

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

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organised by</b>	<b>Date</b>
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	<b>17.07.2024 to 29.07.2024</b>
Online faculty development program on essential skills for professional development in higher education		Participated	--	Star International Foundation for Research and Education	<b>01.07.2024 to 07.07.2024</b>
Online faculty development program on AI tools for teaching		Participated	--	Star International Foundation for Research and Education	<b>22.06.2024</b>
DBT Coordinators Meet	National	Star Report Poster Presentation	--	RVS College of Arts and Science, Sulur, Coimbatore.	<b>07.02.2024 to 09.02.2024</b>
Seminar on Navigating	National	Participated	--	Marian Research Forum & IQAC,	<b>20.01.2024</b>

consultancy, filling patent and designing research article: insights and strategies				St. 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	<b>11.12.2023</b>
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	<b>09.10.2023 to 08.11.2023</b>
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	<b>23.10.2023 to 24.10.2023</b>
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.	<b>06.10.2023</b>
Faculty Development	International	Participated	--	Department of Microbiology,	<b>04.09.2023 to</b>

Programme on Microbiology Laboratory Techniques (Phase I)				Sacred Heart College (Autonomous), Tirupattur in collaboration with Rio de Janeiro State University, Brazil Biotechnology Society of Nepal	<b>03.10.2023</b>
Faculty Development Programme on Recent trends in the industrial engineering and management	-	Participated	-	Department of Mechanical Engineering, GMR, Institute of Technology, Rajam, A.P.	<b>26.07.2021 to 30.07.2021</b>
Faculty Development Program on Recent advances of pest management in agriculture	-	Participated	-	Department of Entomology, College of Agriculture, Parul University, Vadodara.	<b>08.07.2021 to 13.07.2021</b>
Faculty Development Programme on Innovation and IPR	-	Participated	-	Holy Cross College (Autonomous), Nagercoil	<b>21.06.2021 to 27.06.2021</b>
Webinar on The fascinating World of Crystals	-	Participated	-	Department of Chemistry (UG and PG), Jhargram Raj College, Jhargram, West Bengal	<b>24.06.2021</b>
Webinar on Graphene: Chemistry, Biology, Physics and Beyond	-	Participated	-	Department of Chemistry (UG and PG), Jhargram Raj College, Jhargram, West Bengal	<b>21.06.2021</b>
FDP webinar on digital skills for smart teaching	-	Participated	-	Don Bosco College (Autonomous), Maran-Manipur	<b>14.06.2021 to 19.06.2021</b>
Workshop on Data analyses using MS-Excel	State	Participated	-	Anjuman Arts, Science, Commerce College	<b>17.06.2021</b>

				& PG studies in English, Vijayapur-Karnataka	
Short term course on graphics design for teachers	National	Participated	-	Marian Star Centre, St. Mary's College (Autonomous), Thoothukudi	<b>26.05.2021 to 31.05.2021</b>
Summer internship on Applications of DNA barcodes in systematics and biogeography- a Phyloinformatics approach	-	Participated	-	Madras Christian College (Autonomous), Tambaram, Chennai	<b>14.05.2021 to 31.05.2021</b>
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)	<b>24.04.2021</b>
Workshop on Public Financial Management System (PFMS)	State	Participated	-	St. Xavier's College (Autonomous), Palayamkottai	<b>04.02.2021 to 05.02.2021</b>
Conference on Multidisciplinary Research and Innovation	International	<b>Presented (World Book of Records)</b>	Role of Organic and Inorganic Fertilizers in the Growth and Yield of Radish	ESN Publication, Universal Digital University, USA	<b>03.09.2020 to 09.09.2020</b>
Webinar on Issues and Prospects of National Education Policy	National	Participated	-	Servite Arts & Science College for Women, Thogaimalai	<b>21.08.2020</b>
Webinar on Technological Innovation and Academia Open Industry Collaboration Under Self Reliant India	National	Participated	-	Mohamed Sathak AJ College of Engineering, Chennai	<b>23.07.2020</b>

