transformational Role of Technology in Higher Education	--	Participated	-	Jaipura Institute of Management, Indirapuram, Ghaziabad	30.05.2020
FDP on Evolution from	--	Participated	-	Satish Pradhan Dnyanasadhana	30.05.2020 to

Offline to Online Teaching				College, Thane	03.06.2020
Webinar on Writing Proposals for Funding Agencies: Project Design and Project Proposals	International	Participated	-	Department of Commerce, Rathinam College of Arts and Science, Coimbatore	29.05.2020
Webinar on Scope for the Utilization of Herbal Medicines for Human Health in COVID – 19 Like Scenario	--	Participated	-	Department of Botany, V.O.C. College, Thoothukudi	29.05.2020
FDP on Virtual Teaching Learning Moodle the Efficient Way	--	Participated	-	Dr. MGR Educational and Research Institute, Chennai	29.05.2020 & 30.05.2020
FDP on Emerging Trends Information Technology	National	Participated	-	IQAC & Department of Commerce, Agurchand Manmull Jain College, Meenambakkam, Chennai	28.05.2020 to 30.05.2020
Webinar on Teachers for Future – Capacity Building Session	--	Participated	-	Annammal College of Education for Women, Thoothukudi	27.05.2020
Webinar on Anti-Viral Marine Macro Algae Sulfated Polysaccharides to Boost Immunity as Well as Active Against Respiratory Infection	--	Participated	-	Department of Botany, V.O.C. College, Thoothukudi	27.05.2020
Training Workshop on Research	National	Participated	-	J.P. College of Arts & Science, Tirunelveli	27.05.2020

Proposals for UGC STRIDE Projects					
Webinar on Molecular Docking in Rational Drug Design	National	Participated	-	IQAC & Department of Chemistry, Annai College of Arts & Science, Tiruchirapalli	27.05.2020
FDP webinar on Managing Your Finances and Investing During	National	Participated	-	Department of Commerce, St. Mary's College (Autonomous), Thoothukudi	25.05.2020
Webinar on Image Analytics and Processing	--	Participated	-	Department of Computer Science, V.O.C. College, Thoothukudi	25.05.2020
FDP on Moodle Learning Management System	--	Participated	-	GRABS Educational Charitable Trust & Tamil Nadu Association of Intellectual and Faculty	25.05.2020 to 29.05.2020
Webinar on Two Dimensional Materials for Diverse Application	National	Participated	-	Cambridge Institute of Technology, Bangalore	23.05.2020
Webinar on Teacher Resilience: The Blueprint for Efficiency During Uncertainty	--	Participated	-	St. Mary's College (Autonomous), Thoothukudi & Annammal College of Education for Women, Thoothukudi	23.05.2020
Webinar on Synthesis of Biologically Active Compounds Based on Nitrogen Heterosystem	International	Participated	-	IQAC & Department of Chemistry, Annai College of Arts & Science, Tiruchirapalli	23.05.2020
Webinar on an Insight into NAAC - RAF	--	Participated	-	V.O.C. College, Thoothukudi	22.05.2020

Webinar on Entrepreneurship	--	Participated	-	Colombo Plan Staff College	21.05.2020
Webinar on Mind Your Minds During Lock Down – To Counter Stress	--	Participated	-	Department of Mathematics, V.O.C. College, Thoothukudi	20.05.2020
Webinar on Recent Trends in Digital Image Processing	--	Participated	-	Shri Krishnaswamy College for Women, Chennai	20.05.2020
Webinar on Soft Skills Development	--	Participated	-	Colombo Plan Staff College	19.05.2020
Webinar on NAAC: A Guide for Beginners	--	Participated	-	Indra Ganesan College of Engineering, Tiruchirapalli	19.05.2020
Webinar on Re-evaluating COVID 19 for New Business Opportunities	National	Participated	-	Department of Economics, Thakur College of Science & Commerce (Autonomous), Mumbai	19.05.2020
Webinar on Cultivating a Positive Attitude for Professional Excellence	--	Participated	-	Colombo Plan Staff College	13.05.2020
Online Workshop on Mental Health and Psychosocial Consideration During Lock Down	--	Participated	-	St. Mary's College (Autonomous), Thoothukudi	13.05.2020 & 14.05.2020
FDP on Moodle Learning Management System	--	Participated	-	V.P. Institute of Management Studies and Research, Sangli in Association with Spoken Tutorial IIT Bombay	12.05.2020 to 17.05.2020
FDP on Research Challenges and Innovations in Renewable Energy Systems	International	Participated	-	Department of Electrical and Electronics Engineering & Centre for Renewable Energy Technology, AVIT	11.05.2020 to 16.05.2020

