

CURRICULAM VITAE

1. **Name of the Teacher** : **Dr. Sr. S. IRUTHAYA KALAI SELVAM**
- Date of Birth** : **05.01.1979**
- Date of Appointment** : **18.06.2008**
18.06.2014 (Permanent)
- Employee ID No.** **JACZOA10**
2. **Designation** : **Assistant Professor of Zoology & Principal i/c**
3. **College were working now** : **Post Graduate and Research Centre of Zoology,
Jayaraj Annapackiam College for Women (Autonomous),
Periyakulam - 625 601, Theni District, Tamilnadu, South India**
4. **Telephone No. (Off.)** : **04546 - 231482**
5. **(Res.)** : **04546 - 231382**
6. **Mobile No.** : **8148818245**
7. **E-mail ID** : **kalai.akila@gmail.com**
srkalaizoo@annejac.ac.in
- [Dr. S. Iruthaya Kalai Selvam - Google Scholar](#)**
8. **Area of Specialization** : **Plant Pathology,
Microbial Biotechnology**



9. ACADEMIC QUALIFICATIONS

Sl. No	Degree	Year	Discipline	University / Institution	% of Marks
1.	Ph. D.	2013	Zoology	Madurai Kamaraj University, Madurai.	Awarded
2.	M.Phil.	2008	Zoology	Manonmaniam Sundaranar University, Tirunelveli.	75.54
3.	M.Sc.	2007	Zoology	Mother Teresa Women's University, Kodaikanal.	87.69
4.	B.Sc.	2000	Zoology	Manonmaniam Sundaranar University, Tirunelveli.	73.63 Gold Medallist
5	Diploma in PC Professional (PCP)	2003	Computer Education	CSC Computer Education	-

10. ACADEMIC SERVICE:

Total	:	18 Years (2008-2026)
Self-Financing (Govt. Sanctioned Post of Dr. Agatha)	:	2008-2014
Regular Appointment	:	2014-2026
Teaching and Research Experience	:	18 Years
Area of Specialization	:	Plant Pathology, Microbial Biotechnology

11. PUBLICATION OF THE PATENT IN OFFICIAL JOURNAL OF THE PATENT OFFICE : 10

Sl. No	Title	Journal Name & Issue No.	Ref. No. / Application No. / Date of Filing	App. Number	Publication Date
1	Guardian Drive: Real-Time Monitoring and Assistance for Safer Roads	Official Journal of The Patent Office	15.04.2025	202541036377	02/05/2025
2	Nanotechnology-Driven Enhancement of Plants Défense Compounds to Address Abiotic and Biotic Stresses, With Emphasis on Parasitic Nematode Stress	Official Journal of The Patent Office	15.04.2025	202541036376	02/05/2025
3	Cost-Effective Water Can for Removing Microplastics and Hardness	Official Journal of The Patent Office	15.04.2025	202541036366	02/05/2025
4	Eco-Friendly Steam Toilet Cleaner	Official Journal of the Patent Office	15.04.2025	202541036367	02/05/2025
5	A Kind of Mushroom Fortified Cake Preparation Method Thereof	Official Journal of the Patent Office 05/2022	21/01/2022 TEMP/E1/40 97/2022-CHE	202241003519A	04/02/2022
6	A Nutritional Rich Mushroom Chocolate	Official Journal of the Patent Office 09/2022	26/02/2022 TEMP/E- 1/ 11974/2022- CHE	202241010371	04/03/2022
7	A Nutritional Rich Spirulina Jelly	Official Journal of The Patent Office 19/2022	29/04/2022 TEMP/E-1/ 27134/2022- CHE	202241025287A	13/05/2022

8	A Method of Preparation of An Edible Product Mushroom Marshmellow	The Patent Office Journal No. 28/2022 Dated 15/07/2022	07/07/2022	202241039161A	15/07/2022
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12. ORIENTATION / REFRESHER COURSES ATTENDED

12a. ORIENTATION PROGRAMME : 1

1. UGC / MKU / sel. Or. 85th/86th OP, Orientation Programme in Madurai Kamaraj University, Madurai - 625021. 16/11/2018 - 13 /12/ 2018.

12b. REFRESHER COURSE : 3

1. Refresher Course in **Interdisciplinary Advances in Biological Sciences (Biotechnology, Biophysics, Bioinformatics, Physics, Chemistry, Biochemistry, Nanoscience, Botany, Microbiology, Zoology)** conducted by the UGC Malaviya Mission Teacher Training Centre, University of Calicut, Kerala from 15-10-2024 to 28-10-2024 University Grants Commission Malaviya Mission Teacher Training Centre University of Calicut and obtained Grade 'A+'.
2. UGC_HRDC, Bharathiyar University, Coimbatore (Synthetic Biology (ID) 02.02.2021 to 15.02. 2021
3. UGC_HRDC, Bharathiyar University, Coimbatore (Zoology) 05.09.2022 to 21.09.2022

13. SIGNIFICANT PROFESSIONAL CONTRIBUTION : 10

1. Received a Certificate of Recognition for Scholarly Research Work, along with a grant of ₹ 25,000/- from Jeevanadhi Charitable Trust (No. 001, Shreya Residency, Near Sal Orchid Apartment, Chelekere, Kalyan Nagar Post, Bangalore – 560 043), in support of further research and ongoing contributions to academic and societal progress.
2. **TNSCST - RFRS Funded Students / Scholars Project** entitled "Development of Green Synthesized Zinc Oxide Nano Nematicide Employing *Tagetes erecta* leaf extract an ecofriendly approach for controlling *Meloidogyne incognita* on *Solanum Lycopersicum*," with a grant

of Rs. 3,00,000/- for the period of 2023-2025.

3. **STIPEND for Research Scholars - (Fulltime) for the Research Work** entitled “Formulation of Silver Nano Wound Irrigation Solution for Diabetic Foot Ulcer using *Loquat* Extract and its Bio Activities in Wister Albino Rats” with the grant of Rs. 60,000/- for the period 2022-2023 and Rs. 60,000/- for the period 2023-2024.
4. **JACFRP Funded Students / Scholars Project** entitled “Budget Friendly AI and IOT Based Self-Regulating Cultivation Environment to increase the Yield of Milky and Oyster Mushroom” with a grant of Rs. 10,000/- for the period 2024-2025.
5. **JACFRP Funded Students / Scholars Project** entitled “Extraction and Characterization of Biopolymers from different Mushroom for Sustainable Paper Cup Production” with a grant of Rs. 10,000/- for the period 2024-2025.
6. **JACFRP Funded Students / Scholars Project** entitled “Development of Mosquito Repellent using Garlic Crude Extract” with a grant of Rs. 10,000/- for the period 2023-2024.
7. **TNSCST - Funded Students / Scholars Project** Formulation of Biosynthesized Silver Nanoparticles-based Creams using Banana Stem waste for Treating Wounds in Wistar Albino Rats” with a grant of Rs. 10,000/- for the period 2022-2023.
8. **JACFRP Funded Students / Scholars Project** entitled “Green Synthesis of Zinc Oxide Nanoparticles using *Tagetes Erecta* Root Extract Against *Meloidogyne incognita*” with a grant of Rs. 10,000/- for the period 2022-2023.
9. **JACFRP Funded Students / Scholars Project** entitled “Extracellular Biosynthesis of Silver Nanoparticles using Entamopathogenic Bacteria against *Meloidogyne Incognita*” with a grant of Rs. 10,000/- for the period 2021-2022.
10. **TNSCST - Funded Students / Scholars Project** entitled “Phytochemicals Screening and Antimicrobial Activities of selected Medicinal Plants of

Theni District in Tamilnadu” with a grant of Rs. 10,000/- for the period 2016-2017.

14. HANDS ON TRAINING - 1

1. UGC-NRCBS, XXXI Winter School on “**Microbial- Molecular Techniques and their Applications**” UGC- Networking Resource Centre in Biological Sciences, Madurai Kamaraj University, Madurai-625 021 from 26.12.2016 to 07.01.2017.

15. REVIEWER IN JOURNAL: 2

1. Received the "**Certificate of Excellence in Reviewing**" from the *Asian Food Science Journal* on 16.09.2024, in recognition of outstanding contribution to the quality of the journal
2. Received the "**Certificate of Reviewing the Research Papers in the International Conference on Innovative Research and Development (ICIRD - 2024)**" Held Between 26th to 28th February, 2024. Organized By Metharath University, Thailand, ESN Publications, India, Mother Teresa Women's University, Kodaikanal, Jayaraj Annapackiam College for Women, Thamaraikulam, Theni Dt., Christ College (Autonomous), Irinjalakuda

16. DETAILS OF Ph.D. SCHOLAR GUIDED - 6

Sl. No.	Name of the Student / Reg. No.	Title of the Project	Degree Awarded/ Thesis Submitted	Registration Year
1	L. Archana Devi PHDZOO17P517	Potassium Silicate Application: A Holistic Approach to Alleviate Abiotic and Biotic Stresses in Okra (<i>Abelmoschus esculentus</i>) Cultivation	Completed	2022
2	A. Vinothini PHDZOO21F004	Biosynthesis of Silver Nanoparticles using <i>Xenorhbdus</i> Against Insect Pest	Completed	2021

3	T. Manimegalai PHDZOO21FO48	Development of Zinc Nano Nematicide using <i>Tagetes Erecta</i>	Ongoing	2021
4	D. Kasthuri Santira Kumari PHDZOO22F002	Formulation of Silver Nano Wound Irrigation Solution for Diabetic Foot Ulcer using <i>Loquat</i> Extract and its Bio Activities in Wister Albino Rats	Ongoing	2022
5	A. Sofia Marjana Begam	Biomedical Application of Chitin based Biopolymer	Ongoing	2024
6	Nagapriya	Synthesis of nanonematicide from <i>Calocybe indica</i>	Ongoing	2025

DISSERTATION - 1

SL. NO.	TITLE	PLACE	DATE
1.	(M.Phil.) Oral feeding of probiotic bacteria (<i>Lactobacillus Rhamnosus</i>) on the survival, growth and immune responses of the freshwater prawn <i>Macrobrachium idae</i>	Dept. of Advanced Zoology and Biotechnology, St. Xavier's College (Autonomous), Palayamkottai.	March, 2008

17. ACADEMIC AND ADMINISTRATION ACTIVITIES (Position Held)

Position	Duration	Organization
Member	2022 - Till Date (03.07.2023,	Governing Body
Vice Principal	2022 - Till Date	
Principal	2025 - Onwards	
Compliance Officer of Study in India	14.12.2023 - Till Date	Study in India
Member	2022 - Till Date	Planning and

		Evaluation Committee
Member	2022 - Till Date	Examination and Awards Committee
Member	2022 - Till Date	Staff Council
Member	2022 - Till Date	Grievance Redressal Cell
Member	2022 - Till Date	Disciplinary Committee
Member	2022 - Till Date	Research Committee
Co-ordinator	2024 - till Date	IPR Cell
Member	2021 - Till Date	Anti-Drug Club
Convener, Internship Activity Coordinator	2019 - Till Date	Institution Innovation Council (IIC)
Member	2022 - Till Date	Anti – Ragging Cell
Co-Ordinator of academic collaboration	2022 - Till Date	Xavier Bord Higher Education, India and International Collaboration
Member	2022 - Till Date (21.01.2025,	Academic Counsel
Hostel Director	2021 - 2022	St. Anne's Hostel
Coordinator	2012 - 2022	Avian Club
Coordinator	2014 -2015	JAC Community College
Member	2013 - 2016	Campus Ministry
Member	2011 - 2013	JACEP
Member	2016 - 2020	Fine Arts
Member	2015 - 2016	OSA
Member	2013 - 2018	Entrepreneur Cell
Association in-	2015 - 2018	Zoology Association

charge		
Assistant Director	2010 - 2019	St. Anne's Hostel
Coordinator (Zoology Dept.)	2018 - 2022	Startup Programme of Mushroom Cultivation
Coordinator	2020 - 2022	AIACHE, Xavier Board & Campus Ministry
Member	2020 - 2022	Consultancy Cell

18. POSITIONS HELD IN OUTSIDE

POSITION		YEAR
Member of 19th General Body Meeting of Member Institutions of AIACHE	:	27 to 29th December, 2021
Member of General Body Meeting of Jayaraj Annapackiam College for Women (Autonomous), Periyakulam	:	15th July, 2023
Member of General Body Meeting (Sports) of Mother Teresa Women's University, Kodaikanal	:	5th August, 2025

19. AWARD / PRIZE / CERTIFICATE etc. – 16

S. No.	Name of Award	Awarding Agency	Year
1	"Vairamani Chemmal Virudhu – 2026	Pasumai Vaasal Foundation, Chinnalapatti, Dindigul Dt.	08th March, 2026
2	fy;tp thifr; RIH tpUJ (07.09.2025)	gRik thry; gTz;NI\> rpd;dhsgl;b> jpz;Lf;fy; khtl;lk;	2025
3	1 hour 1500 students Herbal Plant Cultivation simultaneously World Record	All India Book of Records & All India World Records Virtual University, Pondicherry	18th October, 2025
4	Inspiring Women Leadership Award - Best	Genesin of Educational Impressions, an	2025

	Women Faculty Award	internationally accredited ISO 9001:2015 certified company based in Roorkee District, Haridwar, Uttarakhand, India	
	5 Certificate of Recognition for Scholarly Research Work	Anadhi Jeevanadhi Charitable Trust No: 001, Shreya Residency, Near Sal Orchid Apartment, Chelekare, Kalyan Nagar Post, Bangalore, Pin: 560 043	2024
	6 Excellence in Research Award (Indo – Thai International Excellence Award)	Metharath University, Thailand	2024
	7 Award recognizes certificate for the recognition of exceptional dedication to fostering knowledge, nurturing minds, and promoting academic excellence Date of Issue: May 30, 2024	Shinawatra University, Thailand	2024
	8 Senior Innovator Award	G. Venkataswamy Naidu College Autonomous), Kovilpatti - 628 502. sponsored by Tamilnadu State Council for Science and Technology (Govt. Of Tamil Nadu), National Council for Science and Technology (Govt. of India, New Delhi) Microbiologists Society, India (Maharashtra, India) Tamilnadu Science	2023

