

Name	Dr. A. Antony Selvi
Qualification	M.Sc., M.Phil., Ph. D.,
Designation	Assistant Professor
Year of Joining	27.11.2023
Specialization	Plant Pharmacology and Molecular Biology
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Seminars/Workshops/FDP/ Conferences

Title of the Workshop/ Seminar/ FDP	Type	Paper Presented/ Participated	Title of the Paper	Organized By	Date
Frontiers in Biological Sciences -2025	International conference	Presented	Phytochemistry of Grewia species	School of life Sciences, Arignar Anna College, Krishnagiri	7 th Feb 2025
Emerging Trends in Biological Science	National Conference	Presented	Unveiling the healing power of Anti-inflammatory and Anti Pyretic benefits of Grewia Species	Department of Biotechnology, SRM Institute of Science and Technology, Tamil Nadu	6 th Sept. 2024
Skill Development Programme on Synthesis to Application: Nano in Medical field	National Conference	Participated	-	Department of Biotechnology, SRM Institute of Science and Technology, Tamil Nadu	12 th Sept. 2024
Webinar on Multi-Disciplinary Approaches in Research for Sustainable Development	International	Participated	-	Department of Zoology, Jayaraj Annapackiam College for Women, Theni	29 th August 2024

Awareness NPTEL	National Workshop	Participated	-	NPTEL, IIT Madras	13 th August 2024
National Seminar	National	Participated	Tackling Antibiotics Resistance by Bacteriophage Therapy	Department of Biotechnology, Institution's Innovation Council & Centre of Excellence in Life Sciences.	1 st March, 2024.
Webinar	National	Participated	Glimpse on Open Education Resources (OER) in conjunction with tutorial on ZOTERO: A Reference Management Tool.	Library Committee, St. Mary's College (Autonomous), Thoothukudi.	20 th March, 2024.
Faculty Development Programme	National	Participated	Seven days Upcoming FDP	Cluster Department of Life Sciences, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi.	21 st February to 27 th February, 2024.
Conference	International	Participated	Innovation in Science and Technology for Sustainable Development	Department of Science, Maharishi School of Science and Humanities, Lucknow.	21 st to 23 rd November, 2023.
Conference	International	Participated	Innovative Research in Biological Sciences	Research Department of Zoology, Pasumpon Muthuramalinga thevar College, Tirunelveli	9 th January, 2019.
Conference	National	Participated	Future Trends in Marine Biotechnology (FTMBT 2019)	Centre for Marine Science and Technology, Manonmaniam Sundarar University, Rajakkamangalam, Kanyakumari	14 th & 15 th February, 2019.

Conference	National	Participated	Emerging trends in Algae” (NCETA-2019)	Research Department of Botany, St. Xavier’s College (Autonomous), Palayamkottai	28 th & 29 th November, 2019.
Conference on Current trends in Biological Sciences	National	Paper Presented	<i>rbcl</i> sequencing based Molecular Phylogenetic investigations of four <i>Adiantum</i> species.	Department of Botany, St. Xavier’s College (Autonomous), Palayamkottai	13 th & 14 th March 2019.
Conference	International	Paper Presented	Ornamental flora diversity in Moruthoorkurichy Panchayath of Kanyakumari district	Department of Botany, Sri Sarada College for Women (Autonomous), Salem, Tamil Nadu.	6 th & 7 th February, 2019.
Seminar on Bioprospecting of Bioresources from sea	National	Paper Presented	Analysis of nutrients in eco-friendly vermicompost from Mango leaves by using <i>Lumbricus terrestris</i> and its impact on plant growth and production.	Department of Botany, Rani Anna Govt. College for Women, Tirunelveli	7 th & 8 th March, 2019.
Conference on Advanced materials and their applications	International	Paper Presented	Green synthesis of <i>Lygodium flexuosum</i> (L.) SW mediated metallic nanoparticles and their antibacterial efficacy	Department of Chemistry, V. O. Chidambaram College, Thoothukudi	13 th December, 2019.
Lecture on Recent Trends in Microbiology and Biotechnology	Workshop	Participated	-	Department of Botany, St. Xavier’s College, Palayamkottai.	4 th & 5 th December 2018
Seminar on Quality Research and Publications	Seminar	Participated	-	Centre for Research, Manonmaniam Sundaranar University	7 th December, 2019