Webinar on Role of TVET Schools in Bridging the Gap in Workforce Development	--	Participated	-	Colombo Plan Staff College	08.05.2020
Webinar on Redefining Learning Spaces – Change agent in Educational Ecosystem	--	Participated	-	Colombo Plan Staff College	06.05.2020
Webinar on Revised Taxonomy of Learning Domains and its Implication	--	Participated	-	Colombo Plan Staff College	05.05.2020
Webinar on Bacterial Virulence: Perspective and Pragmatic Approach	--	Participated	-	Department of Microbiology, Academy Degree College (Autonomous), Bangalore	05.05.2020
Webinar on Use of Elsevier Tools in Research Work Flow	National	Participated	-	Department of Commerce, University of Madras, Chennai	05.05.2020
FDP on Empowering Teachers for Smart Teaching	--	Participated	-	St. Joseph's PU College, Bangalore	05.05.2020 to 11.05.2020
FDP on Trends and Opportunities in Life Science Sector	--	Participated	-	PG Department of Microbiology, Cauvery College for Women (Autonomous), Trichy	03.05.2020
Webinar on How Nanoscience and Technology inspired from nature and Transforming the World	--	Participated	-	PG Department of Physics, Cauvery College for Women (Autonomous), Trichy	03.05.2020
Webinar on Blue Ocean Strategy	--	Participated	-	Colombo Plan Staff College	24.04.2020
Webinar on ICT	--	Participated	-	Colombo Plan Staff	22.04.2020

Application in Teaching and Learning				College	
FDP on Managing Online Classes and Co-Creating MOOC	--	Participated	-	Teaching Learning Centre, Ramanujan College, University of Delhi	20.04.2020 to 06.05.2020
Seminar on Inspirational Leadership for higher Education Institutions in India in the 21 st Century	National	Participated	-	Xavier Board – Tamil Nadu Region and jointly organized by Fatima College Madurai and St. Joseph's College (Autonomous), Trichirapalli	25.02.2020
Faculty Development Training on Natural Product Research	College	Participated	-	Bioscience Institute of Life Sciences in house R and D department recognized by Department of Scientific and Industrial Research	02.01.2020 to 04.01.2020
Conference on Climate Change: Adaptation and Mitigation	International	Presented	Isolation and Identification of Bacteria from Soil Samples of Three Different Sites in SPIC, Thoothukudi	Finishing School Cell, St. Thomas' College (Autonomous), Thrissur, Kerala, India	08.01.2020 to 10.01.2020
Workshop on Innovative and Responsive Teaching Skills	National	Participated	-	Coimbatore Institute of Technology	03.09.2019 to 07.09.2019
Workshop on Research Integrity & Awareness	National	Participated	-	University Grant Commission, South Eastern Regional Office, Hyderabad	05.08.2019
Seminar on Indian Higher Education: Current Status and Leadership Challenges	National	Participated	-	Christ University	11.06.2019 to 13.06.2019

Workshop on “Autonomy to Colleges, Benefits and way forward”	National	Participated	-	UGC, SERO, Hyderabad	04.02.2019
Workshop on “NAAC Reforms: Outcome based education – an overview”	National	Participated	-	IQAC, V.O.Chidambaram College, Thoothukudi	14.12.2018 & 15.12.2018
Seminar on Prevention of Sexual Harassment at Working Places & Creation of Legal Awareness	University	Participated	-	Centre for Women Empowerment & Women Studies, Manonmaniam Sundaranar University	03.10.2018
Workshop on Public Financial Management Systems (PFMS) with special reference to EAT modules	National	Participated	-	VHNSN College (Autonomous), Virudhunagar	07.08.2018 & 08.08.2018