		Forum (Madurai – Branch) Sponsored and Supported Sci-Tech Award (In Connection with National Science Day - 2023)	
9	Women of Excellence Award 2023	Indian World Records (IWR), Chennai (Reg. No. 165 TN, No 5663413 GOVT of India)	2023
10	Research Excellence Award 2023 in Plant Pathology / Zoology	Research Excellence Award 2023 in Plant Pathology / Zoology by Prosper Foundation & Agri Amigos Private Limited – Academic Excellence Awards 2023, Madurai, Tamil Nadu, India.	18 th February 2023
11	International Human Welfare Award 2023 as an Achiever in the field of Social Works	Unice Council Underprivileged Nikethan Intercommunity Children Education Council. Registration Number R/M/B:4/10/142/22 Hosur, South India unicecouncil@gmail.com	17 th Jan, 2023
12	V.O.C. Potrum Manithar	V.O.C Ilakkiya Vaanam at Ottapidaram on 4.09.2022	2022
13	Best Teacher Award by	Indian World Records, Chennai (Reg. No. 165 TN, 4403292 GOVT of India)	2021
14	Golden Star Award	Women Consumer Protection Association, Madurai. (Reg. No 35/99)	2021
15	Maha Vidya Mathangi Award	Indira Sundaram Charitable Trust, Tirupur (Reg. No 22/2020)	2020
16	Secured First Prize on Poster Presentation on	Karpagam Academy of Higher Education, Tamil	14 th February

	"Bioaction of the peels of <i>Carica papaya</i> l. with silver nanoparticle" in the National Symposium on Advances in Cancer Research (NSACR-2018)	Nadu	2018
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20. EDITED BOOK - 2

Year	Title	Publication	ISBN
2024	Today's Multidisciplinary Research Perspectives Volume -1	Authors Click Publishing Area no.55, Ashok Vihar, Phase 2, Bilaspur, Chhattisgarh – 495 001, www.authorsclick.com	ISBN: 978-81-19368-81-5
2024	Proceedings of International Conference on Innovative Research and Development (ICIRD - 2024)	ESN Publications, 3/151-A, Muthuramalingapuram, Kalloorani Post, Aruppukottai Taluk, Virudhunagar District, Tamilnadu, India, Pincode - 626 105 Ph: +91-8838173189	ISBN: 978-93-90188-66-6

21. BOOKS AND MANUAL PUBLISHED: 7

Sl. No.	Year	Title	Publication	ISBN
1	2024	Bio Entrepreneurship	Authors Click Publishing Area No.55, Ashok Vihar, Phase 2, Bilaspur, Chhattisgarh – 495 001. www.authorsclick.com	ISBN: 978-93-6665-715-8
2	2024	Fermented and Food and Beverages	Alpha International Publication	ISBN: 978-93-48151-40-7
3	2024	Fundamentals	ESN Publications,	ISBN:

		of Zoology	3/151-A, Muthuramalingapuram, Kalloorani Post, Aruppukottai Taluk, Virudhunagar District, Tamilnadu, India,	978-93-90188-88-8
4	2024	Spirulina Entrepreneur- ship	ESN Publications 3/151-A, Muthuramalingapuram, Kalloorani Post, Aruppukottai Taluk, Virudhunagar District, Tamilnadu, India,	ISBN: 978-93-90188-71-0
5	2022	Handbook on “Mushroompre- neurship”	New Century Book House (P) Ltd	978/81/2344-238-9
6	2019	Feathered Friends in Theni	Golden Net Computers, 13-16, Prem Towers I Floor, Old Karur Road Melachinthamani, Trichy.	978-81-923121-8-7
7	2017	<i>A Lab Manual based on National Workshop on Microbial tool and Bioremediation (NWMB-2017)</i>	PG & Research Centre of Zoology, Periyakulam	978-81-931923-8-2

22. Course Material Prepared: 1

Book Title	Year	Beneficiaries
Apiculture	2009 – 2010	III B.Sc. Zoology Students

23. BOOK CHAPTER PUBLISHED: 33

S. No.	Name of the Staff member	Title of the Chapter / Paper	Title of the Book	Name of the Publisher (Organizer of the Seminar or Symposia)	ISBN, month, year
1	D. Kasthuri Santira Kumari, Research Scholar in Zoology Dr. S. Iruthaya Kalai Selvam Assistant Professor in Zoology Dr. S. Catherine P. Alexander, Associate Professor of Zoology	Chapter 15 – The Advancement of Crispr Technology in Life Sciences in the Areas of Precision Medicine and Agriculture	“Advancement in Life Science: Exploring Recent Trend.”	Euphoria Publishers	ISBN 978-81-970537-4-0 May 2024 National
2	D. Kasthuri Santira Kumari, Research Scholar in Zoology Dr. S. Iruthaya Kalai Selvam Assistant Professor in Zoology C. Sagaya Rani, Associate Professor of Zoology	Chapter 7 – Nanomedicine Revolution: Enhancing Health Care with Nanotechnology in Wound Healing	“Advancement in Life Science: Exploring Recent Trend.”	Euphoria Publishers	ISBN- 978-81-970537-4-0 May 2024 National
3	D. Kasthuri Santira Kumari, Research Scholar in Zoology Dr. S. Iruthaya Kalai Selvam Assistant Professor in Zoology Dr. M.R. Delphine Rose Associate Professor of Zoology Dr. V. Jemima Florence Borgia, Associate Professor of Zoology	Chapter 7 – Adapting Life: Exploring the Impact of Climate Change on Terrestrial and Aquatic Biodiversity	“Dynamic Trends in Multi-Domain Integration”	String Production	ISBN- 978-93-6048-526-9 May 2024 National

4	Dr. S. Iruthaya Kalai Selvam Assistant Professor in Zoology Kasthuri Santira Kumari, Research Scholar in Zoology	Chapter 15 – Approachable Ways to Modern Trends in Interdisciplinary Research	“Modern Trends in Multi-Disciplinary Research (Vol-1)”	String Production	ISBN- 978-93-6048-157-5 May 2024 National
5	Dr. S. Iruthaya Kalai Selvam Assistant Professor in Zoology D. Kasthuri Santira Kumari, Research Scholar in Zoology Dr. A. Irudaya Lourdu Gladis, Assistant Professor in Botany	Chapter 11 – The Impact of Climate Change on Plant Biodiversity.	“Dynamic Trends in Multi-Domain Integration”	String Production	ISBN- 978-93-6048-526-9 May 2024 National
6	D. Kasthuri Santira Kumari, Research Scholar in Zoology Dr. S. Iruthaya Kalai Selvam Assistant Professor in Zoology	Chapter 1 – An Introduction to Economic Zoology.	“Today’s Multidisciplinary Research - Volume 3	Prime International Publication	978-93-6010-068-1 July 2024 International
7	D. Kathuri Santira Kumari, Research Scholar in Zoology Dr. S. Iruthaya Kalai Selvam Assistant Professor in Zoology	Chapter 1 – “Trajectories in Life Sciences	“Today’s Multidisciplinary Research Perspectives” – Volume II	Authors click Publishing	978-81-19368-56-3 July 2024 International
8	D. Kathuri Santira Kumari, Research Scholar in Zoology, Dr. Sr. S. Iruthaya Kalai Selvam , Assistant Professor in Zoology Dr. Sr. A. Irudaya Lourdu Gladis, Assistant Professor in Botany	Chapter 13 – A Symphony of Life – Understanding the Biological World”	“Today’s Multidisciplinary Research Perspectives – Volume I	Authors Click publishing	978-81-19368-81-5 July 2024 International

9	D. Kasthuri Santira Kumari, Research Scholar in Zoology, Dr. Sr. S. Iruthaya Kalai Selvam , Assistant Professor in Zoology	Chapter 11 - The Omics That Play a Vital Role in Human Beings	Today's Multidisciplinary Research Perspectives " – Volume II	Authors click Publishing	978-81-19368-56-3 July 2024 International
10	Dr. Sr. S. Iruthaya Kalai Selvam , Assistant Professor in Zoology, D. Kasthuri Santira Kumari, Research Scholar in Zoology, T. Manimegalai, Research Scholar in Zoology	Chapter 6: Bio- fabrication of Silver Nanoparticles from Citrus Peel Extract: Characterization, Larvicidal Activity, and Applications in Aedes aegypti Mosquito Control	Today's Multidisciplinary Research Perspectives " – Volume II	Authors click Publishing	978-81-19368-56-3 July,2024 International
11	Dr. Sr. S. Iruthaya Kalai Selvam , Assistant Professor in Zoology, L. Archana Devi , Research Scholar in Zoology A. Vinothini Research Scholar in Zoology	Chapter 7: Real-World Strategies for Sustainable Water Management	Today's Multidisciplinary Research Perspectives " – Volume II	Authors click Publishing	978-81-19368-56-3 July 2024 International
12	D. Kasthuri Santira Kumari, Research Scholar in Zoology Dr. S. Iruthaya Kalai Selvam L. Archana Devi, Research Scholar in Zoology T. Manimegalai Research Scholar in Zoology	Chapter 8: The Role of Endophytes in Enhancing Plant Growth and Stress Tolerance	Today's Multidisciplinary Research Perspectives " – Volume II	Authors click Publishing	978-81-19368-56-3 July 2024 International

13	Dr. S. Iruthaya Kalai Selvam Assistant Professor in Zoology, Kasthuri Santira Kumari Research Scholar in Zoology T. Manimegalai Research Scholar in Zoology L. Archana Devi Research Scholar in Zoology	Chapter 12 Role Of Pheromones In Animal Behavior	Today's Multidisciplinary Research Perspectives " – Volume II	Authors click Publishing	978-81-19368-56-3 July 2024 International
14	Dr. S. Iruthaya Kalai Selvam Assistant Professor in Zoology, Kasthuri Santira Kumari Research Scholar in Zoology	Genetic Engineering Strategies to Enhance Phytochemical Production in Plants for Medicinal Applications	Today's Multidisciplinary Research Perspectives Volume-5	Authors click Publishing	ISBN: 978-93-6665-861-2 International
15	T. Manimegalai Research Scholar in Zoology Dr. S. Iruthaya Kalai Selvam Assistant Professor in Zoology D. Kathuri Santira Kumari, Research Scholar in Zoology	Chapter 18 Diverse Dynamics: Economic, Agricultural, and Morphological perspectives on Root -Knot Nematode (Meloidogyne	"Today's Multidisciplinary Research Perspectives - Volume 4	Thanuj International Publication	978-93-94638-990 September 2024 International
16	L. Archana Devi K.S. Bremkumar Chelladurai S. Iruthaya Kalai Selvam and A. Antony Selvi	Pharmacological Properties of Horse Mint (Mentha longifolia): An Overview	Dynamic Trends in Multi-Domain Integration Volume -2	Authors Click Publishing	ISBN: 978-81-19368-31-0 2024
17	D. Kasthuri Santira Kumari, Research Scholar in Zoology Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology	Chapter 4 (Synthetic Biology: Engineering Life for the 21 st Century)	Today's Multidisciplinary Research Perspectives -Volume 4".	Thanuj International Publishers, Tamilnadu.	978-93-94638-990

18	Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology D. Kasthuri Santira Kumari & T. Manimegalai, Research Scholar in Zoology	Chapter 12 (Genomics of Animal Evolution: Using Bioinformatics to study the Genetic Basis of Evolutionary Adaptations in various Animal species)	Today's Multidiscipli nary Research Perspectives -Volume 4".	Thanuj Internation al Publishers, Tamilnadu.	978-93- 94638-990
19	D. Kasthuri Santira Kumari, Research Scholar in Zoology Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology	Chapter 13 (Silver Nanoparticles in Breast Cancer Research and Treatment.)	Today's Multidiscipli nary Research Perspectives - Volume 4".	Thanuj Internation al Publishers, Tamilnadu.	978-93- 94638-990
20	D. Kasthuri Santira Kumari, Research Scholar in Zoology Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology	Chapter 14 (Silver Nanoparticles and their potential Bioactivities.)	Today's Multidiscipli nary Research Perspectives -Volume 4".	Thanuj Internation al Publishers, Tamilnadu.	978-93- 94638-990
21	Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology D. Kasthuri Santira Kumari & T. Manimegalai, Research Scholar in Zoology	Chapter 15 (The Role of Artificial Intelligence in Foreboding Modeling of Ecosystem Dynamics)	Today's Multidiscipli nary Research Perspectives -Volume 4".	Thanuj Internation al Publishers, Tamilnadu.	978-93- 94638-990
22	D. Kasthuri Santira Kumari, Research Scholar in Zoology Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology	Chapter 1 (Astrozology: Exploring Animal Biology beyond Earth)	Dynamic Trends in Multi- Domain Integration	Authors click Publishing, Tamilnadu.	978-81- 19368-31-0

23	D. Kasthuri Santira Kumari, Research Scholar in Zoology Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology	Chapter 4 (Signalling Pathways in Plant Immunity and Human Health)	Dynamic Trends in Multi-Domain Integration	Authors click Publishing, Tamilnadu.	978-81-19368-31-0
24	L. Archana Devi Research Scholar in Zoology Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology	Chapter 10 (Pharmacological properties of Horse Mint (<i>Mentha longifolia</i>))	Dynamic Trends in Multi-Domain Integration	Authors click Publishing, Tamilnadu.	978-81-19368-31-0
25	Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology D. Kasthuri Santira Kumari & T. Manimegalai, Research Scholar in Zoology	Chapter 12 (Early - Onset Diabetes: Decoding the Spectrum, Gender Variations, and Root causes)	Dynamic Trends in Multi-Domain Integration	Authors click Publishing, Tamilnadu.	978-81-19368-31-0
26	T. Manimegalai, Research Scholar in Zoology Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology	Chapter 13 (Exploring Biodiversity: Analysing monkey population Variations in the Kodaikanal Hills)	Dynamic Trends in Multi-Domain Integration	Authors click Publishing, Tamilnadu.	978-81-19368-31-0
27	Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology D. Kasthuri Santira Kumari, Research Scholar in Zoology A. Vinothini, Research Scholar in Zoology T. Manimegalai, Research Scholar in Zoology L. Archana Devi, Research	The role of artificial intelligence in enhancing healthcare outcomes	Today's Multidisciplinary Research Perspectives	Authors click publishing	978-81-19368-81-5

