Dr. N. Malathi

Designation : Associate Professor

Department : Zoology

Email ID : malathi.zoology@fcmdu.edu.in

Languages Proficiency

Read : Tamil, English, Hindi, Sanskrit, French & German

Write : Tamil, English, Hindi, Sanskrit, French & German

Speak : Tamil, English &Hindi

1. Qualification

S. No.	Degree / Diploma / Certificate	Discipline	Name of the Institution	Year of Passing
1.	UG	Zoology	Fatima College, Madurai	1995
2.	PG	Biology	Madurai Kamaraj University, Madurai	1997
3.	Ph.D.	Biology	Madurai Kamaraj University, Madurai	2004
4.	Diploma	Advanced Diploma in Business Application (Computer Course)	Datapro, Madurai	1998
5.		Diploma in Visual Programming (Computer Course)	Ultra-Computer Academy	1998
6.	Certificate	Course In German Language	Madurai Kamaraj University, Madurai	2001
7.	Diploma	Diploma In Acupuncture Therapy	Agaram Institute of Life Science, Madurai	2014
8.	Master Diploma	Acupuncture	Agaram Institute of Life Science, Madurai	2015

2. Teaching Experience / Other Experience

S. No.	Institution / Organization	From - To
1.	Research Scholar at MKU	May 1998 to Sep. 2003
2.	Department of Biotechnology, Satyabama University, Chennai	Jan. 2004-June 2006
3.	Department of Zoology, Fatima College	June 2006-Till Date

3. Position Held in Fatima (Vice Principal, HoD, Dean, Coordinator, Member etc.)

S. No.	Name of the Position	From - To
1.	Research Cell Advisor	2006 – 2018

S. No.	Name of the Position	From - To
2.	E-Content Co-Ordinator	2007 – 2011
3.	Extension Activity Department Advisor	2007 – 2009
4.	Quality Circle Facilitator	2008 – 2012
5.	IQAC Workshop –Model Teacher	2009
6.	Time Table In-Charge	2009 – 2010
7.	Student Counselor (Department In-Charge)	2009 – 2011
8.	IQAC Extension Member for Research Cell	2010
9.	Member- Calendar Committee	2011 – 2012
10.	Member, Women Cell	2011 – 2014
11.	Placement Co-Ordinator	2011 – 2015
12.	E-Content Department Representative	2012 – 2018
13.	Online Course Instructor – Biodiversity	2012 –2018
14.	Diamond Jubilee Exhibition Core Committee Member	2013
15.	Online Course Co-Ordinator	2013 – 2017
16.	Staff Club Secretary – Teaching Staff Association	2014 – 2015
17.	Coordinator, Women Cell	2014 – 2015
18.	Head of the Department I/C	2015 – 2017
19.	Green Club Coordinator	2016 – 2018
20.	UGC Propel Initiation Committee-Dept. Link Person	2017 – 2018
21.	Dean of Academic Affairs	2018 -2022
22.	Iqac Extended Committee	2018 -2022
23.	Member-Purchase Committee	2018
24.	PG Off-Class Programme Co-Ordinator	2019 -2022 & 2023-2024
25.	Member-Calendar Committee	2020
26.	Member-NAAC Documentation committee	2021
27.	Quality Circle Co-Ordinator	2024-2025
28.	Dean of Research	2025 onwards
29.	IPR Cell	2025 Onwards

4. ACHIEVEMENTS

S. No.	Name of the Award	Award Received for	Sponsors / Source	Date
1.	Cash Award	Merit in 10th Standard	Tamil Nadu Govt.	May, 1990
2.	Best Social Star	Green Club	Humanity Protection Organization	Feb. 2017
3.	Best Performance Award	Excellent Contribution in Teaching, Research and Extension	Fatima College	Feb. 11, 2017
4.	Best Social Forum-	Green Club for the Dedicated	Dr. Abdul Kalam Trust	Mar. 15,