2. PAPER PUBLICATIONS (2010 – 2024)

Paper Title	Author(s)	Journal	Year	Volume	Issue	Page No.
Antioxidant potential of silver nanoparticles synthesized from ascidians	A. Arockia Jenecius Alphonse M. Paripooranaselvi, M. I. Delighta Mano Joyce, R. Sri Priya and J. Antony Rajam	Egyptian Academic Journal of Biological Sciences	2024	16	1	239-247
Qualitative and quantitative analysis of phytochemical studies on selected red seaweeds from Gulf of Mannar	Shantha M and A. Arockia Jenecius Alphonse	Journal of Nonlinear Analysis and Optimization	2024	15	1	15 - 20
Phytochemical constituency profiling and	Shantha M	International Journal of Natural	2023	14	80	63506 -- 63514

antimicrobial activity of <i>Haloplegma duperreyi</i> from the Mandapam, Rameshwaram Coast, Tamil Nadu	Arockia Jenecius Alphonse	Sciences				
Biosynthesis, characterization and corrosion inhibitory efficiency of silver nanoparticles using ascidians	Arockia Jenecius Alphonse Paripooranaselvi Delighta Mano Joyce Antony Rajam Stella Packiam	European Chemical Bulletin	2023	12	10	10451 - 10461
Identification and quantification of potential bioactive compounds from seaweed of <i>Champia compressa</i>	Shantha M Arockia Jenecius Alphonse	International Journal of Pharmaceutical Sciences and Research	2023	14	2	774 - 781
Impact of freezing on the nutritive content of <i>Penaeus indicus</i> in Thoothukudi coastal region of Tamil Nadu, India	Subavathy P Arockia Jenecius Alphonse A	Bulletin of Environment, Pharmacology and Life Sciences	2022		3	220 - 223
<i>Pleurotus</i> cultivation: a sustainable way to utilise agro waste	Selvaananthi Arockia Jenecius Alphonse	Acta Agriculturae Slovenica	2022	118	1	1 - 7
Anti-diabetic, Anti-oxidant, Fluorescence and filter characterizations of Bis glycine lithium bromide monohydrate (BGLBMH) macro and nano-scaled crystals	Arockia Jenecius Alphonse A Divya R.P. Kannan K.S. Sophia I.A. Ravindran B. Krishnaveni R.	International Journal on Current Research and Review	2021	13	18	35-39
Efficacy of Organic and Inorganic Fertilizers in the Growth and Yield of Radish	Arockia Jenecius Alphonse A	Journal of Critical Reviews	2020	7	10	3011 - 3022

Antidiabetic Studies of bis-glycine hydro bromide (45 nm) Nano Crystals	Arockia Jenecius Alphonse A	Materials Today: Proceedings	2020	33	--	3201 - 3202
Anti-diabetic Activities of ZnO doped with Ce (5%) Nanoparticles	Arockia Jenecius Alphonse A	Materials Today: Proceedings	2020	33	--	3056 - 3057
Pharmacognostic and phytochemical evaluation of <i>Bacolepis nervosa</i> stem and leaf.	Arockia Jenecius Alphonse A Mohan V. R	Int. J. Pharm. Sci. Rev. Res	2017	42	1	197 - 206
Hepatoprotective activity of ethanol extract of <i>Bacolepis Nervosa</i> against carbon tetrachloride induced hepatotoxicity in albino rats	Arockia Jenecius Alphonse A	International Journal of Applied Biology and Pharmaceutical Technology	2017	8	3	63-72
Evaluation of antifertility potential of ethanolic extract of <i>Bacolepis nervosa</i> in male albino rats	Arockia Jenecius Alphonse A Mohan V.R.	Asian Journal of Pharmaceutical and Health Sciences	2017	7	2	1675 - 1682
Antidiabetic activity of <i>Bacolepis nervosa</i> (Wight and Arn.) Decne. Ex moq. extract on alloxan induced diabetic rats.	Arockia Jenecius Alphonse A Mohan V. R	Int. J. of Pharm. Sci.	2016	8	11	320 - 326
Evaluation of anticancer potential of <i>Bacolepis nervosa</i> (Wight & Arn.) Decne. ex Moq. against Ehrlich Ascites Carcinoma induced cancer in Swiss Albino Mice.	Arockia Jenecius Alphonse A Mohan V. R	Int. J. Pharm. Sci. Rev. Res.	2014	27	1	292 - 297
Anti-inflammatory activity of ethanol extract of <i>Bacolepis nervosa</i> (Wight & Arn.) Decne. ex Moq. using	Arockia Jenecius Alphonse A Mohan V. R	World J. Pharmaceu. Res.	2014	3	4	1384 - 1391