Session on How to Conduct Online Assessment, Evaluation, Publishing for Units Test and Term Exams	--	Participated	-	Master Soft Accelerating Education	<b>11.07.2020</b>
Webinar on COVID – A Hidden War in Open Field	National	Participated	-	St. Xavier's College (Autonomous), Palayamkottai	<b>29.06.2020</b>
Webinar on Our Cosmic Consciousness	National	Participated	-	Servite Arts & Science College for Women, Thogaimalai	<b>29.06.2020</b>
Webinar on Evolution of treatment a overview: cancer and Covid19	International	Participated	-	Holy Cross College (Autonomous), Nagercoil	<b>27.06.2020</b>
Workshop on ICT Tools for Smart Teaching	National	Participated	-	Servite College of Education for Women, Thogaimalai	<b>18.06.2020 to 20.06.2020</b>
Webinar on Research Proposal Writing	--	Participated	-	Don Bosco College of Arts and Science, Keela Eral, Thoothukudi	<b>17.06.2020</b>
Webinar on Accelerating Education 4.0 using ICT Tools – Post COVID Paradigm	International	Participated	-	St. Xavier's College (Autonomous), Palayamkottai	<b>17.06.2020</b>
Virtual Training Lecture on Techniques in Intensive Production of Marine Copepods	--	Participated	-	Bharathidasan University, Tiruchirappalli	<b>15.06.2020 to 17.06.2020</b>
Technical Webinar on Design of Flexible Pavement Using IRC	National	Participated	-	Mohamed Sathak AJ College of Engineering	<b>14.06.2020</b>

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

Role of Technology in Higher Education				Indirapuram, Ghaziabad	
FDP on Evolution from Offline to Online Teaching	--	Participated	-	Satish Pradhan Dnyanasadhana College, Thane	<b>30.05.2020 to 03.06.2020</b>
Webinar on Writing Proposals for Funding Agencies: Project Design and Project Proposals	International	Participated	-	Department of Commerce, Rathinam College of Arts and Science, Coimbatore	<b>29.05.2020</b>
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	<b>29.05.2020</b>
FDP on Virtual Teaching Learning Moodle the Efficient Way	--	Participated	-	Dr. MGR Educational and Research Institute, Chennai	<b>29.05.2020 &amp; 30.05.2020</b>
FDP on Emerging Trends Information Technology	National	Participated	-	IQAC & Department of Commerce, Agurchand Manmull Jain College, Meenambakkam, Chennai	<b>28.05.2020 to 30.05.2020</b>
Webinar on Teachers for Future – Capacity Building Session	--	Participated	-	Annammal College of Education for Women, Thoothukudi	<b>27.05.2020</b>
Webinar on Anti-Viral Marine Macro Algae Sulfated Polysaccharides to Boost Immunity as Well as Active	--	Participated	-	Department of Botany, V.O.C. College, Thoothukudi	<b>27.05.2020</b>

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



Based on Nitrogen Heterosystem				Tiruchirapalli	
Webinar on an Insight into NAAC - RAF	--	Participated	-	V.O.C. College, Thoothukudi	<b>22.05.2020</b>
Webinar on Entrepreneurship	--	Participated	-	Colombo Plan Staff College	<b>21.05.2020</b>
Webinar on Mind Your Minds During Lock Down – To Counter Stress	--	Participated	-	Department of Mathematics, V.O.C. College, Thoothukudi	<b>20.05.2020</b>
Webinar on Recent Trends in Digital Image Processing	--	Participated	-	Shri Krishnaswamy College for Women, Chennai	<b>20.05.2020</b>
Webinar on Soft Skills Development	--	Participated	-	Colombo Plan Staff College	<b>19.05.2020</b>
Webinar on NAAC: A Guide for Beginners	--	Participated	-	Indra Ganesan College of Engineering, Tiruchirapalli	<b>19.05.2020</b>
Webinar on Re-evaluating COVID 19 for New Business Opportunities	National	Participated	-	Department of Economics, Thakur College of Science & Commerce (Autonomous), Mumbai	<b>19.05.2020</b>
Webinar on Cultivating a Positive Attitude for Professional Excellence	--	Participated	-	Colombo Plan Staff College	<b>13.05.2020</b>
Online Workshop on Mental Health and Psychosocial Consideration During Lock Down	--	Participated	-	St. Mary's College (Autonomous), Thoothukudi	<b>13.05.2020 &amp; 14.05.2020</b>
FDP on Moodle Learning Management System	--	Participated	-	V.P. Institute of Management Studies and Research, Sangli in Association with	<b>12.05.2020 to 17.05.2020</b>