28	Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology D. Kasthuri Santira Kumari, Research Scholar in Zoology A. Vinothini, Research Scholar in Zoology T. Manimegalai, Research Scholar in Zoology L. Archana Devi, Research Scholar in Zoology	Published a book chapter Green Silver Nanoparticle using <i>Alium cepa</i> Peel Extract and Antimicrobial Activity against Selected Human Pathogens	Innovative Research and Development Volume III	ESN Publication s 3/151-A Muthuralin gapuram, Viruthunagar, India	ISBN 978-93-90188-38-3
29	Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology D. Kasthuri Santira Kumari, Research Scholar in Zoology.	Diabetes Mellitus- An Overview with Symptoms, Diagnosis and Treatment	Research Insights of Life Science Students (Volume - 4)	JPS Scientific Publications, India.	ISBN Number: 978-93-91342-27-2
30	Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor in Zoology T. Manimegalai, Research Scholar in Zoology L. Archana Devi, Research Scholar in Zoology	Review on Medicinal plants potential against Covid-19., Tamil Nadu, India	Recent Research in Medicinal plants – S.M. Prasad	Krishna Publication House No 303, Yashkunji Devbaug Anantwadi, Bhavnagar, Gujarat 364002	ISBN 978-93-90627-63-9
31	L. Archana Devi, Dr. Sr. S. Iruthaya Kalai Selvam Assistant Professor in Zoology Dr. G. Chelladurai, Dr. M. Arun & K.S. Bremkumar	Chapter - 5 Water Resources for Sustainable Mariculture	Advances in Multidisciplinary and Current Research Volume - 15	Published By: Weser Books Weser Books, No. 79737 Äussere Weberstr. 57 02763 Zittau, Germany	ISBN: 978-3-96492-488-9 2023

32	Biodiversity and Conservation	Diversity of Butterflies in Gandhigram Rural Institute-Deemed University, Gandhigram and Sirumalai hill stations, Tamil Nadu, India	Biodiversity and Conservation	Elite Publishing House New Delhi - 110002 (INDIA)	ISBN: 978-81-955567-0-0
33	Biodiversity and Conservation	Diversity of Avifauna in Gandhigram Rural Institute- Deemed University, Gandhigram and Sirumalai hill stations, Tamil Nadu, India	Biodiversity and Conservation	Elite Publishing House New Delhi - 110002 (INDIA)	ISBN: 978-81-955567-0-0

24. GEN BANK SUBMISSION: 6

S1 . N o.	Accession No.	Name of the species	Sequence ID	Released Date and Link
1	OM403107 Vinothini A, Iruthaya Kalai Selvam S*	<u>Heterorhabditis indica isolate - large subunit ribosomal RNA gene, partial sequence</u>	1121_404_023_P CR_VINO_N_D2 A_C11.ab1	Jan 31, 2022 Search: OM403107 - NLM (nih.gov)
2	ON929969 Vinothini A, Iruthaya Kalai Selvam. S*	Photorhabdus luminescens strain CH-23 16S ribosomal RNA gene, partial - Nucleotide	0921_430_007_P CR_Na_Med_27 F_C01.ab1	July 12, 2022 Photorhabdus luminescens strain CH-23 16S ribosomal RNA gene, partial - Nucleotide - NCBI (nih.gov)
3.	OR544271 Manimegalai T, Iruthaya Kalai Selvam S*	Meloidogyne incognita isolate Female Eukaryotic Nuclear 28S gene rRNA/ITS	>NEMATODE_A B28_4-37_P03, Raw Sequence	Sep 18, 2023 gb-admin@ncbi.nlm.nih.gov

4.	OR512327 Vinothini. A, Iruthya Kalai Selvam. S. Sagaya Rani C. Archana Devi. L. Manimegalai. T. Kasthuri Santira Kumari Brem Kumar. K	Stenotrophomonas maltophilia		09-SEP-2023 https://www.ncbi.nlm.nih.gov/nucleotide/512347
5.	OR512327 Vinothini. A, Iruthya Kalai Selvam. S, Sagaya Rani. C, Manimegalai. T, Kasthuri Santira Kumari D, Archana Devi L. Sampooranam W &Brem Kumar. K	Stenotrophomonas pavani		09-SEP-2023 https://www.ncbi.nlm.nih.gov/nucleotide/512327
6.	OR512348 Vinothini. A, Iruthaya Kalai Selvam S, Sagaya Rani C, Kasthuri Santira Kumari D, Sampooranam W Archana Devi L, Brem Kumar K & Manimegalai T	Enterobacter hormaechei		09-SEP-2023 https://www.ncbi.nlm.nih.gov/nucleotide/512348

25. RESEARCH ARTICLES PUBLICATIONS (JOURNAL) : 41

1. Lakshmanan Archana Devi, Krishnagowdu Saravanan, Deepali Desai, Muthukrishnan Arun, Natchiappan Senthilkumar, Srinivasan Bremkumar, Thangavel Manimegalai, Davidraj Kasthuri Santira Kumari, **Iruthaya Kalai Selvam : Exogenous Supplementation of Potassium Silicate (K₂SiO₃) Enhances Growth and Productivity of Okra (Abelmoschus Esculentus)** Journal of Soil Science and Plant Nutrition (Nov. 2025) 10.1007/s42729-025-02745-w.

2. L. Archana Devi, Karuppiyah Nagaraj, **Iruthaya Kalai Selvam**, Bhuwanesh Kumar Sharma, M. Arun, N. Senthilkumar, K. Saravanan, K. Raja, K.S. Bremkumar and T. Manimegalai : **Challenges and Solutions in Biomedical Waste Management During the COVID-19 Pandemic: A Critical Review of Regulatory, Environmental, and Health Impacts** Coronaviruses XXXX, XX, 00-00 (Jan., 2025) DOI: 10,2174 / 012666-7975372027250324044619

3. Vinothini Arumugam, Aashaq Hussain Bhat, **Iruthaya Savarirayan**, and Farid S. Ataya **Efficacy of *Photorhabdus luminescens* Supernatant in Controlling *Meloidogyne incognita*: A Potential Biocontrol Strategy for Root-Knot Nematodes (2024)** PLANT PHYSIOLOGY, ISSN 1062-3590, Biology Bulletin, 2024, Vol. 51, Suppl. 1, pp. S145–S155. © Pleiades Publishing

4. Vinothini Arumugam · Aashaq Hussain Bhat **Iruthaya Kalai Selvam. Savarirayan· Farid S. Ataya Dalia Fouad Root-knot Nematode Suppression through Biogenic Silver Nanoparticles: a Promising Path for Sustainable Agriculture** J Nanopart Res (2024) 26:249 <https://doi.org/10.1007/s11051-024-06160-7>

5. Lakshmanan Archana Devi, **Iruthaya Kalai Selvam**, A. Karuppiyah Nagaraj, B. Muthukrishnan Arun, Natchiappan Senthilkumar, Krishnagowdu Saravanan, Prasenjit Maity, Renuka Venkatachalapathy, Srinivasan Bremkumar', Thangavel Manimegalai : **Potassium Silicate Applications in okra (*Abelmoschus Esculentus* (L.) Monech) Cultivation: A Comprehensive Review on Mitigating Abiotic and Biotic Stresses** Physiological and Molecular Plant Pathology 134 (2024) 102437 ELSEVIER journal homepage: www.elsevier.com/locate/pmpp Contents lists available at ScienceDirect

6. M. Karthickl, B. Samuel, **Iruthaya Kalai Selvam**, C. Sagaya Rani and R. Azhagu Rajl (2024) **Ultrastructure and Morphometric Characteristics of *Oecophylla Smaragdina* (Fabricius, 1775) (Hymenoptera: Formicidae)** Journal of Biological Control, ISSN Online 2230 -7281, 38(1): 73-81, 2024

DOI:10.18311/jbc/2024/35481

<https://informaticsjournals.com/index.php/jbc/article/view/35481/29612>

7. T. Manimegalai, **S. Iruthaya Kalai Selvam**, L. Archana Devi, A. Vinothini (2024). **Green Synthesized Zinc Oxide Nanoparticles from *Tagetes erecta* Aqueous Root Extract Against *M. incognita* Cellular**. Archives. Vol. 24, No. 1, pp. 149-155, 2024, ISSN 0972-5075 eISSN 0976-1772
8. D. Kasthuri Santira Kumari and **S. Iruthaya Kalai Selvam (2024) Unveiling the Bio Prospecting Potential of Green Synthesised Silver Nano Particles using Loquat Leaf Extract for Antimicrobial and Anticancer Activities**, Indian Journal of Natural Sciences, 14(82): 68614-68624 ISSN : 0976-0997
9. P. Pushpa, **S. Iruthaya Kalai Selvam (2023) Avifaunal Diversity in JAC Campus in Periyakulam, Theni District, Tamilnadu**. Indian Journal of Natural Sciences. 14(80): 60848- 60852.) p ISSN: 0976-0997
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11. D. Kasthuri Santira Kumari, **S. Iruthaya Kalai Selvam (2023) Phyto Constituents Screening of Loquat Leaf Extract Using Different Solvents and Antioxidant Potential Assessment (2023)** An International Journal of Agricultural and Biological Research ISSN- 0970-1907. AGBIR. 39 (4):578-580
12. L. Archana Devi, **S. Iruthaya Kalai Selvam**, T. Manimegalai, A. Vinothini, and D. Kasthuri Santira Kumari (2023) **Effect of Microbe-based Soil Drenched Liquid Bio Fertilizer (Ecoroot) on Growth and Yield of Eggplant (*Solanum Melongena* L.)**. Journal of Science and Humanities and Management (JACJOSHAM). ISSN: 2347-9868, Vol. 10, No.2, June 2023

13. T. Manimegalai, **S. Iruthaya Kalai Selvam** (2023) **Qualitative Phytochemical Analysis in *Tagetes erecta* (African Marigold) Extracted in Different Solvents.** An International Journal of Agricultural and Biological Research ISSN-0970-1907. AGBIR Vol.39 No3 March 2023.
14. C. Sagaya Rani, S. Priyanka Devi, **S. Iruthaya Kalai Selvam**, A. Anitha Mary, A. Vinothini (2023) **Prevalence of COVID-19 at Theni Medical College and Hospital in Kanavilakku, Theni District, Tamil Nadu, India** An International Journal of Agricultural and Biological Research ISSN-0970-1907. AGBIR Vol.39 No.4 Jul 2023
15. Karuppiah Nagaraj, Pilavadi Thangamuniyandi , Subramaniam Kamalesu , Snehal Lokhandwala , NikhilM. Parekh , Swapna RekhaPanda , Subramanian Sakthinathan , Te-Wei Chiu , Karuppiah Chelladurai , Ammasai Karthikeyan, **Iruthaya KalaiSelvam** (2023) **Metallo-Surfactant Assisted Silver Nanoparticles: A New Approach for the Colorimetric Detection of Amino Acids,** Spectrochimica Acta Part A:Molecular and Biomolecular Spectroscopy 296 (2023) 122693 1386-1425/© 2023 Elsevier [file:///C:/Users/ANNES/Downloads/1-s2.0-S1386142523003785-main%20\(1\).pdf](file:///C:/Users/ANNES/Downloads/1-s2.0-S1386142523003785-main%20(1).pdf)
16. Karuppiah Nagaraj, Jitendrabhai Naman, Manojkumar Dixitkumar, Jigeshkumar Priyanshi, Pilavad Thangamuniyandi, Subramaniam Kamalesu, Snehal Lokhandwala, Nikhil Parekh, Swapna RekhaPanda, Subramanian Sakthinathan , TeWei Chiu, Chelladurai Karuppiah, Ammasai Karthikeyan, **Iruthaya Kalai Selvam** (2023) **Green synthesis of Ag@ZnO nanocomposites using Cassia Alata Leaf Extract and Surfactant Complex for Photodegradation of Rhodamin6G,** Inorganic Chemistry Communications. [Volume 151](https://doi.org/10.1016/j.inoche.2023.110635), May 2023, 110635 Elsevier <https://doi.org/10.1016/j.inoche.2023.110635>
17. L. Archana Devi, **S. Iruthaya Kalai Selvam**, T. Nirmala (2023) **Foliar Application of Potassium Silicate and Glycine Betaine: Alleviating Water Deficit on Soil Properties, Vegetative Growth and Yield Attributes of *Abelmoschus Esculentus* L (Okra) and *Solanum Melongena* (Eggplant)** An International Journal on Agricultural and

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19. L. Archana Devi 1 and **Dr. Sr. S. Iruthaya Kalai Selvam** (2022) **Efficacy of Seed Priming Using Potassium Silicate on Okra's (*Abelmoschus Esculentus* Var. *Raadhika*) Germination Performance Biochemical and Cellular. Archives. Vol. 22, No. 2, pp. 4321-4325, 2022, ISSN 0972-5075 eISSN 0976-1772**
20. S. Muthuveerammal, *C. Sagaya Rani, P. Nagapriya, S. Iruthaya Kalai Selvam, A. Vinothini (2022) Study on REST Journal on **Emerging Trends in Modelling and Manufacturing** Vol: 8(1), REST Publisher; ISSN: 2455-4537
21. Anitha Mary A, Delphine Rose M. **Iruthaya Kalai Selvam. S**, Kasthuri Santira Kumari D & Kayalvizhi R. (2022) **Green Synthesis of Silver Nanoparticles Using Flower Extract of *Calotropis gigantea* and Evaluation of Its Antimicrobial Activity** <https://doi.org/10.37896/sr9.4/003> Strad Research, ISSN: 0039-2049, VOLUME 9, ISSUE 4, pp 16-21,
22. Vinothini .A , **Iruthaya Kalai Selvam. S**, Sagaya Rani. C and Prabhu. S 2022. **Challenges on In-vivo Culture and Recovery of Entomopathogenic Nematodes from *Galleria mellonella*** Indian Journal of Natural Sciences, ISSN: 0976 – 0997 Vol.12 / Issue 69
23. S. Muthuveerammal, *C. Sagaya Rani, P. Nagapriya, **S. Iruthaya Kalai Selvam**, A. Vinothini Study on Prevalence of Leprosy in Man at Theni, Tamil Nadu REST Journal on Emerging Trends in Modelling and Manufacturing **Vol: 8(1), 2022** REST Publisher; ISSN: 2455-4537
24. **Dr. S. Iruthaya Kalai Selvam**, Asha Banu 2021 **Social Factors Influencing Entrepreneurship A Study on with Special Reference to**

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26. **S. Iruthaya Kalai Selvam**, S. Marian Bara Joice sky, A. Amolorpava Dashli, A. Vinothini, K. Premkumar (2021) Assessment of Anti-Bacterial, **Anti Inflammation and Wound Healing Activity in Wistar Albino Rats Using Green Silver Nanoparticles Synthesized from Tagetes Erecta Leaves** (2021) Journal Of Applied and Natural Sciences ISSN:0974-9411 (Print) 2231-5209 (Online) 13(1):343-351
27. P. Nagapriya, C. Sagaya Rani*, S. Iruthaya Kalai Selvam, A. Vinothni, A. Anitha Mary Effect of different agro-waste on mass production of edible mushroom *Pleurotus ostreatus* Journal of Science, Humanities and Management Vol. 9, No.1, December 2021 ISSN: 2347-9868
28. A. Vinothini*, Arockiam Thaddeus, **S. Iruthaya Kalaiselvam**, C. Sagaya Rani, P. Nagapriya and A. Anitha Mary status of protein accumulation in the coelomic fluid of earthworm exposed to selected heavy metals Journal of Science, Humanities and Management Vol: 7 No: 2, June 2020 ISSN: 2347-9868
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30. Nisha M Nair, R. Kanthasamy, R. Mahesh, **S. Iruthaya Kalai Selvam** and S. Ramalakshmi. 2019. Production and characterization of antimicrobials from isolate *Pantoea agglomerans* of *Medicago sativa* plant rhizosphere soil.