	National Level Award	and Significant Contribution on Green Environment		2017

5. Membership in Professional / Other Bodies / Committees

S. No.	Name of the Position	Name of the Body	Name of the Institution	Duration
1.	Aqua Terr Coordinator	-	Madurai Kamaraj University	2001– 2002
2.	Guest Lecturer	-	Prof. Dhanapalan College for Women, Chennai	2003 – 2004
3.	Course Co-Ordinator	-	Department of Biotechnology, Sathyabama University, Chennai	2004 – 2005
4.	Question Paper Setter	-	AVC Arts and Science College, Mayiladuthurai	2007 – 2008
5.	External Examiner	-	Thiagarajar College of Arts and Science, Madurai	2007 till date
6.	Question Paper Setter	-	Lady Doak College, Madurai	2007 Onwards
7.	External Examiner	-	Vellaichamy Nadar College, Madurai	2008 Onwards
8.	Question Paper Setter	-	Sacred Heart College, Thiruppaththur	2009 Onwards
9.	Question Paper Setter	-	PSG Arts and Science College, Coimbatore	2009
10.	Question Paper Setter	-	Jeyaraj Anna Packiam College for Women, Periyakulam	2010 –2016
11.	External Examiner- Question Paper Setting & Evaluation Doctoral Committee External Member	-	The American College. Madurai	2019 onwards 2024 onwards
12.	Member	Board of Studies	Madurai Kamaraj University, Madurai	2009 – Till Date
13.	Academic Auditor	Board of Studies	Thiagarajar College, Madurai	2015 – 2017
14.	Subject Expert	Board of Studies	Vivekananda College, Thiruvedagam	2018 - 2020
15.	Subject Expert	Board of Studies	GTN College, Dindigul	2019-2020
16.	Subject Expert	Board of Studies	SVN College, Madurai	2020 - 2021
17.	Subject Expert	Board of Studies	Vivekananda College	03.02.2024 &01.02.2025

6. Areas of Specialization

- Ecophysiology
- Bioremediation
- Acupuncture
- ENVIRONMENTAL TOXICOLOGY

7. Research Guides/Guidance Details

Research Details

S. No.	Name of the University in which Recognized as Guide	Registration Number	Date of Guideship Received	Ph.D. Guideship Details			
				Ongoing		Completed	
				Full Time	Part Time	Full Time	Part Time
1.	Madurai Kamaraj University, Madurai	1923	03.09.2018	-	4	-	-

Ph.D. Guidance Completed/Ongoing

S. No.	Student Name	Title of Thesis	Mode of Ph.D. (Full Time / Part Time	Registration Number	Date of Registration	Name of University/ Institution under which Registered	Registered/ Pursuing/ Submitted/ Pre-Viva/ Viva/ Awarded	Date (Submitted / Pre-Viva/ Viva/ Awarded)
1.	M. Shalini	Effects of Selected Food Additive in A Fresh Water Fish	Part Time	Mku21pfos9973	07.01.2021	Madurai Kamaraj University	Registered	
2.	J. Jaya Supa Sooriya	Evaluation of Effect of Food Additive in A Fresh Water Fish	Part Time	Mku21pfos9989	29.01.2021	Madurai Kamaraj University	Registered & Pursuing	
3.	T. Rino	Assessment of Certain Immunogens in Controlling Ticks and Tick-Borne Diseases	Part Time	Mku21pfos9966	07.01.2021	Madurai Kamaraj University	Registered	
4.	Sr. Cicy Joseph	Treatment of Chosen Chemicals in Zebra Fish	Part Time	Mku21pfos10039	26.04.2021	Madurai Kamaraj University	Registered & Pursuing	
5.	G. Navaneetha Pandiyan	Genomic A D Transcriptomic Analysis of the Dengue Vector,	Full Time	Mku23ffos11264	17.04.2023	Madurai Kamaraj University	Registered & Pursuing	

		Aedes aegypti						

8. Fellowship Received

- Cleared Gate '97, Percentile Score (84.12)
- Recipient of JRF Fellowship from World Bank Project from 1998 to 2000 (2 Years)
- Recipient Of CSIR-SRF Fellowship From 2000 To 2003 (3 Years)

9. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programme	Theme	Organized by	Date
1.	Training Programme in Techniques	DNA Based Marker Technologies for Molecular Taxonomy Studies	Tata Energy Research Institute, Sponsored by Department of Biotechnology, New Delhi	Feb.2000
2.	Training Programme	Multimedia and E-Content Development	UGC-Cecand Lady Doak College, Madurai,	June 18 - 21, 2007
3.	FDP Programme	Advance Teaching Methodologies	Kgsil, Institute of Information Management, Coimbatore,	Jan.06, 2008
4.	Orientation	-	ASC-MKU	Feb. 2010
5.	Training Programme	4 Day International Base Camp on Quality Assurance of Multimedia Learning Materials	Common Wealth Educational Media Centre for Asia (Cemca) and Supported by Ministry of Human Resource Development Government of India and Ministry of Higher Education, Malaysia and MKU	Feb. 01 - 04, 2010
6.	Training Programme	E-Content Development for College Teachers	Center For Educational Research" (CER), Madurai Kamaraj University	Sep. 27 & 28, 2010
7.	Training-Cum-Production Workshop	E-Content Development	Fatima College in Collaboration with Department of Educational Technology, Bharathidasan University	Apr. 16 - 20, 2012
8.	Workshop on E-Content	E-Content Training Programme	Jointly Organized by Bharathidasan University, Trichy and Fatima College	April 2012
9.	DST and NRDMS Sponsored Summer Training Program	Geospatial Technologies and Application	Jointly Organized by Department of Future Studies, School of Energy, Environment & Natural Resources, MKU and NRDMS	May 08 - 28, 2012
10.	Training and Awareness Program	Tree Cover Assessment to Combat Pollution in Madurai	Tamil Nadu Agricultural University	Nov. 22, 2013
11.	Refresher Program	Refresher Course in Life Sciences	Academic Staff College, Pondicherry University, Puducherry	Dec. 03 - 23, 2013
12.	Refresher Program	Recent Trends in Environmental Sciences	UGC-HRDC, Madurai Kamaraj University, Madurai	Mar. 11 - 31, 2016
13.	Faculty Development Programme	Teach to Transform	IQAC, Fatima College, Madurai	June 10 & 11, 2016
14.	Faculty Orientation Programme	The Vision and Mission of	IQAC, Fatima College, Madurai	July 13, 2017

		Higher Education		
15.	Faculty Orientation Programme	-	IQAC, Fatima College, Madurai	June,2018
16.	Two-Day Faculty Development Programme& National Workshop	Outcome Based Education	Don Bosco College, Yelagiri	Oct. 26 & 27, 2018
17.	National Consultation	National Education Policy 2019	Consortium of Christian Minority Higher Educational Institutions, St. Joseph's College, Trichy	June 30, 2019
18.	Two-Day Faculty Development Programme& National Level Training	Evaluation Reforms in Higher Education	UGC, Ministry of HRD, Govt. of India, South Eastern Regional Office Held at University of Hderabad	July 18 & 19, 2019
19.	Inspirational Leadership for Higher Educational Institutions in India in the 21st Century	National Seminar	Fatima College (Autonomus) jointly organise with St. joseph's college in association with Xavier Board of Higher Education in India	Feb. 25, 2020
20.	Refresher courses in Life Sciences	UGC-HRDC	Guru Jambeshwar University of Science & Technology, Hisar, Haryana	Sep. 16 - 29, 2021
21.	Training Programme	NAAC Data Collection and Submission	IQAC, Fatima College, Madurai	Jan. 14, 2020
22.	6 day online FDP	AI Powered Learning: Shaping the Future of Education	Department of Computer Science and Applications, Vivekananda Arts and Science College for Women, Sankagiri	Jan. 20 - 25, 2025
23.	International 5 days online FDP	Empowering Faculty within Intellectual Property Rights and AI Tools for Innovation and Excellence	Global Research &Training Centre, Chennai	June 23 -27, 2025