				Spoken Tutorial IIT Bombay	
FDP on Research Challenges and Innovations in Renewable Energy Systems	International	Participated	-	Department of Electrical and Electronics Engineering & Centre for Renewable Energy Technology, AVIT	<b>11.05.2020 to 16.05.2020</b>
Webinar on Role of TVET Schools in Bridging the Gap in Workforce Development	--	Participated	-	Colombo Plan Staff College	<b>08.05.2020</b>
Webinar on Redefining Learning Spaces – Change agent in Educational Ecosystem	--	Participated	-	Colombo Plan Staff College	<b>06.05.2020</b>
Webinar on Revised Taxonomy of Learning Domains and its Implication	--	Participated	-	Colombo Plan Staff College	<b>05.05.2020</b>
Webinar on Bacterial Virulence: Perspective and Pragmatic Approach	--	Participated	-	Department of Microbiology, Academy Degree College (Autonomous), Bangalore	<b>05.05.2020</b>
Webinar on Use of Elsevier Tools in Research Work Flow	National	Participated	-	Department of Commerce, University of Madras, Chennai	<b>05.05.2020</b>
FDP on Empowering Teachers for Smart Teaching	--	Participated	-	St. Joseph's PU College, Bangalore	<b>05.05.2020 to 11.05.2020</b>
FDP on Trends and Opportunities in Life Science Sector	--	Participated	-	PG Department of Microbiology, Cauvery College for Women (Autonomous), Trichy	<b>03.05.2020</b>

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 Application in Teaching and Learning	--	Participated	-	Colombo Plan Staff College	22.04.2020
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 <sup>st</sup> 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	<b>Presented</b>	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	National	Participated	-	Coimbatore Institute of	03.09.2019 to

Teaching Skills				Technology	<b>07.09.2019</b>
Workshop on Research Integrity & Awareness	National	Participated	-	University Grant Commission, South Eastern Regional Office, Hyderabad	<b>05.08.2019</b>
Seminar on Indian Higher Education: Current Status and Leadership Challenges	National	Participated	-	Christ University	<b>11.06.2019 to 13.06.2019</b>
Workshop on “Autonomy to Colleges, Benefits and way forward”	National	Participated	-	UGC, SERO, Hyderabad	<b>04.02.2019</b>
Workshop on “NAAC Reforms: Outcome based education – an overview”	National	Participated	-	IQAC, V.O.Chidambaram College, Thoothukudi	<b>14.12.2018 &amp; 15.12.2018</b>
Seminar on Prevention of Sexual Harassment at Working Places & Creation of Legal Awareness	University	Participated	-	Centre for Women Empowerment & Women Studies, Manonmaniam Sundaranar University	<b>03.10.2018</b>
Workshop on Public Financial Management Systems (PFMS) with special reference to EAT modules	National	Participated	-	VHNSN College (Autonomous), Virudhunagar	<b>07.08.2018 &amp; 08.08.2018</b>

## 2. PAPER PUBLICATIONS (2010 – 2024)

Paper Title	Author(s)	Journal	Year	Volume	Issue	Page No.
Antioxidant potential of silver nanoparticles synthesized from	<b>A. Arockia Jenecius Alphonse</b> M. Paripooranaselvi, M.I. Delighta Mano	Egyptian Academic Journal of Biological	2024	16	1	<b>239-247</b>

ascidians	Joyce, R. Sri Priya and J. Antony Rajam	Sciences				
Qualitative and quantitative analysis of phytochemical studies on selected red seaweeds from Gulf of Mannar	Shantha M and <b>Arockia Jenecius Alphonse</b>	Journal of Nonlinear Analysis and Optimization	2024	15	1	<b>15 - 20</b>
Phytochemical constituency profiling and antimicrobial activity of <i>Haloplegma duperreyi</i> from the Mandapam, Rameshwaram Coast, Tamil Nadu	Shantha M and <b>Arockia Jenecius Alphonse</b>	International Journal of Natural Sciences	2023	14	80	<b>63506 -- 63514</b>
Biosynthesis, characterization and corrosion inhibitory efficiency of silver nanoparticles using ascidians	<b>Arockia Jenecius Alphonse</b> Paripooranaselvi Delighta Mano Joyce Antony Rajam Stella Packiam	European Chemical Bulletin	2023	12	10	<b>10451 - 10461</b>
Identification and quantification of potential bioactive compounds from seaweed of <i>Champia compressa</i>	Shantha M and <b>Arockia Jenecius Alphonse</b>	International Journal of Pharmaceutical Sciences and Research	2023	14	2	<b>774 - 781</b>
Impact of freezing on the nutritive content of <i>Penaeus indicus</i> in Thoothukudi coastal region of Tamil Nadu, India	Subavathy P and <b>Arockia Jenecius Alphonse A</b>	Bulletin of Environment, Pharmacology and Life Sciences	2022		3	<b>220 - 223</b>
<i>Pleurotus</i>	Selvaanathi	Acta	2022	118	1	<b>1 - 7</b>