- Journal of Applied and Natural Science* 11(2): 267- 272 ISSN: 0974-9411 (Print), 2231-5209 (Online). journals.ansfoundation.org
31. Jeya Prabha and **S. Iruthaya Kalaiselvam**. (2017). Impact of Biopesticide on pod borers *Helicoverpa armigera* and *Adura atkisoni* of *Lablab purpures* International Journal for Innovative Research in Multidisciplinary Field. 3 (3): (ISSN: 2455-0620).
 32. **S. Iruthaya Kalai Selvam**, R. Aruna Devaraj, C. Sagaya Rani. (2016). Antagonistic effect of *Tagetes erecta* on soil microbes and nematodes of banana. Journal on Research in Ecology. **4 (2)**: 400-409. (ISSN: 2319-1538).
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 38. Priya Joy, D. Patric Raja and **S. Iruthaya Kalai Selvam**. 2014. Genetic analysis of somoclonal variation among *Jasminum auriculatum* and its callus.

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39. Priya Joy, D. Patric Raja and **S. Iruthaya Kalai Selvam**. 2013. Callus induction in the leaf segments of *Jasminum angustifolium*. Botanical Report. 2(1): 3-5. (ISSN: 2319-8230). (ISSN: 2250-2033).
 40. Priya Joy, D. Patric Raja and **S. Iruthaya Kalai Selvam**. 2012. Effect of different plant hormones on the callus induction of *Jasminum sambac*. International Journal of Applied Bioresearch. 9: 8-11. (ISSN: 2250-2033).
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UNDER PROCESSING

Two Paper in Science Direct

Four Patent

26. DETAILS OF PAPERS PUBLISHED IN PROCEEDINGS - 28

1. Presented a Paper entitled Green Silver Nanoparticle Synthesis using Allium cepa Peel Extract and Antimicrobial Activity against Selected Human Pathogens in the International Conference on “Innovative Research and Development (ICIRD - 2024) held between 26th to 28th February, 2024”. Jointly organised by Metharath University, Thailand, ESN Publications, India, Mother Teresa Women's University, Kodaikanal Jayaraj Annapackiam College for Women, Periyakulam, Theni Dt., Christ College (Autonomous), Irinjalakuda
2. *Proceedings of International Conference on “Innovative Research and Development (ICIRD - 2024) Photorhabdus Mediated Synthesis of Silver Nanoparticles Against Meloidogyne Incognita”*. Organized by Shinawatra University, Thailand and ESN Publications, India from May 28th to 30th, 2024. ISBN: 978-93-90188-66-6

3. Isolation and identification of *Heterorhabditis indica* using *Galleria mellonella* baiting method published in the Proceedings of National Seminar on “Interdisciplinary Trends in Life Sciences” on 25th September, 2024 organised by PG and Research Center of Zoology, Jayaraj Annapackiam College for Women, Periyakulam.
4. Evaluation of the impact of Tagetes Erecta Flower Extract on Morphological Alterations and Lethal Effects in *Meloidogyne Incognita* published in the Proceedings of National Seminar on “Interdisciplinary Trends in life Sciences” on 25th September, 2024 organised by PG and Research Center of Zoology, Jayaraj Annapackiam College for Women, Periyakulam
5. A Comprehensive Analysis of Diabetic Patient’s Foot Ulcer Grade and The Microbial Communities published in the Proceedings of National Seminar on “Interdisciplinary Trends in Life Sciences” on 25th September, 2024 organised by PG and Research Center of Zoology, Jayaraj Annapackiam College for Women, Periyakulam
6. *Photorhabdus* Mediated Synthesis of Silver Nanoparticles Against *Meloidogyne Incognita*. published in the Proceedings of International Conference on “Innovative Research and Development (ICIRD-2024)”. Organized by Shinawatra University, Thailand and ESN Publications, India from May 28th to 30th, 2024. ISBN: 978-93-90188-47-5
7. Enhancing Morphological Growth and Yield of *Abelmoschus Esculentus*. L (Okra) with Potassium Silicate Foliar Application published in the Proceedings of International Conference on Microalgae: Biodiversity and Bioprospecting (ICMBB 2024) (20th & 21st February, 2024) ICMBB21 organised by Department of Botany, St. Mary's College (Autonomous), Thoothukudi.
8. Green Synthesis and Characterization of ZnO Nanoparticles from *Tagetes erecta* for *Meloidogyne incognita* Management Published in the Proceedings of National Conference on Frontiers in Life Science Research NCFLSR – 24 - 23rd January, 2024. PG & Research Department of Zoology, The American College, Madurai Tamilnadu, India ISBN: 978-93-80-36847-4

9. Arachnids in the Academia: Exploring Spider Populations on J.A. College Campus from during the Late Fall and Early Winter Months Published in the proceedings of National Conference on Frontiers in Life Science Research NCFLSR – 24 23rd January, 2024. PG & Research Department of Zoology, The American College, Madurai Tamilnadu, India ISBN: 978-93-80-36847-4
10. Study of Butterfly Biodiversity from November to January at J.A. College Campus, Theni District, Tamil Nadu, India Published in the proceedings of National Conference on Frontiers in Life Science Research NCFLSR – 24 23rd January, 2024 PG & Research Department of Zoology, The American College, Madurai Tamilnadu, India ISBN: 978-93-80-36847-4
11. Winged Guardians: Avian Diversity to Assess Ecosystem Health on Periyakulam Pond, Theni District, Tamil Nadu Published in the proceedings of National Conference on Frontiers in Life Science Research NCFLSR – 24 23rd January, 2024 PG & Research Department of Zoology, The American College, Madurai Tamilnadu, India ISBN: 978-93-80-36847-4
12. Green Synthesized Zinc Oxide Nanoparticles from Tagetes Erecta Flower Extract Efficiency on *Culex Quinquiefasciatus* Larva Published in the proceedings of International Conference on Research Trends, Strategies, And Technical Advancements in Biological and Biomedical Sciences for Sustainability Rtsta 22 (Hybrid Mode) Seethalakshmi Ramaswami College (Autonomous) Tiruchirappalli, Tamil Nadu on 14th & 15th, December, 2022 ISBN: 978-93-95323-68-0.
13. Screening of phytochemicals in okra (*Abelmoschus esculentus*) under different abiotic stress Published in the proceedings of the **International Conference** on Life Science Research and Intellectual Property Rights (LRIPR 22) organized by IQAC and Department of Zoology, St. Joseph's College for Women, Alappuzha in collaboration with Inter University Center for IPR Studies, CUSAT, Kochi, Kerala and Jayaraj Annapackiam College for Women (Autonomous) Periyakulam, Theni, Tamil Nadu on 20th September, 2022. ISBN No. 978-93-5768-350-0
14. Antifungal Activity of Green Synthesized Zinc Oxide Nanoparticle Using

- Tagetes Erecta* Leaves Extract Published in the proceedings of the International Conference on Life Science Research and Intellectual Property Rights (LRIPR 22) **2022** organized by IQAC and Department of Zoology, St. ISBN No. 978-93-5768-350-0.
15. Cytotoxicity Analysis and Anticancer Activity of green synthesized silver nanoparticles using loquat leaf extract in MCF 7 Cell line. Published in the proceedings of the **International Conference** on Life Science Research and Intellectual Property Rights (LRIPR 22) organized by IQAC and Department of Zoology, St. Joseph's College for Women, Alappuzha in collaboration with Inter University Center for IPR Studies, CUSAT, Kochi, Kerala and Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, Tamil Nadu on 20th September, **2022**. ISBN No. 978-93-5768-350-0.
 16. Bioprospecting potential of green synthesis silver nanoparticles using **Eriovoprya japonica** leaf extract in cell line Published in the proceedings of the **Virtual National** Conference On unravelling application of alternative to animal models in biological research (AMBR 22) on 26th August, **2022** organized by Bishop Heber College, Autonomous) Trichy ISBN 978-93-5680-437-1.
 17. Effect Of Seed Priming Using Potassium Silicate on Germination Performance of Okra (*Abelmoschus Esculentus* Var. *Raadhika*) Published in the proceedings of the **Virtual International** Conference on Recent Progresses in Biological Sciences-2021 on 4th & 5th March, **2022** Organized by Department of Zoology Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi Sponsored by Department of Biotechnology (Dbt), New Delhi & The Management Ayya Nadar Janaki Ammal College (pp -166).
 18. Impact of seed priming using potassium silicate on agronomic characters of okra (*Abelmoschus esculentus* var. *Raadhika*) Published in the proceedings of the **Virtual International** Conference on "Recent Innovations in Biological Research" 17th & 18th March, **2022** at PSGR Krishnammal College for Women, Coimbatore - 641 004, Tamil Nadu organized by Department of

Botany (pp - 32).

19. Isolation of symbiotic Bacteria from Entomopathogenic Nematodes Published in the proceedings of **Virtual International** Virtual Conference on Recent Innovations in Biological Research (ICRIBR-2022) on 17th and 18th March, **2022** at PSGR Krishnammal College for Women, Coimbatore - 641 004, Tamil Nadu organized by Department of Botany (pp -63).
20. The study on green synthesized silver nano particles using loquat leaf extract, it's characterization and it's antimicrobial activities Published in the proceedings of **Virtual International** Conference on "Recent Innovations in Biological Research" 17th & 18th March, **2022** at PSGR Krishnammal College for Women, Coimbatore – 641 004, Tamil Nadu organized by Department of Botany (pp - 35).
21. Influence of Potassium Silicate on the Morphological Growth Characters of *Abelmoschus esculentus* L. (Bhendi) by Soil drenching Published in the proceedings of **Virtual International** Virtual Conference on Biological Innovations & Computational Exploration for Pandemic Challenges (BICPAC'22) on 24th & 25th February, **2022** organized by Department of Biotechnology & Bioinformatics at Bishop Heber College (Autonomous) Tiruchirappalli – 620 017(PP 73) ISBN 978-93-5680-437-1.
22. Entomopathogenic Nematodes as a Biological Agent against Insects Published in the proceedings of 7th Go Green Summit **2021**, on 14th – 15th October, 2021 organised by ISERS (**International** Society of Environmental Relationship and Sustainability at Manila, Philippines. ISBN: 978-81-951121-4-2 Page | 33.
23. **S. Gayathri and S. Iruthaya Kalai Selvam (2016-2017)** “Phytochemicals screening and antimicrobial activities of selected medicinal plants of Theni district in Tamilnadu” Published in the proceedings of **Students Projects Scheme Seminar Cum Exhibition**, supported by Tamilnadu State Council for Science & Technology (TNSCST) Government of Tamilnadu, Chennai.
24. Subbulakshmi S., **S. Iruthaya Kalai Selvam**, Joji Reddy L., Joys Rathinam A. (2016). Green synthesis and antimicrobial activity of silver nano particles

- using *Senna auriculata* flower extract Published in the proceedings of the Extended Summaries of Contributed Papers International Conference on **“Emerging Trends in Synthesis of Nano Particles in Agri Biotechnology-Research and Commercialization”**. (5.1.3). 14-20. Loyola Academy Degree & PG College, Old Alwal, Secunderabad - 500 010, Telangana state, India. ISBN: 978-93-7495-634-2. February, 25-27.
25. Jeyabharathi S., **Iruthaya Kalai Selvam, S.**, Vennila, B., Nirmala T. (2016). Green synthesis and antimicrobial activity of silver nano particles using *Moringa oleifera* flower extract Published in the proceedings of the Extended Summaries of Contributed Papers International Conference on **“Emerging Trends in Synthesis of Nano Particles in Agri Biotechnology - Research and Commercialization”**. (5.1.4). 21-26. Loyola Academy Degree & PG College, Old Alwal, Secunderabad - 500 010, Telangana State, India. ISBN: 978-93- 7495-634-2. February, 25-27.
 26. **“Industrial Waste Management”** Published in the Proceedings of the **National Conference** on “Technology for wealth from waste” (Recycling, recovery and Remanufacturing) organized by Loyola Institute of Frontiers Energy (LIFE) & Loyola ICAM College of Engineering and Technology (LICET) at Chennai on 8th & 9th February, 2013.
 27. “Effect of Probiotic bacteria (Commercial *Lactobacillus*) on the survival and growth performance of *Cirrhinus mrigala*” Published in the proceedings of the **National Seminar** on “New Frontiers in Biology” organised by J.A. College for Women (A) at Periyakulam on 18th & 19th December, 2012.
 28. **“Allelopathy as a Participatory Technology for Resource Poor Banana Farmers”** Published in the Proceedings of the International Conference on Science, Society and Sustainability “Many Species, One Planet” organised by Lady Doak College, Madurai from 11th to 13th January, 2012.