carrageenan induced paw edema in albino rats.						
<i>In vitro</i> antioxidant potential of leaf extracts of the endemic plant <i>Bacolepis nervosa</i> (Wight & Arn.) Decne. ex Moq. (Periplocaceae)	Arockia Jenecius Alphonse A Mohan V. R	J. Adv. Pharm. Edu. Res.	2014	4	2	206 - 215
GC-MS analysis of bioactive components on the stem extract of <i>Bacolepis nervosa</i> (Wight & Arn.) Decne. ex Moq. (Periplocaceae).	Arockia Jenecius Alphonse A, Mohan V. R.	World J. Pharm. Pharmaceu. Sci.	2014	3	4	1044 - 1059
Bio-efficiency of three seaweeds collected from the Manapad coast, India.	Arockia Jenecius Alphonse A Marcelin.	Marian Quest	2014	2	2	34-47
<i>In vitro</i> antioxidant activity of <i>Amorphophallus paeoniifolius</i> (Dennst.) Nicolson var. <i>campanulatus</i> (Blume ex. Decne) Sivadasan	Arockia Jenecius Alphonse A Mohan V.R.	Int. J. Pharmaceu. Res. Biosci.	2013	2	5	211 - 222
Studies on medicinal potentials of <i>Sauropus androgynus</i> .	Arockia Jenecius Alphonse A.	Journal of Basic and Applied Biology	2012	6	--	70 – 73
GC-MS determination of bioactive components of <i>Sauropus bacciformis</i> Blume (Euphorbiaceae).	Arockia Jenecius Alphonse A Uthayakumari F Mohan V.R.	Journal of Current Chemical and Pharmaceutical Science	2012	2	4	347 - 358
<i>In vitro</i> Antioxidant Activity of <i>Sauropous bacciformis</i> Blume (Euphorbiaceae).	Arockia Jenecius Alphonse A Uthayakumari F Mohan V.R.	International Research Journal of Pharmacy	2012	3	9	256 - 259

Effect of Acibenzolar – S – methyl (ASM) pre – treatment in inducing resistance against <i>Pythium amphanitermatum</i> infection in <i>Curcuma longa</i> .	Radhakrishnan N, Arockia Jenecius Alphonse A Balasubramanian R.	Crop Protection	2010	30	1	1-9
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3. PROCEEDINGS (2020 – 2024)

Paper Title	Author(s)	Conference / Seminar	Year	Page No.	Organized by
Analysis of Physicochemical Parameters and Heavy Metal Content in Saltpan	S. Vellammal and A. Arockia Jenecius Alphonse	Research Innovations and Trends in Life Sciences for Sustainable Development	2025		P. G. and Research Department of Zoology, Sir Theagaraya College, Chennai
Unveiling heavy metal concentration and physicochemical parameters in saltpan Thoothukudi	S. Vellammal and A. Arockia Jenecius Alphonse	Research Innovations and Emerging Trends in Life Sciences	2025		Post Graduate Department of Botany, Kamaraj College (Autonomous), Thoothukudi.
Influence of Light Spectrum for enhanced Lipid Content in <i>Coelastrella</i> spp. for Biodiesel production	J. N. Monisha and A. Arockia Jenecius Alphonse	Research Innovations and Emerging Trends in Life Sciences	2025		Post Graduate Department of Botany, Kamaraj College (Autonomous), Thoothukudi.
Enhancement of biomass and lipid in <i>Nannochloropsis oceanica</i> using light spectrum for biofuel production	J. N. Monisha and A. Arockia Jenecius Alphonse	Recent Trends in Plant Sciences	2025	147 - 153	Department of Botany & Research Centre, Nesamony Memorial Christian College, Marthandam