TRAINING PROGRAMMES ORGANIZED

S. No.	Programmes	Theme	Organized By	Date
	One-Day Seminar Cum Workshop	Training the Staff Members in their E-Material Preparation, Rules and Guidelines Governing the Development of E-Content	E-Content Development Cell, Fatima College	Dec. 24, 2008
	Hands on Training on Photoshop, Flash and Dreamweaver	Training all the Staff Members Who are Involved in E-Content Development	E-Content Development Cell, Fatima College	Apr. 02 - 17, 2009
	Workshop on Video Production	Training to all the Staff Members Who are Involved in E-Content Development	E-Content Development Cell with IQAC, Fatima College	Mar. 28 - 30, 2010
	Three-Day Online Training for all the Staff Members	Usage of You tube Downloader, Delnet & Airc (American Information Resource Centre)	E-Content Development Cell, Fatima College	Sep. 24 - 26, 2009
	One-Day Seminar Cum Workshop	Pattupuzhu Valarpu Kuritha Payialrangu	Department of Zoology, Fatima College, Madurai	Dec. 01, 2016
	Exploria'17 Intercollegiate Research	Youth Agents of Emancipation & Social Transformation	Research Advisory Committee, Fatima	Mar. 14, 2017

	Fest		College, Madurai	
	5-Day International conference (virtual)	Global Service Learning	Fatima College	July 29 - Aug. 02, 2020

10. Paper Presented on National/International Seminars, Workshops, Conferences & Symposiums

S. No.	Programme & Theme	Organized By	Date	Title Of the Paper
1.	National Seminar on"Sustaining and Enhancing Quality in Higher Education: Intervention Strategies	IQAC, Fatima College Madurai	Feb. 27, 2009	Best Practices for Implementing E-Content: an Integrated Approach
2.	International Conference on "Digitalizing Administration, Issues and Challenges in E-Governance"	Presidency College, Chennai	Mar.17& 18, 2008	Adopted Tools and Guidelines for Creation, Management and Implementation of e-Content for Higher Education
3.	National Seminar on "National Science Day"	MKU, Madurai	1997	Effect of Al. Toxicity on Acacia Nilotica- A Fast Growing Legume Tree
4.	National Seminar on "Biotechnology at the Turn of Millennium"	Anna University, Chennai	2002	Genetic Diversity of Casuarina Equisetifolia populations Revealed Through Marker Studies: Isozyme, Protein Profile and Peptide Sequencing
5.	National Seminar on "Recent Advances in Plant Science and their Relevance to Agriculture and Industry"	Annamalai University, Chidambaram	2002	Protein as a Marker Tool to Reveal Polymorphism in Casuarina Equisetifolia Clones
6.	National Symposium on "Relevance of Plant Biochemistry and Biotechnology- Modern Trends"	Society for Plant Biochemistry & Biotechnology, Iari, New Delhi	2001	A Short Termaluminium Toxicity Studies on Physiological and Morphological Pattern of A. Nilotica
7.	International Conference on Solutions to Ecological Challenges: Multidimensional Perspectives	Fatima College, Madurai	Dec. 11 – 13 2014	Marker Assisted Selection of Superior Tcr Clone from the Casuarina Equisetifolia Population in the Semiarid Region of Madurai
8.	International Conference on "Challenges and Opportunities in Life Sciences"	Sri Meenakshi Govt. Arts and Science College, Madurai	Apr.05 &06, 2016	Alleviation of Human Health Hazards Through Developing Multifunctional Microbial Strain
9.	National Conference on Evaluation of Teaching	Thiagarajar College, Madurai	Apr. 1&2, 2016	Perspectives of Developing E-Learning for Different Stakeholders
10.	National Conference On Bio Researches: Conservation, Utilization And Future Prospects	Gandhigram Rural Institute-Deemed University, Dindigul	Feb. 16 & 17, 2017	Selection of Superior C. Equisetifolia Clones using Marker and the Performance Ofprovenencial