27. PAPER PRESENTED - 35

1. Presented Paper in the One Day National Conference on **“Innovative Approaches to Quality Assurance in Higher Education for Sustainable Futures”** organised by the IQAC, Jayaraj Annapackiam College for Women

- (Autonomous), Periyakulam, Tamil Nadu on 9th January, 2025. on the title of Innovative Approaches to Inclusive Education
2. Isolation and identification of **Heterorhabditis Indica** using Galleria mellonella baiting method. National Seminar on Interdisciplinary trends in life sciences held on 25th September, 2024. Organised by PG and Research Center of Zoology, Jayaraj Annapackiam College for women Periyakulam.
 3. Evaluation of the impact of **Tagetes erecta** flower extract on morphological alterations and lethal effects in *Meloidogyne incognita*. National Seminar on Interdisciplinary trends in life sciences held on 25th September, 2024. Organised by PG and Research Center of Zoology, Jayaraj Annapackiam College for Women, Periyakulam.
 4. **A comprehensive analysis of diabetic patient's foot ulcer grade and the microbial communities**. National Seminar on Interdisciplinary trends in life sciences held on 25th September, 2024 organised by PG and Research Center of Zoology, Jayaraj Annapackiam College for Women, Periyakulam.
 5. **Photorhabdus mediated synthesis of silver nanoparticles against Meloidogyne incognita**. International Conference on innovative Research and Development (ICIRD-2024). Organized by Shinawatra University, Thailand and ESN Publications, India from May 28th - 30th, 2024. ISBN : 978-93-90188-47-5.
 6. Presented a paper entitled **Green Silver Nanoparticle Synthesis using Allium cepa Peel Extract and Antimicrobial Activity against Selected Human Pathogens** in the International Conference on Innovative Research and Development (ICIRD - 2024) held between 26th to 28th February, 2024. Jointly organised by Metharath University, Thailand, ESN Publications, India, Mother Teresa Women's University, Kodaikanal Jayaraj Annapackiam College for Women, Thamaraikulam, Theni Dt., Christ College (Autonomous), Irinjalakuda.
 7. Presented a Paper Title: Demat and Economic Growth in National Conference on "**Strategies for career Growth and Financial Success in Capital Market**" on 20th February, 2024 Organized by Department of

Commerce with Computer Application, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.

8. **“Unlocking the Therapeutic Potential of Loquat Leaves: Exploring the Phytochemical Spectrum, Anti-oxidant Marvels and Antimicrobial Wonders through Varied Solvent Extraction Method”** in the Two days International Conference on “Micro algae : Biodiversity and Bioprospecting” held on 20th and 21st February, 2024 organised by the Department of Botany, St. Mary’s College (Autonomous), Thoothukudi under the Star College Scheme sponsored by the DBT, Govt. of India, New Delhi.
9. Presented a paper in the National Level Online Conference on Environmental Pollution and Land Restoration” on 10th June, 2024, organized by Council for Science and Development and BPT Publications and Won the FIRST PRIZE.
10. Green Synthesis and Characterization of ZnO Nanoparticles from *Tagetes erecta* for *Meloidogyne incognita* Management Published in the proceedings National Conference on Frontiers in Life Science Research NCFLSR – 24 23rd January, 2024 organised by PG & Research Department of Zoology, The American College, Madurai, Tamilnadu, India ISBN: 978-93-80-36847-4.
11. Arachnids in the Academia: Exploring Spider Populations on J.A. College Campus from during the late fall and early winter months Published in the proceedings National Conference on ‘Frontiers in Life Science Research NCFLSR – 24’ on 23rd January, 2024 organised by PG & Research Department of Zoology, The American College, Madurai, Tamilnadu, India ISBN: 978-93-80-36847-4
12. Study of Butterfly Biodiversity from November to January at J.A. College Campus, Theni District, Tamil Nadu, India Published in the proceedings National Conference on Frontiers in Life Science Research NCFLSR – 24 on 23rd January, 2024 organised by PG & Research Department of Zoology, The American College, Madurai, Tamilnadu, India ISBN: 978-93-80-36847-4.

13. Winged Guardians: Avian Diversity to Assess Ecosystem Health on Periyakulam Pond, Theni District, Tamil Nadu Published in the proceedings National Conference on Frontiers in Life Science Research NCFLSR – 24 on 23rd January, 2024 organised by PG & Research Department of Zoology, The American College, Madurai Tamilnadu, India ISBN: 978-93-80-36847-4
14. Green Synthesis and Characterization of ZnO Nanoparticles from *Tagetes erecta* for *Meloidogyne incognita* Management in the National conference on frontiers in Lifescience Research (NCFLSR 24) organized by PG and Research Center of Zoology, Affiliated to Madurai Kamaraj University, Madurai, Tamilnadu on January 23rd, **2024**.
15. Isolation and Morphological Identification of *Meloidogyne incognita* from *Solanum lycopersicum* roots in the Two days National Conference on Biotechnology for Sustainable Agriculture and Healthcare (NCBSAH – 2023) organized by the School of Biotechnology, Madurai Kamaraj University, Madurai, Tamilnadu on 23rd and 24th March, **2023**.
16. Screening of phytochemicals in Okra (*Abelmoschus esculentus*) under different abiotic stress in the International Conference on Life Science Research and Intellectual Property Rights (LRIPR'22) organized by IQAC and Department of Zoology, St. Joseph's College for Women, Alappuzha in collaboration with Inter University Center for IPR Studies, CUSAT, Kochi, Kerala and Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, Tamilnadu on 20th September, **2022**.
17. Antifungal activity of green synthesized zinc Oxide Nanoparticle using *Tagetes erecta* leaves against *Aspergillus flavus* in the International Conference on Life Science Research and Intellectual Property Rights (LRIPR'22) organized by IQAC and Department of Zoology, St. Joseph's College for Women, Alappuzha in collaboration with Inter-University Center for IPR Studies, CUSAT, Kochi, Kerala and Jayaraj Annapackiam College for Women (Autonomous) Periyakulam, Theni, Tamilnadu on 20th September, **2022** .

18. Green synthesized zinc Oxide Nanoparticle using *Tagetes erecta* flower extract efficiency on *Culex quinquefasciatus* Larva at the International Conference on Research Trends Strategies, and Technical Advancement in Biological and Biomedical Sciences for Sustainability (RTSTA'22) organized by Research Department of Zoology, Seethalakshmi Ramaswami College, Thiruchirappalli on 14th and 15th December, **2022**.
19. Impact of seed priming using potassium silicate on agronomic characters of okra (*Abelmoschus esculentus* var. *Raadhika*) presented in the **Virtual International** Conference on "Recent Innovations in Biological Research" 17th & 18th March, **2022** at PSGR Krishnammal College for Women, Coimbatore, 641004, Tamil Nadu organized by Department of Botany (pp -32).
20. Isolation of symbiotic Bacteria from Entamopathogenic Nematodes presented in the **Virtual International** Virtual Conference on Recent Innovations in Biological Research (ICRIBR-2022) on 17th and 18th March, 2022 at PSGR Krishnammal College for Women, Coimbatore – 641 004, Tamil Nadu organized by Department of Botany (pp -63).
21. The study on green synthesized silver nano particles using loquat leaf extract, it's characterization and its antimicrobial activities presented in the **Virtual International** Conference on "Recent Innovations in Biological Research" 17th & 18th **March, 2022** at PSGR Krishnammal College for Women, Coimbatore – 641 004, Tamil Nadu organized by Department of Botany (pp - 35).
22. Effect Of Seed Priming Using Potassium Silicate on Germination Performance of Okra (*Abelmoschus Esculentus* Var. *Raadhika*) presented in the **Virtual International** Conference on Recent Progresses in Biological Sciences-2021 on 4th & 5th **March, 2022** Organized by Department of Zoology Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi Sponsored by Department of Biotechnology (Dbt), New Delhi & The Management Ayya Nadar Janaki Ammal College (pp -166).

23. Influence of Potassium Silicate on the Morphological Growth Characters of *Abelmoschus esculentus* L. (Bhendi) by Soil drenching presented in the **Virtual International** Conference on Biological Innovations & Computational Exploration for Pandemic Challenges (BICPAC'22) on 24th & 25th **February, 2022** organized by Department of Biotechnology & Bioinformatics at Bishop Heber College (Autonomous) Tiruchirappalli – 620 017 (PP 73).
24. Entamopathogenic Nematodes as a Biological Agent against Insects in 7th Go Green Summit **2021**, on 14th – 15th October 2021 organised by ISERS (**International** Society of Environmental Relationship and Sustainability at Manila, Philippines. ISBN: 978-81-951121-4-2 Page | 33.
25. Evaluation of BioarmorTM and BioharmonyTM on *Solanum melongena* (Brinjal) and *Abelmoschus esculentus* L. (Bhendi) for drought mitigation effects presented in the **Virtual International** Conference on “Ecotoxicology – Impacts, Assessment and Mitigation” organised by PG & Research Department of Zoology, Lady Doak College, Madurai on 16th & 17th September, 2021.
26. Bioaction of the peels of *Carica papaya* l. with Silver Nanoparticle” presented in the National Symposium on Advances in Cancer Research (NSACR - **2018**) on 14th February, 2018 organised by Karpagam Academy of Higher Education, Tamil Nadu.
27. Silver nanoparticle - An overview of Industrial Application in Cosmetics” presented in **National** Conference on Emerging Trends in Materials - 2017, Department of Physics, Chemistry and Biotechnology, Mary Matha College of Arts and Science, Periyakulam on 6th March, 2017.
28. “Nanoparticles Sources and toxicity” presented in the National Conference on Emerging Trends in Materials -2017, Department of Physics, Chemistry and Biotechnology, Mary Matha College of Arts and Science, Periyakulam on 6th March, 2017.
29. Green synthesis and Antimicrobial Activity of Silver Nano particles using *Senna auriculata* flower extract presented in the **International** Conference

- on Emerging Trends in Synthesis of Nano Particles in Agri Biotechnology - Research and Commercialization. Organized by Loyola Academy Degree & PG College at Old Alwal, Secunderabad - 500 010, Telangana state, India from 25th to 27th February, 2016.
30. Green Synthesis and Antimicrobial Activity of Silver Nano particles using *Moringa oleifera* flower extract presented in the **International** Conference on Emerging Trends in Synthesis of Nano Particles in Agri Biotechnology - Research and Commercialization. Organized by Loyola Academy Degree & PG College at Old Alwal, Secunderabad-500 010, Telangana State, India from 25th to 27th February, 2016.
 31. “Green synthesis and Antibacterial Activity of Silver Nano particles using *Oriza sativa* Husk Extract presented in the **National Seminar** on “Interdisciplinary Application of Biology” Sponsored by UGC. PG & Research Centre of Zoology at J.A. College for women (A), Periyakulam on 28th & 29th January, 2015.
 32. “**Industrial Waste Management**” presented in the **National** conference on “Technology for Wealth from Waste” (Recycling, Recovery and Remanufacturing) organized by Loyola Institute of Frontiers Energy (LIFE) & Loyola ICAM College of Engineering and Technology (LICET) at Chennai on 8th & 9th February, 2013.
 33. “Effect of Probiotic bacteria (Commercial *Lactobacillus*) on the survival and growth performance of *Cirrhinus mrigala*” presented in the **National** on “New Frontiers in Biology” organised by J.A. College for Women (A) at Periyakulam on 18th & 19th December, 2012.
 34. “Allelopathy as a Participatory Technology for Resource Poor Banana Farmers” presented in the International Conference on Science, Society and Sustainability “Many Species, One Planet” organised by Lady Doak College, Madurai from 11th to 13th January, 2012.
 35. **Antibacterial Activity of Iron Nanoparticles using *Thalassia Hemprichii*** presented in the International Conference on ‘Recent Trends in Physics’25 (ICRTP’25) on 12th December, 2025.

28. INTERNATIONAL, NATIONAL, STATE AND DISTRICT LEVEL / SEMINAR / CONFERENCE / WORKSHOP / TRAINING PROGRAMME ATTENDED

28a. SEMINARS & WEBINARS - 33 / CONFERENCES - 12 /WORKSHOP &FACULTY DEVELOPMENT PROGRAMME & TRAINING - 27 ATTENDED

1. Participated in the **Online NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP)** of University Grants Commission (UGC) organized by The Gandhigram Rural Institute – DTBU, Gandhigram from 05th January, 2026 to 13th January, 2026.
2. Participated in the National Seminar on “**The Indian Constitution – The Soul of India**” Collaboration with Indian Social Institute, New Delhi Jointly Organised at J.A. Collegefor Women (A), Periyakulam on 24th September, 2025.
3. AIACHE South Regional Meet, 2025 on ‘**Fostering Academic Partnerships among Christian Higher Education Institutions**’ organised by All India Association for Christian Higher Education (AIACHE) in collaboration with Madras Christian College (Autonomous), Madras on 29th and 30th August, 2025.
4. **International Seminar** on “Modern Trends in Applied Microbiology”. PG Departmentof Zoology J.A. College for women (A), Periyakulam on 19th August, 2025.
5. Participated in the **One day Seminar on International Collaboration for A Skilled Workforce** 24th March, 2025 Organized by Don Bosco Iti, Amsam, Skills for Progress (SKIP)
6. Participated in A Six-Days **National-Level Virtual Faculty Development** Program (FDP) Interdisciplinary Approaches on Green Chemistry, Biotechnology and Environmental Engineering (GCBE 2025) on 10th - 15th February, 2025 organized by the Department of Chemistry. School of Sciences.

7. Participated in the **Webinar** on "IUPAC-Global Women's Breakfast, Webinar on Accelerating Equity in Science" organized by the Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai in association with Association of Chemistry Teachers (ACT), Mumbai on 11th February, 2025.
8. Attended Two Day **National Level Faculty Development Programme** (Online) Titled "Research Paper and Project Proposal Writing" on 07th February, 2025 and 07th February, 2025, Organized by Department of Humanities and Sciences, Sri Venkateswara College of Engineering & Technology (Autonomous), Andhra Pradesh, & A.C.T Academy, Kerala.
9. Participated in the Two Day **National Seminar** on Direct Benefit Transfer (DBT) Scheme: An Initiative for Inclusiveness Sponsored by Indian Council of Social Science Research (ICSSR) SRC-HYDERABAD GAMO MANTRI KALYA PMGKY on 6th and 7th January, 2025 Organised by Research Committee & PG and Research Department of Commerce.
10. Participated in the **International Webinar** on The Contribution of Sri Lankans to the Enrichment of Tamil Culture organized by the PG & Research Centre of History, Jayaraj Annapackiam College for Women (Autonomous) Periyakulam, Theni Dt. on 7th October, 2024.
11. Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor of Zoology, participated in the **State Level Seminar** on Minority Higher Education: Trends, Challenges and Opportunities organized by Consortium of Christian Minority Higher Educational Institutions in St. Joseph's College (Autonomous), Tiruchirappalli on 5th October, 2024.
12. Participated in **National Seminar** on Interdisciplinary trends in life sciences held on 25th September, 2024 organised by PG & Research Department of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Tamilnadu, India.
13. Participated in the **International Webinar** on "Multidisciplinary Approaches in Research for Sustainable Development" organized by

PG & Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni District, on 29th August, 2024.