Assessing the Relationship Between Physicochemical Parameters and Microalgal Diversity of Saltpan in Rochepark, Thoothukudi	S. Vellammal and A. Arockia Jenecius Alphonse	Bioprospecting Approach for a Heavenly Earth (BAHE – 2024)	2024		PG & Research Department of Botany, V.O. Chidambaram College, Thoothukudi
Harnessing Light Spectrum to Enhance Biomass and Lipid Production in <i>Chlorella</i> spp.	J. N. Monisha and A. Arockia Jenecius Alphonse	Bioprospecting Approach for a Heavenly Earth (BAHE – 2024)	2024		PG & Research Department of Botany, V.O. Chidambaram College, Thoothukudi
Optimizing light spectrum for the growth and enhanced lipid production in <i>Tetraselmis</i> spp.: A Biochemical analysis	J. N. Monisha and A. Arockia Jenecius Alphonse	Integrating Innovative Pedagogies and Multidisciplinary Research for Successful Research Grants	2024	97 - 104	Crossian Centre for Research and Development, Holy Cross College (Autonomous), Nagercoil
Assessing marine water quality and unraveling microbial diversity from three different stations of Thoothukudi coast	J. N. Monisha and A. Arockia Jenecius Alphonse	The Recent Trends in the Role of Microbiota in Human Health and Diseases (RTMHD'23)	2023		Sadakathullah Appa College (Autonomous), Tirunelveli
Science in Tamil Literature	Dr. A. Arockia Jenecius Alphonse , Dr. Shanmuga Vadivu (A.) Shanthi and Dr, A. M. Sonal	Journal of Modern Thamizh Research - II	2021	1 - 447	St. Mary's College (Autonomous), Thoothukudi
Science in Tamil Literature	Dr. A. Arockia Jenecius Alphonse , Dr. Shanmuga Vadivu (A.) Shanthi and Dr, A. M. Sonal	Journal of Modern Thamizh Research (A Quarterly International Multilateral Thamizh Journal) Arts and	2021	1 - 228	St. Mary's College (Autonomous), Thoothukudi

		Humanities (all), Language Literature and Literary Theory, Tamil UGC Care Listed (Group - 1) Journal			
Comparative study of effects of different substrates on yield of oyster mushroom and its nutritional value	V. Santhiya N. Sesu Lourdu Nivisha M. Sivaneshwari M. Sivaranjitha S. Sophia A. Arockia Jenecius Alphonse	SMC Science Updates Star Proceeding	2020	17 - 27	St. Mary's College (Autonomous), Thoothukudi

4. PROJECTS UNDERTAKEN (2010 – 2023)

Name of the Investigator	Title of the Project	File No.	Duration	Total Cost	Funding Agency
Dr. Sr. A. Arockia Jenecius Alphonse (Overall Co- Ordinator & Member Secretary)	Two-year extension of Star College Scheme Completed	102/IFD/SAN/ 5071/ 2018- 2019	16.09.2022 - 15.09.2024	28,00,000	DBT
Dr. Sr. A. Arockia Jenecius Alphonse (Overall Co- Ordinator & Member Secretary)	Financial support for strengthening of life science and biotechnology education and training at UG level under star college Completed	102/IFD/SAN/ 5071/ 2018- 2019	2019-2022	82,00,000	DBT
Dr. Sr. A. Arockia Jenecius Alphonse	Molecular characterization and <i>in vitro</i> propagation of <i>Bacolepis nervosa</i> (Wight & Arn) Decne. ex Moq.(Periplocaceae) Completed	F.MRP- 5673/15	2015-2017	3,70,000	UGC

Dr. Sr. A. Arockia Jenecius Alphonse	Studies on the coastal weed <i>Sauropus bacciformis</i> (L) Airyshaw (Euphorbiaceae) Completed	F. MRP- 3445/10	2010-2012	1,00,000	UGC
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5. BOOK PUBLISHED