Seminar on Biodiversity-Sustainable Management and Development	National	Poster Presented	Red data book: a key conservation tool for Biodiversity.	Department of Zoology, Sadakathullah Appa College (Autonomous), Tirunelveli	3 rd feb 2015
Conference on Recent Advances in Materials Research and its applications	International	Poster Presented	Green synthesis and characterization of silver nanoparticles using the leaf extracts of <i>Privacordifolia</i>	Department of Chemistry, St. Xavier's College, Palayamkottai	16 th December 2015

Papers Published

Paper Title	Author(s)	Journal	Year	Volume	Issue	Page No
Green Synthesis of Three Unique Nanoparticle from <i>Hibiscus Ficulneus</i> and Assessment of their Potential Antimicrobial Properties	A. Antony Selvi	Applied Biological Research (Web of Science)	2024	26	1`	1-5
Biosynthesis of Two Nanoparticles using <i>Ficus auriculata</i> Lour. Fresh fruit extract and their Antibacterial activity	A. Antony Selvi , G. S. Anantha Selvi and S. M. Prasad	Biological Forum – An International Journal (UGC CARE-I)	2023	15	5	1211-1217
Trading of medicinal plant products in Kovilpatti Taluk, Thoothukudi, South East Tamil Nadu, India	A. Antony Selvi , S. Prakash Shoba, P. Thenmozhil	International Journal of Biosciences (IJB) (Web of Science)	2023	23	1	18-32
Efficacy of Vermicompost on Growth and Biochemical parameters of <i>Vigna mungo</i> L	M. Karpaga jothi, A. Antony Selvi and V. Murugeshwari,	Journal of Emerging Technologies and Innovative Research	2022	9	1	34-47
Antimicrobial studies and GC-MS Analysis on Endocarp (Young) of <i>Borassus flabellifer</i> L.	R. Lakshmanan, B. Makesh Kumar, A. Antony Selvi ,	NOVIY MIR Research Journal	2022	7	1	34-47

Antimicrobial studies and GC-MS Analysis on Cucumber peel (<i>Cucumis sativus</i> L.).	R. Lakshmanan, B. Makesh Kumar, A. Antony Selvi and M. Vijayalakshmi	International Journal of Pharmacy and Biological Sciences	2022	12	1	121-132
Comparative pharmacognostical and Preliminary Phytochemical studies of four <i>Adiantum</i> Species of South India	A. Antony Selvi , S. Christopher Patrick Kiladi and T. Leon Stephan Raj	International Journal of Recent Research in Bio-sciences and Plant Biology	2021	1	1	1-6
Molecular phylogenetics of selected <i>adiantum</i> species using rbcL sequencing studie	A. Antony Selvi , S. Christopher Patrick Kiladi and T. Leon Stephan Raj	World Journal of Pharmaceutical and Life Sciences, Vol	2020	6	7	126-129
A comparative study of plant mediated synthesis of Silver, Copper and Zinc nanoparticles from <i>Tiliacora acuminata</i> (lam.) Hook. F. and their antibacterial activity studies	Vijayakumari J, Leon Stephan Raj T, Antony Selvi A , Raja Glenna and Raja	Journal of Nanoscience, Nanoengineering & Applications	2019	9	1	72-83
Ornamental floral diversity in Maruthoorkurichy Panchayath of Kanyakumari District, Tamil Nadu, India. Journal of Emerging Technologies and Innovative Research, 6(3): 292	RajaGlenna, Antony Selvi A and Leon Stephan Raj	Journal of Emerging Technologies and Innovative Research	2019	6	3	292-301.
Ethnobotanical study of Palayamchettikulam plains in Tirunelveli district, Tamil Nadu, India	Antony Selvi A and Leon Stephan Raj.T	Acta Biomedica Scientia,	2019	6	2	58-71
Diversity and distribution of tree species in state highway 90 of marthandam, Kanyakumari district, Tamil nadu. Acta	Raja Glenna, A. Antony Selvi and T. Leon Stephan Raj	Acta Biomedica Scientia.	2018	5	2	21-27

Green Synthesis and Characterization of Silver Nanoparticles of Leaf Extracts of <i>Priva cordifolia</i> (L. F.) Druce	R. Amster Regin Lawrence, T. Leon Stephan Raj, A. Antony Selvi	International Journal of Ecotoxicology and Ecobiology	2017	2	1	52-55
Green synthesis of Silver Nanoparticles using the leaf extract of <i>Micrococca mercurialis</i> . (L.) Benth. and its antibacterial Activity	T.Leon Stephan Raj, A. Antony Selvi , M. Antony Fency, P.Ramakrishnan	Research & Reviews: A Journal of Life Sciences	2015	1	3	21-26
Qualitative and quantitative analysis of phytoconstituents of <i>Micrococca mercurialis</i> . (L.) Benth.	T. Leon Stephan Raj, A. Antony Selvi , P. Ramakrishnan, M. Antony Fency, M. Vellakani and D. Vanila	American Journal of Biological and Pharmaceutical Research	2015	2	4	161-167