14. Participated in the **International Conference** on Innovative Research and Development (ICIRD - 2024) Organized by SHINAWATRA UNIVERSITY, Thailand and ESN PUBLICATIONS, INDIA held between 28th - 30th May, 2024.
15. Participated in the Synchronised Bird Census 2024 (Phase 1 Wetland Birds) Conducted by Srivilliputhur Megamalai Tiger Reserve, Megamalai Division, Theni – Tamil Nadu Forest Department on 27th and 28th January, 2024.
16. **National Webinar** on Interdisciplinary Approaches in Biology Organised by J.A. College, Periyakulam in Collaboration with Christ College, Kerala on 6th December, 2023
17. Participated in the **National** Xavier Board Annual General Body Meeting 2023 on Institutional Preparedness for the Future: Challenges and Opportunities in Higher Education held at Rajagiri Business School, Kochi, Kerala from 21st - 23rd October, 2023, organised by Xavier Board of Higher Education in India, 31, Primrose Road, Bangalore - 560 025
18. Participated in the **Annual General Body Meeting of Physical Education Department** for the Principals of all the Affiliated Colleges of our Mother Teresa Women's University held on 28th July, 2023 at 10:30 am at our Mother Teresa Women's University, Attuvampatti Campus, Kodaikanal.
19. Participated in the **International Webinar** Series on “Recent Advances in Biological Research” organized by the Department of Botany, PSGR Krishnammal College for Women, Coimbatore on 23rd & 24th March, 2023.

20. Participated in **IP Awareness / Training Programme** under **National Intellectual Property Awareness** mission on December 16th, 2022 organised by Intellectual Property Office India
21. **National Academic Collaboration Meet 2022** organised by Xavier Board of Higher Education on 14th and 15th May, 2022 at St. Albert's College (Autonomous), Ernakulam.
22. **National Seminar** on "Taxonomy, Biodiversity and Conservation" organised by the PG and Research Department of Advanced Zoology & Biotechnology and Loyola Institute of Frontier Energy (LIFE) Loyola College, Chennai in Collaboration with Zoological Survey of India (ZSI) Kolkata, Ministry of Environment, Forest and Climate Change (MoEF & CC) Government of India on 11th and 12th February, 2019.
23. **UGC Sponsored National Seminar** on "Ranking the Research Publications: Citation Analysis, Citation Databases and Anti-Plagiarism. Central Library, J.A. College for women (A), Periyakulam on 27th & 28th January, 2016
24. **National Seminar** on "Interdisciplinary Application of Biology" Sponsored by UGC. PG & Research Centre of Zoology J.A. College for women (A), Periyakulam on 28th & 29th January, 2015.
25. **National Seminar** on "New Frontiers in Biology" Sponsored by UGC. PG Department of Zoology J.A. College for women (A), Periyakulam on 18th & 19th December, 2012.
26. **Seminar** on "Molding the Christian youth in the light of Christ". J.A. College for women (A), Periyakulam on 15th September, 2011.
27. **State Level Seminar** on "Biodiversity - Measures for Conservation and Management" J.A. College for Women (A), Periyakulam on 16th December, 2010.
28. **National Level Seminar** on "Human Rights" organized by IQAC. J.A. College for Women (A), Periyakulam on 9th & 10th December, 2010.

29. **National Level Seminar** on “Inculcation of Values for Holistic Life Amidst Technological Scenario”. J.A. College for Women (A), Periyakulam on 06th & 07th December, 2010.
30. **State Level Seminar** on “Social Work Practice in Mental Health: Contemporary Roles, Tasks and Challenges.” Department of Social Sciences, Lady Doak College. Madurai on 29th October, 2009.
31. **Awareness Programme** on SILKMARK. PG Department of Zoology, APA College for women, (A), Palani on 17th July, 2009.
32. **State Level one-day Seminar** on “Modern Biological Sciences” with a support of Indian Nation Science Academy, New Delhi. PG Department of Zoology, J.A. College for Women (A), Periyakulam on 27th January, 2009.
33. **State Level Seminar** on “Christian Values for Wholesome Life” sponsored by Xavier Board of Higher Education in India, J.A. College for Women (A), Periyakulam on 29th August, 2008.

28b. CONFERENCES PARTICIPATED : 12

1. **International Conference** on Recent Trends in Physics'25 (ICRTP'25) organised by J.A. College for Women, Periyakulam on 12th December, 2025. organised by PG and Research Centre of Physics,
2. **25th Triennial Conference 2025** on “Empowering Minds, Embracing Change: Reimagining Catholic Higher Education for a Global Tomorrow” sponsored by Xavier Board of Higher Education in India, organized by St. Aloysius (Deemed to be University), Mangalore, Karnataka from 18th to 21st October, 2025.
3. Attended One Day **National Conference** on "Innovative Approaches to Quality Assurance in Higher Education for Sustainable Futures" organised by the IQAC, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Tamil Nadu on 9th January, 2025
4. Participated in the **International Conference** on Innovative Research and Development (ICIRD - 2024) (Online) held between 26th to

28th February, 2024 Organized by Metharath University, Thailand ESN Publications, India Mother Teresa Women's University, Kodaikanal Jayaraj Annapackiam College for Women, Thamaraiikulam, Theni Christ College (Autonomous), Irinjalakuda

5. Participated in **National Conference** on "Strategies for career Growth and Financial Success in Capital Market" on 20th February, 2024 Organized by Department of Commerce with Computer Application, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.
6. **National Conference** on Frontiers in Life Science Research NCFLSR-'24. 23rd January, 2024 organised by PG & Research Department of Zoology the American College, Madurai, Tamilnadu, India
7. Participated in the **National 24th Triennial Conference** of Xavier Board member institutions held on from October 22nd to 24th, 2022 at St. Joseph Vaz Spiritual Renewal Centre, Goa. Organised by Xavier Board of Higher Education on India
8. **International Conference** on Emerging Trends in Synthesis of Nano Particles in Agri Biotechnology - Research and Commercialization. Loyola Academy Degree & PG College, Old Alwal, Secunderabad - 500 010, Telangana state, India from 25th to 27th February, 2016.
9. **14th FAOBMB Congress & 84th Annual Meeting of SBC (I)** "Current Excitement in Biochemistry and Molecular Biology for Agriculture and Medicine" by Centre for Cellular and Molecular Biology, Hyderabad, India. BITS Pilani, Hyderabad, India from 27th to 30th November, 2015.
10. **National Conference** on "Technology for Wealth from Waste" (Recycling, Recovery and Remanufacturing. Loyola Institute of Frontiers Energy (LIFE) & Loyola ICAM College of Engineering and Technology (LICET), Chennai on 8th & 9th / /2013.
11. **International Conference** on Science, Society and Sustainability "Many Species, One Planet", Lady Doak College Madurai from 11th to 13th January, 2012.

12. **International Conference** on “BIOETHICS”. Mother Teresa Women’s University, Kodaikanal from 24th to 26th September, 2008.

28c. WORKSHOP / TRAINING PARTICIPATED - 27

1. Participated in the **Strategic Resource Development Workshop** on 12th and 13th February, 2026 organized by the United Board for Christian Higher Education in Asia in collaboration with Women’s Christian College, Chennai.
2. One day **Conclave:** for Leaders in Higher Education on 25th January, 2025 in Christ Deemed to be University, Bangalore Organised by Christ University Higher Education Leadership Institute
3. Five Day **Faculty Development Programme** on AI Tools for Streamlining Academic Research and Paper Writing conducted Online during December from 05th to 09th, 2023, organized by Scientific Research Reports, Chennai, India.
4. Participated in 7 Day **National Level Online Faculty Development Program** on Outcome Based Education (OBE) organised by St. James College of Nursing and St. James College of Pharmaceutical Sciences, Chalakudy in association with The Kerala State Higher Education Council from 08th March to 15th March, 2023
5. Participated in Five Days Virtual **Faculty Development Programme** on Positive Aspects of Teaching Practices held from 20th to 24th February, 2023 organised by IQAC and PG and research Centre of Commerce, Theivanai Ammal College (Autonomous,) Villupuram
6. Participation the one-day **FDP** of Blooms Taxonomy in Teaching and Learning Organized by Sansnow’s Nebal Professional Foundation (Approved by MSME and ministry of corporate affairs Government of India) of February 16th, 2023.
7. One Day **Training** on “Bee Keeping and Apiculture” on 16th September, 2021 Organized by Department of Entomology held at Agricultural College and Research Institute, Madurai.

8. **National Workshop** on Microbial tool and Bioremediation (NWMB-2017) organized by Research Centre and PG Dept. of Zoology, at J.A College for Women (A). Periyakulam on 9th & 10th February, 2017.
9. **State Level one day Workshop** on Polymerase Chain Reaction - Techniques organized by Research Centre and PG Dept. of Zoology, J.A College for Women (A). Periyakulam on 11th & 12th September, 2015.
10. **A State Level Workshop** on Statistical Packages for The Social Sciences (SPSS) organized by PG & Research Centre of Zoology, J.A. College for Women (A), Periyakulam from 24th to 28th August, 2015.
11. **One Day Mushroom Training**, Department of Floriculture and Medicinal Crops, Horticultural College & Research Institute, Periyakulam on 14th July, 2015.
12. **Leadership Training** programme for the faculty members of JAC(A) Periyakulam. Centre for Education Beyond Curriculum (CEDBEC) Christ University, Bangaluru on 29th & 30th June, 2015.
13. **National Level Workshop** on E-Content Development for Effective Teaching and Learning. Dept. of physics, J.A College for Women (A). Periyakulam from 11th to 13th September, 2014.
14. **National Level Motivational Cum Capacity Building Workshop** for college teachers organized by Xavier Board of Higher Education, Western Region (India). Pilar Deepti Sadan, Goa on 21st & 22nd March, 2014.
15. **State Level Workshop** on “Advanced Techniques in Biotechnology. Dept of Biochemistry & Biotechnology, Sourashtra College, Madurai Under the Guidance of 25 Research Supervisors, 51 Scholars are pursuing Ph.D. this year on 23rd to 25th January, 2014.
16. **State Level Workshop** on “Reforms in Curriculum Development and examination System”. J.A. College for Women (A). Periyakulam on 13th November, 2013.

17. Counsellor **Training Course** in accordance with the standards of Anugraha Institute of Counselling. J.A. College for Women (A). Periyakulam on 10th June, 2013.
18. **Online Short Course** on Entrepreneurship Development in Food Processing (EDFP) organized by the Department of Technology Dissemination, National Institute of Food Technology Entrepreneurship and Management (NIFTEM) -Thanjavur held on 27th & 28th January, 2022
19. Two day **Workshop** on Interactive E-Content Development, organized by the PG Department of Computer Science, Jayaraj Annapackiam College for Women, Periyakulam on 21st – 22nd January, 2022
20. **State Level Workshop** on Statistical Packages for The Social Sciences (SPSS). PG Department of Zoology J.A. College (A), Periyakulam. 11 -15/2/20133 days' Environmental Awareness Programme. Anglade Institute of Natural History, Shenbaganur, Kodaikanal from 20th to 22nd February, 2012.
21. **State Level workshop** on “Hands on Training in Avian Studies”. PG Department of Zoology, J.A. College (A), Periyakulam on 14th to 15th February, 2012.
22. **International Workshop** on Profiling Research Publications for Quality Research. Sri Saradha College for Women. Tirunelveli. on 1st February, 2012
23. **Workshop** on “Recent Trends in Science for Talented Rural School Students of Periyakulam Educational District”. PG Department of Zoology, J.A. College (A), Periyakulam on 12th & 13th October, 2011.
24. Two days' **Workshop** on “Higher Education in a Changing Environment”. J.A. College (A), Periyakulam between 26th & 27th November, 2010.
25. **National Level Workshop** on “Techniques in Animal Cell Culture”. Lady Doak College. Madurai. 22nd - 26th February, 2010.

26. **State Level Seminar cum Workshop** on “Future Scope for Young Botanists in Herbal Industries”. S.F.R. College for women. Sivakasi on 9th October, 2009.
27. The **Course** on Social Analysis”. IDEAS. Madurai from 07th to 12th June, 2009.

29. SERVED AS RESOURCE PERSON: 28

1. Served as a Recourse Person for the Training Programe on **Research Metrics**’ organized by the the Don Bosco College, Sulthan Bathery, Wayanad on 1st December, 2025
2. Served as a Resource Person in the Internship Training Programme on **‘Edible Mushroom Cultivation and entrepreneurship Skill Development** organized by Jeyaraj Annapackiam College for Women Periyakulam, on 2nd June to 7th June, 2025.
3. Served as a Resource Person for the Faculty Development Programme on **‘Empowering Educators: Integrating Whole Person Education in Teaching Practices**’ organized by Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 12th June, 2025.
4. Served as Evaluator for the **34th Children’s Science Congress – 2025** organized by Tamil Nadu Science Forum, The Institute of Mathematical Sciences, All India People’s Science Network.
5. Served as a Resource Person in One Day Capacity Building Program on **Mushroom Based Startup Models: Sustainable Value Addition Business Opportunities for Young Entrepreneurs** Jointly Organized by Arul Anandar Incubation Center in association with IOAC. Dean Research and MHRD IPR & Innovation Cell Institution's Innovation Council in Collaboration with Jeyaraj Annapackiam College for Women Periyakulam, Theni – 625601 on 26th March, 2025.
6. Served as a Resource Person in Three Days Training Programme on **Mushroom Cultivation And Its Value Addition** from 04th February,

2025 - 06th February, 2025 under the "Scheduled Caste (SC) and Scheduled Tribes (ST) Cell TNSCST sponsored by Seed Division, Department of Science and Technology, Govt of India, Tamil Nadu State Council for Science and Technology Govt of Tamil Nadu and PG and Research Centre of Zoology Jayaraj Annapackiam College for Women, Periyakulam on the title on Mushroom Cultivation and its maintenance on 4th February, 2025.