TITLE OF THE BOOK	NAME OF THE AUTHORS	PUBLISHER	PAGE	YEAR	ISBN
Preamble to Virology	Dr. R. Krishnaveni, S. Geetha, Dr. T. Ponrathy, Dr. A. Arockia Jenecius Alphonse and Dr. Logeshwari Selvaraj			2024	
Biochemistry Volume II	Dr. Sr. A. Arockia Jenecius Alphonse , Dr. G. Amala Jothi Grace and Dr. P. Subavathy	CBA Publisher	170	2022	978-93-80430- 81-2
Biochemistry Volume I	Dr. Sr. A. Arockia Jenecius Alphonse , Dr. G. Amala Jothi Grace and Dr. P. Subavathy	CBA Publisher	260	2020	978-93-80430- 55-3

6. ACADEMIC PROJECTS GUIDED

PROGRAMME	NUMBER OF DISSERTATION	NUMBER OF BENEFICIARIES
B.Sc.	7	39
M.Sc.	15	15
M.Phil.	2	2

7. PROFESSIONAL DEVELOPMENT PROGRAMME (RC / OP)

- ❖ Participated in the UGC sponsored Online **Refresher Course in Life Sciences** from **17.03.2023 to 30.03.2023** and obtained the grade 'A' conducted by UGC- Human Resource Development Centre, Madurai Kamaraj University.
- ❖ Participated in the UGC sponsored Online **Refresher Course in Life Sciences** from **15.03.2021 to 28.03.2021** and obtained the grade 'A' conducted by UGC- Human Resource Development Centre, Gauhati University, Assam.

- ❖ Participated in the UGC sponsored **Refresher Course in Environmental Studies** from **06.02.2020 to 19.02.2020** and obtained the grade 'A+' conducted by UGC- Human Resource Development Centre, Bharathiar University, Coimbatore.
- ❖ Participated in the UGC sponsored **101st Orientation Programme** from **18.05.2018 to 14.06.2018** and obtained the grade 'A' conducted by UGC- Human Resource Development Centre, Bharathidasan University, Trichy.
- ❖ Participated in the UGC-Sponsored **Refresher Course in Bioinformatics** (Interdisciplinary) conducted by UGC-Academic Staff College, University of Kerala, Kariavattom from **27.12.2010 to 17.01.2011** and obtained Grade A.

8. PROGRAMME ORGANISED

VICE-PRINCIPAL

- ❖ Organised **Two-Day Workshop** for all the UG and PG representatives entitled "**Born to Lead**" on **20.08.2018 & 21.08.2018** in St. Mary's College (Autonomous), Thoothukudi.
- ❖ Co-ordinated **One Day State Level Mega Job Fair** organised by Karunai Trust on **24.02.2018** in St. Mary's College (Autonomous), Thoothukudi.

RESEARCH COORDINATOR

- ❖ Organised a **One-Day Webinar** on "**Selection of Appropriate Statistical Tools: A Critical Way for Successful Research**" on **12.05.2020** in St. Mary's College (Autonomous), Thoothukudi.
- ❖ Organised a **One-Day National Seminar** on "**Scientific Publications: Reference Tools Citation Analysis and Plagiarism**" on **03.02.2020** in St. Mary's College (Autonomous), Thoothukudi.
- ❖ Organised a **One-Day National Seminar** entitled "**Innovation in Methodology – A Path for Outcome Based Research**" on **20.01.2020** in St. Mary's College (Autonomous), Thoothukudi.
- ❖ Organised a **Two Day Workshop** entitled "**Google Tools for Science Aspirants**" for the PG students of both the School of Biological Sciences and School of Physical Sciences, "**Digital Image Processing Using MATLAB**" for the PG students of School of Computing Sciences, "**Interface between History and Literature**" for the students of School of Language and Culture, "**Web Tools**" for the Students of School of Management and Economics on **18.09.2019 & 19.09.2020** in St. Mary's College (Autonomous), Thoothukudi.

- ❖ Organised a **One Day National Workshop** entitled “**Writing Research Proposals for Funded Projects**” on **14.09.2019** in St. Mary’s College (Autonomous), Thoothukudi.
- ❖ Convened a **One-Day National Conference** entitled “**Strategic Human Resource Management**” on **13.09.2019** in St. Mary’s College (Autonomous), Thoothukudi.