cultivation: a sustainable way to utilise agro waste	<b>Arockia Jenecius Alphonse</b>	Agriculturae Slovenica				
Anti-diabetic, Anti-oxidant, Fluorescence and filter characterizations of Bis glycine lithium bromide monohydrate (BGLBMH) macro and nano-scaled crystals	<b>Arockia Jenecius Alphonse A</b> Divya R.P. Kannan K.S. Sophia I.A. Ravindran B. Krishnaveni R.	International Journal on Current Research and Review	2021	13	18	<b>35-39</b>
Efficacy of Organic and Inorganic Fertilizers in the Growth and Yield of Radish	<b>Arockia Jenecius Alphonse A</b>	Journal of Critical Reviews	2020	7	10	<b>3011 - 3022</b>
Antidiabetic Studies of bis-glycine hydro bromide (45 nm) Nano Crystals	<b>Arockia Jenecius Alphonse A</b>	Materials Today: Proceedings	2020	33	--	<b>3201 - 3202</b>
Anti-diabetic Activities of ZnO doped with Ce (5%) Nanoparticles	<b>Arockia Jenecius Alphonse A</b>	Materials Today: Proceedings	2020	33	--	<b>3056 - 3057</b>
Pharmacognostic and phytochemical evaluation of <i>Bacolepis nervosa</i> stem and leaf.	<b>Arockia Jenecius Alphonse A</b> Mohan V. R	Int. J. Pharm. Sci. Rev. Res	2017	42	1	<b>197 - 206</b>
Hepatoprotective activity of ethanol extract of <i>Bacolepis Nervosa</i> against carbon tetrachloride induced hepatotoxicity in albino rats	<b>Arockia Jenecius Alphonse A</b>	International Journal of Applied Biology and Pharmaceutical Technology	2017	8	3	<b>63-72</b>

Evaluation of antifertility potential of ethanolic extract of <i>Bacolepis nervosa</i> in male albino rats	<b>Arockia Jenecius Alphonse A</b> Mohan V.R.	Asian Journal of Pharmaceutical and Health Sciences	2017	7	2	<b>1675 - 1682</b>
Antidiabetic activity of <i>Bacolepis nervosa</i> (Wight and Arn.) Decne. Ex moq. extract on alloxan induced diabetic rats.	<b>Arockia Jenecius Alphonse A</b> 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.	<b>Arockia Jenecius Alphonse A</b> Mohan V. R	Int. J. Pharm. Sci. Rev. Res.	2014	27	1	<b>292 - 297</b>
Anti-inflammatory activity of ethanol extract of <i>Bacolepis nervosa</i> (Wight & Arn.) Decne. ex Moq. using carrageenan induced paw edema in albino rats.	<b>Arockia Jenecius Alphonse A</b> Mohan V. R	World J. Pharmaceu. Res.	2014	3	4	<b>1384 - 1391</b>
<i>In vitro</i> antioxidant potential of leaf extracts of the endemic plant <i>Bacolepis nervosa</i> (Wight & Arn.) Decne. ex Moq. (Periplocaceae)	<b>Arockia Jenecius Alphonse A</b> Mohan V. R	J. Adv. Pharm. Edu. Res.	2014	4	2	<b>206 - 215</b>