7. Invited as Chief Guest for the **Madurai CRI West Christmas Celebration** held on 15th December, 2024, *Organized by the Conference of Religious of India – West Zone, Madurai*
8. Served as a Chair Person in the International Webinar on **Multidisciplinary Approaches in Research for Sustainable Development'** Organised by PG & Research Centre of Zoology on 29th August, 2024
9. Served as Chair Person in the International Conference on **Innovative Research and Development (ICIRD - 2024)** from February 28th to 30th, 2024 Shinawatra University, Thailand
10. Served as a in the **Inservice Training** to Science Teachers Catalysed and Supported by Tamil Nadu State Council for Science and Technology, Chennai organised by PG and Research Centre of Zoology, JA College (Autonomous) Periyakulam. Theni District held during 4th, 5th, 6th, 8th & 9th January, 2024.
11. Served as a **Jury in the Rock N Roll on Old Songs Competition** held on 15th and 16th December, 2023 held at JA College (Autonomous), Periyakulam, Theni District
12. Served as a Chair Person in the National Webinar on **Interdisciplinary Approaches in Biology** Organised by JA College Periyakulam in Collaboration with Christ College Kerala on 6th December, 2023
13. Served as a Chair Person in the Faculty Development Programme on **Intellectual Property Right and Innovative Research Methods**

organised by Research Committee and IQAC, JA College Periyakulam, Theni on 24th November, 2023.

14. Served as a Resource Person on the topic “**Green Synthesis of Nano Particles and Their Characterization**” 3-Day National Workshop on 6th, 7th & 8th December, 2022 Organized by the Department of Biotechnology, Loyola Academy, Secunderabad, Andhra Pradesh.
15. Resource Persons for the Training on **Mushroom Cultivation and Value-added Products from Mushroom** on 19th November, 2022, in Clerisian Seminary at Karumathur.
16. Served as an **External Practical Examiner** from 23rd to 26th May, 2022 at HKRH College, Uthamapalayam-625533
17. Served as a Resource Person on the topic “**Value Addition on Spirulina Cultivation**” in Capacity Building, Skill Enhancement Compulsory Course (SECC2) for the students on 13th April, 2022 organized Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.
18. Served as a Resource Person on the topic “**Mushroom Cultivation**” in Capacity Building, Skill Enhancement Compulsory Course (SECC2) for the students on 12th March, 2021 organized Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.
19. Served as a Resource Person on the **topic “Mushroom Cultivation and spirulina Production**” on 11th December, 2020 organized at Carmel Philosophy College, Pushparam, Karumathur, Madurai-625514.
20. Served as a Resource Person for the Technical Session II Bio Control” in one day State Level Seminar on **Environmental Biotechnology** on 5th March, 2019 organized by Department of Biotechnology and Microbiology, Mary Matha College of Arts and Science, Periyakulam.
21. Served as a Resource Person in the **In service Training Programme** for the Science Teachers –Theni District, Catalyzed and Supported by Tamil Nadu State Council for Science & Technology (TNSCST) Government of Tamil Nadu Chennai on 21st February, 2019 organized

- by Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.
22. Served as a Chairperson for the “**National Symposium on Advances in Cancer Research (NSACR- 2018)** on 14th February, 2018 organised by Karpagam Academy of Higher Education, Tamil Nadu.
 23. Served as a Resource Person on the topic “**Positive Visualaization**” in orientation programme for the students from 22nd to 24th November, 2017 organized by Jayaraj Annapackiam College for Women (Autonomous) Periyakulam.
 24. Served as a Resource Person to deliver a talk on **Mushroom Culture** in one-week NSS Camp from 17th November to 23rd November, 2016 organized by Jayaraj Annapackiam College for Women (Autonomous) Periyakulam.
 25. Served as a Resource Person to deliver a talk on **Mushroom Culture** in one day NSS Camp on 15th November, 2017 organized by Jayaraj Annapackiam College for Women (Autonomous) Periyakulam.
 26. Served as a Resource Person to deliver a talk on **Mushroom Culture** in one day NSS Camp on 14th November, 2017 organized by Jayaraj Annapackiam College for Women (Autonomous) Periyakulam.
 27. Served as a member of Youth Talk Jury Panel for the selection of Regional Level Prelims of “**ICTACT Youth Contests**” conducted by ICTACT Tamil Nadu on 12th and 13th August, 2016.
 28. Served as a Resource Person to deliver a talk on **Mushroom Culture** in one day Workshop for economically weaker students supported by Tamilnadu State Council for Science & Technology (TNSCST) Government of Tamilnadu, Chennai on 10th February, 2014 organized by Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.

30. GUEST LECTURES IN CLUB AND CELLS: 5

S. No	Title	Date/ Year	Name of the Club
1	Impact of Pesticide on human health	28/10/2022	Eco Club, Jayaraj Annapackiam College for Women, Periyakulam
2	Bird's Conservation	17/8/2017	Avian Club, Jayaraj Annapackiam College for Women, Periyakulam
3	Wetland Bird's Identification	27/9/2016	Avian Club, Jayaraj Annapackiam College for Women, Periyakulam
4	Organic Farming and Seed Production	11/7/2015	Avian Club, Jayaraj Annapackiam College for Women, Periyakulam
5	Economic Importance of Birds	27/1/ 2014	Avian Club, Jayaraj Annapackiam College for Women, Periyakulam
S. No.	Name of Award	Awarding Agency	Year
1	“Vairamani Chemmal Virudhu – 2026	Pasumai Vaasal Foundation, Chinnalapa tti, Dindigul Dt.	08th March, 2026
2	fy;tp thifr; RIH tpUJ (07.09.2025)	gRik thry; gTz;NI\> rpd;dhsgl;b > jpz;Lf;fy; khtl;lk;	2025

3	1 hour 1500 students Herbal Plant Cultivation simultaneously World Record	All India Book of Records & All India World Records Virtual University, Pondicherry	18th October, 2025
4	Inspiring Women Leadership Award - Best Women Faculty Award	Genesis of Educational Impressions, an internationally accredited ISO 9001:2015 certified company based in Roorkee District, Haridwar, Uttarakhand, India	2025
5	Certificate of Recognition for Scholarly Research Work	Anadhi Jeevanadhi Charitable Trust No: 001, Shreya Residency, Near Sal Orchid Apartment, Chelekare, Kalyan Nagar Post, Bangalore, Pin: 560 043	2024

6	Excellence in Research Award (Indo – Thai International Excellence Award)	Metharath University, Thailand	2024
7	Award recognizes certificate for the recognition of exceptional dedication to fostering knowledge, nurturing minds, and promoting academic excellence Date of Issue: May 30, 2024	Shinawatra University, Thailand	2024
8	Senior Innovator Award	G. Venkataswamy Naidu College Autonomous), Kovilpatti - 628 502. sponsored by Tamilnadu State Council for Science and Technology (Govt. Of Tamil Nadu), National Council for Science and Technology (Govt. of India, New Delhi) Microbiologists Society, India (Maharashtra, India) Tamilnadu Science	2023

9		Forum (Madurai – Branch) Sponsored and Supported Sci-Tech Award (In Connection with National Science Day - 2023)	
	Women of Excellence Award 2023	Indian World Records (IWR), Chennai (Reg. No. 165 TN, No 5663413 GOVT of India)	2023
	10	Research Excellence Award 2023 in Plant Pathology / Zoology	Research Excellence Award 2023 in Plant Pathology / Zoology by Prosper Foundation & Agri Amigos Private Limited – Academic Excellence Awards 2023, Madurai, Tamil Nadu, India.

11	International Human Welfare Award 2023 as an Achiever in the field of Social Works	Unice Council Underprivileged Nikethan Intercommunity Children Education Council. Registration Number R/M/B:4/10/142/22 Hosur, South India unicecouncil@gmail.com	17th Jan, 2023
12	V.O.C. Potrum Manithar	V.O.C Ilakkiya Vaanam at Ottapidaram on 4.09.2022	2022
13	Best Teacher Award by	Indian World Records, Chennai (Reg. No. 165 TN, 4403292 GOVT of India)	2021
14	Golden Star Award	Women Consumer Protection Association, Madurai. (Reg. No 35/99)	2021

15	Maha Vidya Mathangi Award	Indira Sundaram Charitable Trust, Tirupur (Reg. No 22/2020)	2020
16	Secured First Prize on Poster Presentation on "Bioaction of the peels of Carica papaya l. with silver nanoparticle" in the National Symposium on Advances in Cancer Research (NSACR- 2018)	Karpagam Academy of Higher Education, Tamil Nadu	14th February 2018

31. ONLINE COURSES AND WORKSHOP ATTENDED: 24

1. Participated in five Days Virtual Faculty Development Programme on "Positive Aspects of Teaching practices" held from 20th to 24th February, 2022 organized by IQAC and pot & Research Department of Commerce Theivanai Ammal College for Women (Autonomous), Villupuram.
2. Participated in the Two days National Level Online Workshop on Molecular Docking Organs of by Nirmala College for Women, Coimbatore in collaboration with Auxillium College, Vellore and Providence College for Women, Nilgris on 20th & 21st February, 2023.
3. Participation the one day FDP of Blooms Taxonomy in Teaching and Learning Organized by Sansnow's Nebal Professional Foundation (Approved by MSME and Ministry of Corporate affairs Government of India) of February 16th, 2023.
4. International Webinar on Application of Data Sciences in Logistics and Supply Chain Management. (ADALS2K21) On 28th August, 2021 organised by Department of International Business, Karaikudi.
5. Webinar on Honey Bee: Hope foe life on 27th August, 2021 organised by Department of IIC, J.A. College for women, Periyakulam.
6. National Webinar on Journey of *C.elegans* trends in Biotechnology on

- 13th August, 2021 organised by Department of Microbiology and Biotechnology, Mary Matha College, Periyakulam.
7. International Webinar on Recent Trends in Life Sciences 5th and 6th January, 2021 organised by PG and Research Centre of Zoology, J.A. College for Women, Periyakulam.
 8. International Webinar on Advanced Training Scopus Paper drafting and free publication process on 22nd July, 2021 - August 16th, 2021 organised by EUDOXIA Research Centre, Pune, India.
 9. Five Day Faculty Development Programme on Insights into Marine Biodiversity and Taxonomy, organised by the Centre for Climate Change Studies. Sathyabama Institute of Science and Technology, Chennai from 10th to 14th August, 2020.
 10. State level Webinar on "Triage Crisis and Universal Remedy - Covid-19 Perspective" on 3rd June, 2020 organised by National Service Scheme, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.
 11. Free Statistical Tool for Research Data Analysis and Research Publication with Special Reference to Citation Impact Factor and h Index on 1st and 2nd June, 2020 organised by the Library of Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.
 12. International Webinar on Brief Perspective of Nanotechnology - Biosynthesis and Bio-application of Nanoparticles from 27th to 29th May, 2020 organised by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous).
 13. International Webinar on "Past and Future of Dermatopotanical in Dermatopharmacology" held on May 26th, 2020 organised by Department of Advanced Zoology and Biotechnology, Loyola College (Autonomous) Chennai, Tamil Nadu, India.
 14. National Webinar on "Outcome Based Education" organised by the Internal Quality Assurance Cell (IQAC) of Jayaraj Annapackiam College for Women (Autonomous), Periyakulam from 22nd to 29th May, 2020.

15. International Webinar on "Biodiversity" organised by PG and Research Department of Zoology the American College Madurai on 22nd May, 2020.
16. National level Webinar on "Biodiversity Conservation with Special Emphasis on Snakes" organised by Department of Zoology, Nallamuthu Gounder Mahalingam College, Pollachi, Tamil Nadu on 21st May, 2020.
17. State Level Webinar on "Virtual Reality" organised by Department of Computer Science and Engineering, St. Anne's College of Engineering and Technology on 20th May, 2020.
18. National webinar on "Knowledge Gained Through the Challenging Exercise of NAAC: Success Story" organised by St. Joseph's College (Autonomous) Thiruchirappalli on 15th May 2020
3 Day Online Course on Apiculture from 13th to 15th May, 2020 with the passing score of 85% organised by Department of Zoology, AYYA Nadar Janagi Ammal College Autonomous, Sivakasi.
19. Qualified the exam of one week STTP on Advanced Research Methodology from 11th May 2020 to 15th May, 2020 organised by REST Society for Research International (RSRI) Krishnagiri, Tamil Nadu, India.
20. 3 day "Digital Marketing" Seminar Program held on 8th to 10th May, 2020. organised by North Strom Academy, India's Largest Digital Marketing Seminar.
21. National Level Online Faculty Development Program on "Digital Tools for Smart Classrooms in Higher Education" held between 6th May, 2020 and 7th May, 2020 organised by Department of Computer Science, Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam.
22. 3 day National Level Faculty Development Programme held on 30th April, 1st May & 2nd May, 2020 organized by BMM and B A M M C Department of Lala Lajpat Rai College of Commerce and Economics and University of Mumbai with North Strom Academy.
23. National Level Online Faculty Development Programme on "Effective usage of ICT Tools for E-Content Preparation between 27th April, 2020 to 2nd May 2020 organised by Jayaraj Annapackiam College for Women (Autonomous)

Periyakulam.

24. 10-day Free Online Workshop for teachers from 21st April, 2020 to 30th April 2020. During the Workshop the following components are exposed: creation of basic e-content, Animated e-content, stop motion animation, editing e-content, creating interactive content and uploading the e-content on the web organized by Universal Teacher's Academy Puducherry, India.