DBT STAR COLLEGE SCHEME OVERALL COORDINATOR

2023 – 2024

- ❖ organized **2** International Conference, **2** National Workshop, **2** National Seminar, **1** State Level Seminar, **10** Invited Lectures, **5** Skill Development Programmes, **2** Entrepreneurial Trainings, **1** Awareness Programme, **1** Endowment Lecture, **1** Intercollegiate and Interschool Art Festival, **1** Intercollegiate Quiz Series for college students, **1** Science Expo for school students, **1** Inter-school science quiz and **5** Community Development Programmes.

2022 – 2023

- ❖ organized **1** International Symposium, **9** Hands on Training, **8** Invited Lectures, **2** Faculty Training Programme, **1** Public Outreach Training, **1** Alumnae Science Rendezvous, **19** In-house Training for science students and faculty respectively. Conducted **1** Working Model Intercollegiate Competition and also **1** Inter-School Quiz.

2021 – 2022

- ❖ Organised **1** National Short-Term Course for college faculty, **1** National Workshop for school students, **1** In-service Training Programme for school teachers, **1** Science Expo for school students, **1** National Science Fest, **8** Faculty Training Programmes, **12** Training Programmes, **4** National Webinars, **2** International Webinars, **1** International Workshop, **6** Guest Lectures, **2** Inter-school Quiz and **1** Interdepartmental Quiz Competition.

2020 – 2021

- ❖ Organized **8** Workshops, **12** Invited Lectures, **5** Faculty Training Programmes, **6** National Seminar, **5** International Conference, **2** Hands on Training, **4** Summer Programmes for school students, **1** Short Term Course for teachers, **1** Short Term Course for college students and conducted **4** National Level Competitions for school and college students.

2019 - 2020

- ❖ Organised **1** International Conference, **5** Faculty Training Programmes, **9** Workshops, **4** National Seminars, **28** Guest Lectures and **1** Exhibition for school students under Star College Scheme, funded by DBT, Govt. of India, New Delhi.

- ❖ Conducted Inter-School Quiz competition, Inter-School Exhibits Show, Inter-Collegiate and Intra-Collegiate Quiz competition, National Level Short Film Making competition and various inter-collegiate competitions under Star College Scheme, funded by DBT, Govt. of India, New Delhi.
- ❖ Arranged **14** Field Trips and **14** Training Programmes for the UG students of Physics, Chemistry, Botany and Zoology under Star College Scheme, funded by DBT, Govt. of India, New Delhi.
- ❖ Organised **8** Workshops, **13** Invited Lectures under Star College Scheme, funded by DBT, Govt. of India, New Delhi.

9. RESOURCE PERSON

- ❖ Chief Guest for the inaugural of HERACLES' 19, State level Inter Collegiate Competition on **23.02.2019** organised by Holy Cross Home Science College, Thoothukudi.

10. ONLINE COURSES

- ❖ Completed “**Genetic Engineering: Theory and Application**” an online 12-week credit course (3 credits) authorized by Indian Institute of Technology Guwahati through NPTEL from **July 2021 to October 2021**.
- ❖ Completed “**Biochemistry**” an online 12-week credit course (3 Credits) authorized by Indian Institute of Technology Kharagpur offered through NPTEL from **January 2020 to April 2020**
- ❖ Completed “**Introduction to Proteomics**” an online 12-week credit course (2 Credits) authorized by Indian Institute of Technology Bombay offered through NPTEL from **August 2019 to October 2019**
- ❖ Completed “**Bioinformatic Methods I**” an online non-credit course authorized by University of Toronto and offered through Course era on **15.01.2019**
- ❖ Completed “**Cancer Biology**” an online non-credit course authorized by Johns Hopkins University and offered through Course era on **06.04.2017**.

11. GEN BANK SUBMISSION

- ❖ Submitted LOCUS MG183687 1109 bp DNA linear BCT 17-OCT-2017. *Acinetobacter baumannii* AJAUBOT 16S rRNA gene, partial sequence NCBI/GenBank, USA / Nucleotide sequence
- ❖ Submitted LOCUS MG183688 1246 bp DNA linear BCT-17-OCT -2017. *Pseudomonas aeruginosa* strain AJAUBGT 16S rRNA gene, partial sequence NCBI/GenBank, USA / Nucleotide sequence

12. BROADCAST

- ❖ All India Radio- Paavayar Paarvai- Annai Theresavin Samookapani"- Urai. 6.15 pm. on 08.09.2016, received a Cheque (No: 574191) Rs. 2000 towards the programme recorded on 06.09.2016.