S. No.	Programme & Theme	Organized By	Date	Title Of the Paper
				(Thiruchendur) Trial in Madurai
11.	ICSSR Sponsored National Seminar on Agriculture in the New Millennium- Nutritious Seeds for A Sustainable Future	Fatima College, Madurai	Feb. 24, 2017	GM Crops and Food Security
12.	International Conference on Recent Developments in Arts, Science, Agriculture and Environment [Ic-Rdasae]	Kuala Lumpur, Malaysia	May 05 – 08, 2017	Assessment of Genetic Diversity using Physiological Markers in Casuarina Equisetifolia Clones
13.	One Day Seminar on Sustainable Development and Natural RESOURCES (SDNR)	GTN Arts College (Autonomous), Dindigul	22 Mar,2022	Effect of Selective Food Additives in the Freshwater Fish (Tilapia)
14.	Two Day International Conference on Recent Trends in Vaccine and Biomaterials for Animal Health	Department of Animal Health & Management, Alagappa University, Karaikudi	Feb 1 &2, 2024	Assessment of Acute Toxicityof Food Additive-Sodium Metabisulphite in Danio Rerio (Zebra Fish)
15.	Inauguration of Quality Circle-	Quality Circle	Aug.29,2024	5s Strategies for Effective Quality Circle

11. Participated on National/International Seminars, Workshops, Conferences & Symposiums

S. No.	Programme & Theme	Organized By	Date
1.	National Seminar on “Innovative Practices”	IQAC, Fatima College, Madurai	Feb. 19 & 20, 2008
2.	National Seminar on “Functional Genomics”	MKU, Madurai	Feb. 14 - 17, 2002
3.	Workshop on Understanding and Handling Stress	IQAC, Fatima College, Madurai	Aug. 11, 2009
4.	Workshop on Emotional Intelligence	IQAC, Fatima College, Madurai	Jan. 13 & 14,2011
5.	National Symposium on “Computational Approaches in Microbial Technology”	Manonmaniam Sundaranar University	2014
6.	One Day Seminar on “Implications of New Education Policy: A Discourse”	IQAC, Fatima College, Madurai	Aug. 10, 2016
7.	National Seminar on Nurturing Academic Integrity: Consistency & Transparency in Academia	Fatima College, Madurai	Sep 17, 2018
8.	National Seminar on Innovation in Higher Education Curiculum - Quality Enhancement of Digital Natives and Promoting Social Equity	IQAC, Fatima College	Aug.30,2019
9.	National Seminar on Inspirational Leadership for Higher Education Institutions in the 21st Century	Fatima College & St. Joseph’s College, Trichirapalli	Feb.25, 2020
10.	Current Research in Life Science	Department of Zoology, Fatima College	July 27 & 28,2020
11.	Webinar on Stem Cell Biology	Department of Zoology, Fatima College	May 29.
12.	Capacity Building Programme of ulbs and Stakeholders on Waste Management Rules 2016	Madurai Corporation	May 04, 2018
13.	UGC Orientation Workshop on “Adoption, Promotion & Production of MOOCs for Swayam Platform	Maulana Azad National Urudu University, Hyderabad	Aug. 31, 2018

14.	Two-Day Faculty Development Workshop on Outcome Based Education	Don Bosco College, Yelagiri	Oct. 26 & 27, 2018
15.	International Conference: Precision Nutrition and Health: Foresight Future of Disease Prediction and Prevention	Fatima College	May 09, 2022
16.	National Webinar on Emergence and Spread of Antimicrobial Resistance in Aquaculture	Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Fisheries College and Research Institute	Mar. 27, 2024
17.	Science and Scientific Outlook	Fatima College, Madurai	Feb. 26, 2017

12. Organized National/International Seminars, Workshops, Conferences & Symposiums

S. No.	Programme & Theme	Organized By	Date
1.	International Symposium on Emerging Trends on biochem-Nutraceuticals	Fatima College, Madurai	Dec. 04, 2015
2.	International Seminar on Transformation of UG Students to Great Scholars	Fatima College, Madurai	Mar.08, 2016
3.	Research Exploria	-	Mar.09, 2016
4.	Regional Level Workshop Cum Seminar Pattupuzhu Valarppu Kuritha Karutharangu	Fatima College, Madurai	Dec. 01, 2016
5.	UGC Sponsored National Seminar on Herbs for Holistic Health	Fatima College, Madurai	Dec. 20, 2017
6.	Intellectual Property Rights Workshop	Fatima College, Madurai	Dec. 10, 2017
7.	5-Day International Conference on Global Service Learning	Fatima College	July 29 - Aug. 02, 2020
8.	Challenges in Health Science Research	Department of Zoology, Fatima College, Madurai	Feb. 08, 2024