GC-MS analysis of bioactive components on the stem extract of <i>Bacolepis nervosa</i> (Wight & Arn.) Decne. ex Moq. (Periplocaceae).	<b>Arockia Jenecius Alphonse A</b> and Mohan V. R.	World J. Pharm. Pharmaceu. Sci.	2014	3	4	<b>1044 - 1059</b>
Bio-efficiency of three seaweeds collected from the Manapad coast, India.	<b>Arockia Jenecius Alphonse A</b> and Marcellin.	Marian Quest	2014	2	2	<b>34-47</b>
<i>In vitro</i> antioxidant activity of <i>Amorphophallus paeoniifolius</i> (Dennst.) Nicolson var. <i>campanulatus</i> (Blume ex. Decne) Sivadasan	<b>Arockia Jenecius Alphonse A</b> and Mohan V.R.	Int. J. Pharmaceu. Res. Biosci.	2013	2	5	<b>211 - 222</b>
Studies on medicinal potentials of <i>Sauropus androgynus</i> .	<b>Arockia Jenecius Alphonse A.</b>	Journal of Basic and Applied Biology	2012	6	--	<b>70 – 73</b>
GC-MS determination of bioactive components of <i>Sauropus bacciformis</i> Blume (Euphorbiaceae).	<b>Arockia Jenecius Alphonse A,</b> Uthayakumari F and Mohan V.R.	Journal of Current Chemical and Pharmaceutical Science	2012	2	4	<b>347 - 358</b>
<i>In vitro</i> Antioxidant Activity of <i>Sauropous bacciformis</i> Blume (Euphorbiaceae).	<b>Arockia Jenecius Alphonse A</b> Uthayakumari F Mohan V.R.	International Research Journal of Pharmacy	2012	3	9	<b>256 - 259</b>
Effect of Acibenzolar – S – methyl (ASM) pre – treatment in	Radhakrishnan N, <b>Arockia Jenecius Alphonse A</b> Balasubramanian R.	Crop Protection	2010	30	1	<b>1-9</b>



inducing resistance against <i>Pythium amphanitermatum</i> infection in <i>Curcuma longa</i> .						
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### 3. PROCEEDINGS (2020 – 2024)

Paper Title	Author(s)	Conference / Seminar	Year	Page No.	Organized by
Assessing the Relationship Between Physicochemical Parameters and Microalgal Diversity in Saltpan Thoothukudi	S. Vellammal and <b>A. Arockia Jenecius Alphonse</b>	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 <b>A. Arockia Jenecius Alphonse</b>	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 <b>A. Arockia Jenecius Alphonse</b>	Integrating Innovative Pedagogies and Multidisciplinary Research for Successful Research Grants	2024		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 <b>A. Arockia Jenecius Alphonse</b>	The Recent Trends in the Role of Microbiota in Human Health and Diseases (RTMHD'23)	2023		Sadakathullah Appa College (Autonomous), Tirunelveli
Comparative study of effects of different substrates on yield of oyster	V. Santhiya N. Sesu Lourdu Nivisha M. Sivaneshwari	SMC Science Updates Star Proceeding	2020	17 - 27	St. Mary's College (Autonomous), Thoothukudi

mushroom and its nutritional value	M. Sivaranjitha S. Sophia <b>A. Arockia Jenecius Alphonse</b>				
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#### 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 <b>(Overall Co-Ordinator &amp; Member Secretary)</b>	Two-year extension of Star College Scheme <b>Completed</b>	102/IFD/SAN/50 71/ 2018-2019	16.09.2022 - 15.09.2024	28,00,000	DBT
Dr. Sr. A. Arockia Jenecius Alphonse <b>(Overall Co-Ordinator &amp; Member Secretary)</b>	Financial support for strengthening of life science and biotechnology education and training at UG level under star college <b>Completed</b>	102/IFD/SAN/50 71/ 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) <b>Completed</b>	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) <b>Completed</b>	F. MRP-3445/10	2010-2012	1,00,000	UGC

## 5. BOOK PUBLISHED

TITLE OF THE BOOK	NAME OF THE AUTHORS	PUBLISHER	PAGE	YEAR	ISBN
Biochemistry Volume II	<b>Dr. Sr. A. Arockia Jenecius Alphonse,</b> Dr. G. Amala Jothi Grace and Dr. P. Subavathy	CBA Publisher	170	2022	978-93-80430- 81-2
Biochemistry Volume I	<b>Dr. Sr. A. Arockia Jenecius Alphonse,</b> 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.	<b>6</b>	<b>33</b>
M.Sc.	<b>14</b>	<b>14</b>
M.Phil.	<b>2</b>	<b>2</b>

## 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 **101<sup>st</sup> 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 PG Botany Practical Examinations as External Examiner in VOC College, Thoothukudi from **28.10.2024 to 29.10.2024**.
- ❖ 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 **15<sup>th</sup> 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 30<sup>th</sup> National Children's Science Congress on 26.11.2022 coordinated by Tamil Nadu Science Forum.

#### **16. ADMINISTRATIVE & OTHER RESPONSIBILITIES**

<b>S. No.</b>	<b>RESPONSIBILITIES</b>	<b>DURATION</b>
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