13. EXAMINER

- ❖ Conducted UG Botany Practical Examinations as External Examiner in VOC College, Thoothukudi from **22.04.2024 to 26.04.2024**.
- ❖ Conducted UG Botany Practical Examinations as External Examiner in VOC College, Thoothukudi from **27.04.2023 to 03.05.2023**.
- ❖ Conducted End Semester Examinations as Chief Exam Superintendent in St. Mary's College (Autonomous), Thoothukudi from **23.04.2019 to 11.05.2019**.
- ❖ Conducted End Semester Examinations as Chief Exam Superintendent in St. Mary's College (Autonomous), Thoothukudi from **01.11.2018 to 20.11.2018**.
- ❖ Conducted End Semester Examinations as Chief Exam Superintendent in St. Mary's College (Autonomous), Thoothukudi from **28.04.2018 to 16.05.2018**.
- ❖ Conducted End Semester Examinations as Chief Exam Superintendent in St. Mary's College (Autonomous), Thoothukudi from **30.10.2017 to 18.05.2017**.
- ❖ Conducted End Semester Examinations as Chief Exam Superintendent in St. Mary's College (Autonomous), Thoothukudi from **17.04.2017 to 02.05.2017**.
- ❖ Conducted Microbiology practical examination as External Examiner in Microbiology Department, St. Mary's College (Autonomous), Thoothukudi on **21.10.2016**
- ❖ Conducted B.Sc. Botany allied practical examination as External Examiner in Madurai Diraviyam Thayumanavar Hindu College on **06.04.2010**.

14. PATENT

- ❖ The Indian patent application number 202241051885 entitled "Herbal Cosmetics for Skin Care Formulation" was published by Dr. A. Arockia Jenecius Alphonse, Associate Professor of Botany, on **15th March 2024**.

15. OTHERS

- ❖ **Guideship:** MSU/RES/INT/GUIDESHIP/R5/2017
- ❖ **Doctoral Committee Member** for part time scholar **Ms. S. Pauline Jenifer** and full-time scholar **Ms. Mary Stephy**, Department of Botany, St. Mary's College (Autonomous), Thoothukudi.

- ❖ Served as an **external examiner for question paper setting** – summative examination November 2023 at Lady Doak College, Madurai.
- ❖ **Member of Boards of Studies** in B.Sc. Botany for the period of three years from 01.09.2019 in **Manonmaniam Sundaranar University**, Tirunelveli.
- ❖ **Evaluator** for District level school students' research projects on Science for Sustainable Living presented in National Children's Science Congress 2021 on 12.12.2021 coordinated by Tamil Nadu Science Forum.
- ❖ **Member of the Board of adjudicators** for the evaluation of the Ph.D. thesis submitted by Ms. Shanti Vasudevan at Mahatma Gandhi University.
- ❖ **Evaluator** for District level school students' research projects on Understanding ecosystem for health and well-being presented in 30th National Children's Science Congress on 26.11.2022 coordinated by Tamil Nadu Science Forum.

16. ADMINISTRATIVE & OTHER RESPONSIBILITIES

S. No.	RESPONSIBILITIES	DURATION
1	Head of the Department	2023 – Till Date
2	DBT Star College Scheme Overall Coordinator & Member Secretary	2019 – Till Date
3	Center for Women Excellence – Director	2023 – Till Date
4	IQAC Assistant Coordinator	2020 – 2022
5	Research Coordinator	2019 – 2020
6	Vice Principal & Governing Body Member	2016 – 2019
7	Campus Ministry Co-Ordinator	2015 – 2016
8	Human Excellence Cell Coordinator	2015 – 2016
9	Hostel Assistant Director	2014 – 2015
10	Campus Ministry	2013 – 2014
11	Hostel Director	2011 – 2013
12	AICUF Advisor	2010 – 2011