13. Guest Lectures/Endowment Lectures Organized

S. No.	Programmes	Sponsored By	Organized By	Date
1.	International Guest Lecture on Vaccine Development Through DNA Technology	Autonomy Grant	Fatima College, Madurai	Sep. 09, 2016
2.	Dr. Gita Paul Endowment Lecture on Stem Cell Therapy for Corneal Reconstruction	Autonomy Grant	Fatima College, Madurai	Feb. 21, 2017
3.	Outcome Based Education	Autonomy Grant	Fatima College, Madurai	Sep. 30,2018
4.	Dr. Gita Paul Endowment Lecture	Autonomy Grant	Fatima College, Madurai	Feb. 16, 2024
5.	Wild Life Conservation, Guest Lecture	Autonomy Grant	Fatima College, Madurai	SEP. 27, 2023

14. Articles Published in Journals/Proceedings/Magazines/Books

S. No.	Journal/Proceeding / Magazine/Book Name	Title of the Article	Month/ Year	Vol. No.	Issue No.	Page No.	ISSN	Publisher
1.	Journal of Plant Biology	The Effect of Aluminium on Hydroponically Grown Acacia Nilotica Seedlings	2001	28	1	105-109	-	Society For Plant Physiology, New Delhi
2.	Journal of Plant Biology	The Effect of Aluminium on the Growth and Physiology of Acacia Nilotica Seedlings	2002	29	1	32 – 39	-	Society For Plant Physiology, New Delhi
3.	Solutions to Ecological Challenges: Multidimensional Perspective	Marker Assisted Selection of Superior Tcr Clone from the Casuarina Equisetifolia Population in the Semiarid Region of Madurai	2014	2	-	204-210	978-81-926370-2-0	Reflections, Madurai
4.	Proceedings in the NAAC Sponsored National Seminar “Benchmarks for Excellence in Teaching and Evaluation	Perspectives of Developing E-Learning for Different Stake Holders	April. 1 & 2, 2016	-	-	91	978-93-832009-04-0	Thiagarajar College, Madurai
5.	Shanlax International Journal of Economics	Safety Assessment of Agronomic Traits in Food Production Using GM Technology	Feb. 2017	5	1	11-17	2319-9610	Fatima College, Madurai
6.	International journal of Recent Science Research	N-Terminal Sequence Analysis of Few Amino Acids of RUBISCO protein	2020	11(06)	-	38824-38825	-	
7.	Journal of Experimental Biology and Agricultural Sciences	Comparative Study of Haematological Parameters in the Fishes from the Natural Habitat, Madurai Region	FEB. 2021	9	SPL-1-GSCD		ISSN No.2320-8694	
8.	International journal of Biomolecules and Biomedcine	The Excitotoxic Effect of Monosodium Glutamateon zebra fish (Danio rerio)	dec. 2023	17	no. 3	7-12	issn 2221-1063, 222-503x(on	INNSPUB

							line)	
9.	Advances in Bioresearch	Assessment of socio-Economic Profile and Fast-Food Consumption Pattern among Children of the Northern Region of India	IN PRESS				wOs, ISSN: 2277-1573, p-ISSN:0976-4585	
10	Journal of Nursing and Patient Health Care	Sodium Metabisulphite as a Food additive: Mechanisms of Action and Health Implications	2024	5	1	103-113	2767-9292	Annex publisher, USA
11.	Journal Food Health and Bioenvironmental Science	A Panoramic Review on the Extensive Applications of Sodium Benzoate: Human Health Implications, Environmental Impact and Regulatory Framework (in Press)	2025					thailand
12.	Proceedings in the International Conference on "Digitalizing Administration, Issues and Challenges in E-Governance"	Adopted Tools and Guidelines for Creation, Management and Implementation of E-Content for Higher Education	2008	-	-	72	-	Presidency College, Chennai
13.	Proceedings in the National Seminar on "Sustaining and Enhancing Quality in Higher Education: Intervention Strategies"	Best Practices For Implementing Econtent: An Integrated Approach	2009	-	-	32- 39	-	Fatima College, Madurai
14.	Proceedings in the National Seminar on Bioresource Management An Integrated Approach	The Conservation And Sustainable Utilization Of Bioresources For Promising Future	2009	-	-	56	-	Fatima College, Madurai
15.	Proceedings in International Conferences on challenges & Opportunities in Life Sciences	Alleviation Of Human Health Hazards Through Developing Multifunctional Microbial Strain	2016	-	-	15	-	Meenakshi College of Arts for Women, Madurai
16.	Proceedings in the National Conference on "Bioresources: Conservation, Utilization and Future Prospects,	Selection Of Superior C.Equisetifolia Clones Using Marker And The Performance Ofprovenencial (Thiruchendur) Trial	2017	-	-	55	-	Gri-Du, Dindigul