32. SEMINAR AND WORKSHOP ORGANIZED: 10

Sl. No	Position	Title & Date	Sponsored	Place
1	Convener	National Day Exhibition - 22/2/2015	J.A.C College for Women, Periyakulam	J.A. College for Women, Periyakulam
2	Organizing Director	International Conference of Innovative Research and Development (ICIRD 2024) Feb. 27 th - 29 th , 2024	Jointly organised by Metharath University Thailand, ESN Publication, Mother Teresa Women's University, Christ University, Irinjalakuda and J.A. College for Women, Periyakulam	Metharath University, Thailand
3	Convener	International Awareness Programmes on Drug abuse among young people and its preventive methods. February 18 th 2023	Anti-drug club, Red Ribbon Club & Youth Red Cross of JAC in collaboration with St. Aloysius College (Autonomous) Mangalore Karnadaka	Anti -Drug Club J.A. College for Women, Periyakulam
4	Convener and Organizing Secretary	Regenerative Agriculture Training Programme on Agripreneurship on 19/12/2022-	Naandi Foundation Mahindra Pride Classroom	PG& Research Centre of Zoology, J.A. College for

		21/12/2022		Women, Periyakulam
5	Convener	Mushroom Fortified Bakery Products Preparation on 15 th December 2021	Startup programme- Mushroom Culture, JAC, Periyakulam	PG& Research Centre of Zoology, J.A. College for Women, Periyakulam
6	Organizing Secretary	International Webinar on Brief Perspectives of Nanotechnology- Biosynthesis and Application of Nanoparticles on 27 to 29 May 2020	JAC, Periyakulam	PG& Research Centre of Zoology, J.A. College for Women, Periyakulam
7	Organizing Secretary	National Workshop on Microbial tool and Bioremediation (NWMB-2017) on 09 & 10 th February	JAC, Periyakulam	PG& Research Centre of Zoology, J.A. College for Women, Periyakulam
8	Organizing Secretary	Two Days Science Academics, Lecture Workshop on Frontier Lecture In Biology on 21& 22 /3/2016	IAS(Bengaluru) INSA (New Delhi) NASI (Allahabad)	PG& Research Centre of Zoology, J.A. College for Women, Periyakulam
9	Organizing Secretary	National seminar on Interdisciplinary Application of Biology 28 & 29/1/2015	UGC	PG& Research Centre of Zoology, J.A. College for Women, Periyakulam
10	Organizing Secretary	International Webinar on Brief Perspectives of Nanotechnology Biosynthesis and Application of	PG& Research Centre of Zoology, J.A. College for Women, Periyakulam	PG& Research Centre of Zoology, J.A. College for Women,

		Nanoparticles		Periyakulam
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33. RESEARCH GUIDANCE (Completed and Ongoing) - 3

S. No	Discipline	Ongoing	Completed
1	Under Graduate		2
2	Post Graduate		18
4	M.Phil.		2 (2017)
3	Ph.D.	4	2

34. QUESTION SETTER - 3

S.NO	College Name	Year
1	St. Mary's College, Thoothukudi District, Tamil Nadu	2020
2	St. Mary's College, Thoothukudi District, Tamil Nadu	2021
3	St. Mary's College, Thoothukudi District, Tamil Nadu	2022

35. ACTIVE LIFE MEMBER - 1

- Active Life member of the Microbiologists Society, India from 15th Oct., 2022
her Life Membership No. is MS/LM/812 - MICROBIOLOGISTS SOCIETY,
INDIA (Reg. No. MAHA/4814/SAT)

36. EDITORIAL BOARD MEMBER - 2

S.No	Journal Name	ISSN No
1	International Journal of Biological Technology	0976-4313

2	Sciencia Acta Xaveriana, An International Research Journal of Basic and Applied Sciences	0976-1152
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37. OTHER ACTIVITIES - 20

1. Conducted the Slogan Writing Competition in connection with International Day Against Drug Abuse on "**Drug Abuse and Harmful Health Effects**" to the students on 04.01.2023.
2. Conducted the Verse Writing Competition among students on **The Prevention of Drug in the Society** on 08.01.2023.
3. Conducted the Essay Writing Competition on "**Drug Abuse and Prevention Strategies**" to the students on 12.01.2023.
4. Conducted the Drawing Competition on "**Social Media Impact on Drug Abuse**" to the students on 21.01.2023.
5. Conducted an International **E-Quiz on Drug Abuse and Prevention Strategies** on 09.01.2023.
6. Conducted the Poster Making Competition on "**Drug Abuse Among Teenagers – Causes and Effects**" on 28.01.2023.
7. Conducted an **Awareness Programme** to Post a Selfie Picture to give Awareness on Anti-Drug to the public on 11.01.2023 through Online Mode.
8. Organised a Campaign to promote the students of Anti-Drug Club to post "**ENNAKU VENDAM** – Message in social media" on 18.01.2023.
9. Organised the students to Post "Ennaku Vendam Hashtags in Twitter" on 23.01.2023.
10. Organised **Sharing Drug Awareness Among Friends** on 15.02.2023.
11. Conducted the Anti-Drug Awareness Pamphlets distribution to the people in the nearby areas on 20.02.2023.
12. Organized **Human Chain** among the students on 21.02.2023.
13. Conducted an **Awareness Mime Programme** on 23.02.2023.
14. Conducted a **Silambam Demonstration** for promoting good mental health and stability among the students on 24.02.2023.
15. Conducted an **International Awareness Programme** on Drug Abuse Among Young People and Its Preventive Methods on 18.02.2023.
16. Conducted **Poster Making Competition** on Drug Abuse on 21.07.2023.
17. Conducted **A Pamphlet Distribution Campaign** In-Collaboration with Mar Ivanios College (Autonomous), Thiruvananthapuram, Kerala to

Raise Awareness About Drug Abuse in The Nearby Villages on 05.08.2023.

18. Conducted an **Awareness Talk on Signs - Symptoms & Prevention Methods of Drug Abuse** on 10.08.2023.
19. Conducted an **Awareness E-Quiz on Understanding the Dangers of Drug Abuse and It's Prevention Methods** on 14.09.2023.
20. Conducted **Drug Abuse Awareness Mini Marathon** Competition on 8.12.2023.

25. SPECIAL ADDRESS:

SL. NO.	DATE	ADDRESS	THEME / ORGANIZED BY
1.	07.08.2025	Felicitation	Hack Fusion '25 Job Fair Organised by PG Department of Computer Science, Institution's Innovation Council (IIC) & Placement Cell, J.A. College for Women (Autonomous). Periyakulam.
2.	13.08.2025	Presidential Address	Inter-National Webinar on 'Recent Trends in Chemistry (RTC-I-7)' organized by PG and Research Centre of Chemistry, J.A. College for Women (Autonomous). Periyakulam
3.	25.08.2025	Presidential Address	One day Workshop on 'njhy; nghUl;fSk; jkpoH njhopy; El;gq;fSk;' organized by PG and Research Centre of Tamil, J.A. College for Women (Autonomous). Periyakulam in collaboration with Sacred Heart College (Autonomous), Tirupathur.
4.	25.08.2025	Presidential Address	Worksop on 'Pure Essence' by B.Voc. Beauty Wellness, J.A. College for Women (Autonomous). Periyakulam
5.	26.08.2025	Presidential Address	'MATHATHON '25 Create – Connect – Conceive' organized PG and Research Centre of

			Mathematics, J.A. College for Women (Autonomous). Periyakulam
6.	29.08.2025	Presidential Address	'GUEST LECTURE' Organised by Department of Commerce with Computer Applications, J.A. College for Women (Autonomous). Periyakulam in collaboration with Arul Anandar College, Karumathur.
7.	02.09.2025	Presidential Address	'TECHCULTURA 2M25' Organised by PG Department of Computer Science, J.A. College for Women (Autonomous). Periyakulam.
8.	03.09.2025	Presidential Address	International Conference on 'Critical Horizons : From Classical Roots to Contemporary Global Frameworks'
9.	10.09.2025	Presidential Address	Seminar on 'Challenges of Early Adulthood & Stress Management' organized Counselling Cell, J.A. College for Women (Autonomous). Periyakulam.
10.	16.09.2025	Presidential Address	IT Galaxy '25 Organised by PG Department of Computer Science, J.A. College for Women (Autonomous). Periyakulam.
11.	24.09.2025	Presidential Address	National Seminar on "The Indian Constitution – The Soul of India" Organized by PG & Research Centre of History & St. Anne's Federal Assembly (JACSAFA), J.A. College for Women (Autonomous). Periyakulam.
12.	26.09.2025	Presidential Address	Seminar on "Integration of Chest Physiotherapi and Cough Evaluation in Respiratory Health" Organized by Department of HealthCare, J.A. College for Women (Autonomous). Periyakulam.

13.	10.11.2025	Presidential Address	“Njdp khtl;l Foe;ijfs; mwptpay; khehL – 2025” Sponsored by jkpo;ehL mwptpay; ,af;fk; organized by J.A. College for Women (Autonomous). Periyakulam.
14.	01.12.2025	Presidential Address	Internal Symposium on “Reimagining Literary Criticist in the Age of Digital Humanities” Organized by PG and Research Department of English, J.A. College for Women (Autonomous). Periyakulam & Collaboration with Gabriel Taborin College of Davao foundation, Philippines.
15.	05.12.2025	Presidential Address	‘JAC CARNIVAL 2025-2026’ on J.A. College for Women (Autonomous). Periyakulam.
16.	06.12.2025	Valedictory Address	‘JAC CARNIVAL 2025-2026’ on J.A. College for Women (Autonomous). Periyakulam.
17.	09.12.2025	Felicitation Address	“Genius Explore Mathematics (GEM – 2025) & National Mathematics Day Rally” Organised PG and Research Department of Mathematics.
18.	10.12.2025	Presidential Address	National Webinar on “Trends in Business 2025”, Organised by Department of Business Administration, J.A. College for Women (Autonomous). Periyakulam & in collaboration with Department of Management Studies, St. Berchman’s College, Kottayam, Kerala.
19.	11.12.2025	Inauguration Address	“COM CA Entrepreneur Day ‘25” organised by Department of Commerce with Computer Applications, J.A. College for Women (Autonomous). Periyakulam.
20.	12.12.2025	Presidential Address	International Webinar organized

			by PG & Research Centre of Zoology & Advanced Zoology and Biotechnology, J.A. College for Women (Autonomous). Periyakulam joined organized Multidisciplinary Approaches in Research for Sustainable Development.
21.	12.12.2025	Presidential Address	International Conference on “Recent Trends in Physics ‘ 25 (ICRTP ’25) organized by PG and Research Centre of Physics, J.A. College for Women (Autonomous). Periyakulam.
22.	17.12.2025	Presidential Address	fpwp];k]; rpwg;G gl;bkd;wk; “r%f Clfq;fshy; khztHfspd; epiy jpl;lkpl;l ghijah? jpir khwpa ghijah?” – Vw;ghL n[auh[; md;dghf;fpakk; kfspH jd;dhl;rp; fy;Y}hp> nghpaFsk; kw;Wk; ,ize;J elj;JgtH kfspH mikg;G kw;Wk; tphpthf;fj;Jiw.
23.	17.12.2025	Presidential Address	National Level Faculty Development Programme on “Indigenous Knowledge System” organized by PG and Research Centre of Commerce, J.A. College for Women (Autonomous). Periyakulam.
24.	19.12.2025	Presidential Address	“District Level Elocution Competition” Organized by National Service Scheme, Ministry of Youth Affairs & Sports and Viksit Bharat Youth Parliament, J.A. College for Women (Autonomous). Periyakulam.
25.	21.01.2026	Felicitation Address	“Achiever’s Day” organized by J.A. College for Women (Autonomous). Periyakulam.
26.	24.01.2026	Felicitation Address	“55 th Annual Sports Meet 2026” organized by J.A. College for Women (Autonomous). Periyakulam.

27.	28.01.2026	Presidential Address	National Seminar on “Recent Trends in Chemistry (RTC-11)” organized by PG and Research Centre of Chemistry, J.A. College for Women (Autonomous). Periyakulam.
28.	29.01.2026	Presidential Address	“COB-FEST – 2K26” organized by PG and Research Department of Commerce, J.A. College for Women (Autonomous). Periyakulam.
29.	10.02.2026	Inaugural Address	One day International Seminar on “Sustainable Digital Technologies (ISSDT’26)” organized by PG Department of English, J.A. College for Women (Autonomous). Periyakulam.
30.	10.02.2026	Inaugural Address	Inter-Collegiate Meet on “MUSE – 2026” organized by PG Department of English, J.A. College for Women (Autonomous). Periyakulam.
31.	11.02.2026	Presidential Address	“JACADAS FEST ‘25” organized by PG Department of Computer Science, J.A. College for Women (Autonomous). Periyakulam.
32.	11.02.2026	Presidential Address	Internal Conference on “Indigenous Identities and Subaltern Studies: A Comparative Perspective on India and Sri Lanka” organized by PG & Research Centre of History, J.A. College for Women (Autonomous). Periyakulam, In collaboration with Department of History, University of Jaffna, Sri Lanka.
33.	16.02.2026	Presidential Address	One day International Seminar on “Sustainable Digital Technologies (ISSDT’26)” organized by PG Department of Computer Science, J.A. College for Women (Autonomous). Periyakulam.

34.	17.02.2026	Presidential Address	“COM-TRADE FAIR 2K26” organized by PG and Research Department of Commerce, J.A. College for Women (Autonomous). Periyakulam.
35.	18.02.2026	Presidential Address	A National Level Virtual Tech-Symposium on “TECH NOVA ‘26” In Collaboration with Jesus and Mary College, New Delhi and organized by PG Department of Computer Science, J.A. College for Women (Autonomous). Periyakulam.
36.	24.02.2026	Presidential Address	FDP Programme on “Examination Reforms in Higher Education: Ensuring quality, Fairness and Transparency” organized by IQAC & Controller of Examinations, J.A. College for Women (Autonomous), Periyakulam.
37.	25.02.2026	Presidential Address	“School Outreach Programme” organized by Literary Association, J.A. College for Women (Autonomous), Periyakulam.
38.	26.02.2026	Presidential Address	National Webinar on “Technology – Driven finance for SGG Achievement” organized by Department of Commerce and Computer Applications, J.A. College for Women (Autonomous), Periyakulam.
39.	26.02.2026	Presidential Address	State Level Online Quiz on “Science and Technology for Sustainable Future” organized by Department of Advanced Zoology and Biotechnology & PG and Research Centre of Zoology, J.A. College for Women (Autonomous), Periyakulam.
40.	27.02.2026	Presidential Address	Exhibition Cum Competitions '26 Sponsored by Raman Research Foundation, organized by PG and Research Centre of Physics, J.A.

			College for Women (Autonomous), Periyakulam.
41.	05 th & 06.03.2026	Presidential Address	“TECHFiesta – 2K26” organized by Department of Computer Science, J.A. College for Women (Autonomous), Periyakulam.
42.	06.03.2026	Presidential Address	“People Education Programme organized by National Service Scheme, J.A. College for Women (Autonomous), Periyakulam, In collaboration with Khadi and Village Industries Commission, Madurai.
43	07.03.2026	Presidential Address	International Women’s Day on “Ignite & Inspire Awards” organized by Women Empowerment Cell & Alumnae Association, J.A. College for Women (Autonomous), Periyakulam.

26. ATTEND THE MEETING WITHIN THE COLLEGE

Date	Name of Programmes / Meetings	Venue
17.06.2025	Council Meeting	Principal's Office
17.07.2025	Council Meeting	Principal's Office
11.08.2025	Council Meeting	Principal's Office
03.09.2025	Council Meeting	Principal's Office
22.09.2025	Council Meeting	Principal's Office
15.10.2025	Council Meeting	Principal's Office