		In Madurai						
17	Proceedings in International Conference on Precision Nutrition and Health: Foresight Future of Disease Prediction and Prevention	The Excitotoxic Effect of Monosodium Glutamate on Zebra Fish (Danio Rerio).	Dec. 11., 2022		Spl .Issue			Fatima College, Madurai
18	Proceedings in the International conference on "Recent Trends in Vaccines and Biomaterials for Animal Health (Rtvbah-2024)"	Assessment of Acute Toxicity of Food Additive- Sodium Metabisulphite in Danio Rerio (Zebrafish)	Feb. 1& 2, 2024	Nil	NIL	13	*ISBN:978-93-94638-66-2*	Department of Animal Health and Management Alagappa University Science Campus, Karaikudi-630003
19	Proceedings in the National Seminar on Recent Innovation and Sustainable Development in Biological Sciences	Impacts of Sodium Metabisulphite on Morphology, Behaviour and Histopathology of Zebra Fish	May 14& 15, 2024	Nil	NIL	36	*ISBN: 978-81-948760-7-6*	Teresian Publications, Siddarthanagara, Mysore – 570011
20	Conference Proceedings –6th International Conference on Genome Biology-I Cgb-6	Behavioural Pattern and Haematological Alterations in Zebrafish Treated with A Selected Food Additive	Feb 28 &Nmar. 1, 2025	Nil	NIL	71 &72	--	MKU press

15. Books Published

S. No.	Book Name	Year	Publisher	ISBN
1.	Fundamentals of Zoology: From Cells to Ecosystems	Dec.2024	Scientific International Publishing House	978-93-6674-676-0

16. Edited Books

S. No.	Book Name	Year	Publisher	ISBN
1.	Solutions to Ecological Challenges: Multidimensional Perspective		Reflection	978-81-926370-2-0

17. Major Assignments (Chief Guest / Keynote / Judge etc.)

S. No.	Major Assignment	Institution	Theme/Title	Date
1.	Resource Person	IQAC- Fatima College, Madurai	Innovative Teaching Methodologies Through E-Content Development	Aug. 21,2007
2.	External Expert to Prereview E material	Fatima College, Madurai	E-Content Development – Introduction to Biochemistry	May 10, 2013
3.	Resource Person for National Seminar	Sri Pushpa MAVVM College	Intellectual Property Rights in Biodiversity & Biotechnology	2016
4.	Co-Chaired the Poster Session in the National Conference	Gandhigram Rural Institute-Deemed University	National Conference on Bioresources: Conservation, Utlization and Future Prospects	Feb. 16 & 17, 2017
5.	Co-Chaired the Technical Session in the International Conference	Annai Fathima College of Arts &Science	International Conference on Climate Change and Sustainable Development with A Special Reference to Indian Context (Icccsd-2017)	Dec. 14 & 15, 2017
6.	Invited Speaker	E.M.G. Yadava College for Women	Healthy Life Through Healthy Diet	Feb. 06, 2018
7.	Invited Speaker	V.V. Vanniaperumal College for Women, Virudhunagar	Nutrition for Health and Wellness	July 31, 2018
8.	Invited Speaker	V.V. Vanniaperumal College for Women, Virudhunagar	Ameliorating the Adolescent Anemia Through Healthy Diet	Mar. 04, 2019
9.	Guest Speaker	Weat - DMLT Alumnae Meet, Fatima College, Madurai	Career Opportunities in Medical Laboratory Technology	Aug. 22, 2019
10.	Chief Guest	Shri Vitthal Rukhmini Arts, Commerce & Science College, Yavatmal	Inauguration of National Science Competition on National Science Day on Blue Biotechnology-A Boon for Mankind	Feb. 28, 2022
11.	Chief Guest	J.K.K Nataraja College of Arts and Science, Komarapalayam	Inauguration of Biology Association on Exploring Career Opportunities for Life Science Graduates-A Way Ahead	Mar. 18, 2022
12.	Resource Person	S. Vellachamy Nadar College, Madurai	Food: A Mindful Medicine	Mar. 22, 2022
13.	External Subject Expert	School of Biological Sciences, Madurai Kamaraj University, Madurai	Conducted Ph. D Interview	Dec. 21, 2023
14.	Member of the Internal Jury	Fatima College	Exploria 2024	Feb. 19, 2023
15.	External Member of Research Advisory Committee	American College	Conducted A Rac Meeting	Dec. 03, 2024
16.	Appointment of Examiners-	Tamil Nadu Public Service Commission-Chennai	Confidential Work	June 03 - 05, 2025

18. Projects Undertaken

S. No.	Title of Project	Position	Sponsored By	Date & Year	Sanctioned Amount
1.	Development of A Multifunctional Microbial Strain for Control of Water-Borne Mosquito Larvae and Removal of Heavy Metals from Waste Water	Principal Investigator	UGC-Minor Project	2010 - 2012	1,20,000
2.	Anemia Project (Consultancy)	Principal Investigator	Seed Grant-Fatima College-	2015 - 2018	10000
3.	Toxicological Studies in Fresh Water Fishes	Principal Investigator	RAC Funded Project	2020 - 2021	25,000

19. Foreign Countries Visited on Academic Assignments/Training/Invited Programme

- Malaysia – Paper Presentation in the International Conference from May 05 To 08, 2017.

Any other

Consultancy

S. No.	Theme	Suggested To	Date
1.	PCR Related Techniques	Bio Geno Laboratories, Madurai	2008 Onward
2.	PCR Related Techniques, Genetic Diversity	Ph.D. Candidtate, Ms. Uma, Thiagarajar College of Arts and Science, Madurai	2011
3.	Project Title in Biology	Government School Teachers, Madurai, Organized by Tamil Nadu Science Forum	2008
4.	Documentary Film Production (Tree Walk) - National Level Competition	The Department of English in Collaboration with Dhan Foundation	Aug. 15, 2013
5.	Guide Teacher	4th Youth Science Festival - 2015 Organized by Tamil Nadu Science Forum-TNSF Hosted by B.S. Abdur Rahman University, Held at Chennai	2015
6.	Subject Expert for the Recruitment of Research Associates and SRF	CRME-ICMR, Madurai	Sep. 10, 2016
7.	Guide Teacher	Exploria'17 - Intercollegiate Research Fest	Mar. 14, 2017
8.	Subject Expert for the Revision of Tamil Nadu School Education Curriculum	State Council of Educational Research and Training (SCERT), Chennai and Delivered on Innovative Strategies to Enhance Learning in Biology at Higher Secondary Level	July 21, 2017
9.	Member of Interview Panel for the Recruitment of Biology Teachers	Queen Mira International School, Madurai	Mar. 7, 2020

MEMBERSHIP IN PROFESSIONAL BODIES

- Life Member in Bioinformatics - India
- The International Society of Zoological Sciences (ISZS), Membership No: 835-I
- European Biotechnology Network
- The Institute of Integrative Omics and Applied Biotechnology (IIOAB)
- Yale Biotechnology and Pharmaceutical Society
- Asia-Pacific Chemical, Biological and Environmental Engineering Society, Membership No. 200540
- Member in Centre for Science & Environment - New Delhi
- Tamil Nadu science forum
- Einstein Research Academy-Era Membership No: ERAM0021291 Apr. 2021-Sep 2024