Patent Publication (Utility)

S. No	Title of the Invention	Patent Number
1	A Method for plant disease detection and classification using MI	202241067164
2	Active plant ingredients used for medicinal purposes	202241067177
3	Pharmacokinetics of Anthraquionones from medicinal plants	202241069481
4	Importance and uses of Medicinal Plants Ingredients on Human Health	202241075942

Patent Grant (Design)

S. No	Title of the Invention	Patent Number
1	Feeding Device For Deep Sea Aquaculture”.	388130-001
2	Insect Trapping Device”.	388134-001
3	Mulberry Field Silkworm Breeding Greenhouse System	394399-001
4	Earthworm Breeding Apparatus	394385-001
5	Apparatus For Aeroponically Growing and Developing Plants	394504-001
6	Pollen Trap with cleaning grid	407296-001

Indian Copyright filed

S. No	Title of the Invention	Copyright Number
1	A New pattern Developed from Plant Flowers (Grewia species)	5826/2023-CO/A
2	Pharmacognostic studies on <i>Grewia flavescens</i> and <i>Grewia rhamnifolia</i>	4445/2023-CO/L

Gene Sequence submission

S. No	Title of the Invention	Copyright Number
1	<i>Adiantum hispidulum</i> ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit (rbcL) gene, partial cds; chloroplast	OR916273.1
2	<i>Grewia flavescens</i> ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit (rbcL) gene, partial cds; chloroplast	OR738463.1

Online Faculty Development Program attended:

- Three Days International Faculty Development Program on “Smart Solutions in Civil Engineering” organized by the Department of Civil Engineering, SRM Institute of Science & Technology, Ramapuram, Chennai held on 21st July to 23rd July, 2020.
- Virtual Faculty Development Programme on “Teaching Pedagogies For Virtual Classrooms” organized by the PG & Research Department of Commerce, Vivekanandha College of Arts and Sciences for Women (Autonomous), Elayampalayam, Namakkal held on 25th to 31st May, 2021.
- Three Day Faculty Development Programme on “Plant Biology and Plant Biotechnology” organized by the Department of Plant Biology and Biotechnology, Ayya Nadar Janaki Ammal College, Sivakasi held on 23rd September - 25th September, 2021.
- Three Day Faculty Development Programme on “Management Perspective in Research, Technology, Empowerment” organized by the Department of Business Administration (SF) in association with IQAC, Ayya Nadar Janaki Ammal College, Sivakasi, held on 23rd November - 25th November, 2021.
- 7 Days National Level Virtual Faculty Development Program on “Big Data Analytics and Machine Learning” organized by the Department of Information Science and Engineering, East Point College of Engineering and Technology, Bengaluru held on 26th March to 1st April, 2022.

- One Week Online Faculty Development Programme on “Exploring New Frontiers in Chemical and Biological Science” organized by the Marine Star Centre, Department of Chemistry, St. Mary’s College (Autonomous), Thoothukudi, held on 31st January – 5th February, 2022.
- One week online Faculty Development Programmer on Life Science organized by cluster department of Life Sciences , Ayya Nadar Janaki Ammal College, Sivakasi from 21.02.2024 to 27.02.2024 under UGC –Autonomy Grant.
- Three days Faculty Development Programme on Exploring Biotechnology: Innovative Applications and Advancements, PG and Research Department of Zoology, St. Mary’s College (Autonomous), Thoothukudi. From 14. 2.2024 to 16.2.2024.
- Seven days Faculty Development Programme on Essential Skills for Professional Development in Higer Education, Rathinam College of Arts and Science, Coimbatore from 1.6.2024 to 7.6.2024

Awards

- Received **Best Professor Award** 2023 form Tamil Nadu Private Teachers forum, Trichy
- Received **Women Excellence Award** -2025 from Genesin of Educational Impressions, Uttarakhand, India.

App Development

- **BioTeck Desk** (2025) Online Dictionary for Biotechnology subject

Invited Radio Talk

- Talked on **Importance of Bamboo** in Pudhugai FM.91.2 MHZ on 27.9.2024
- Talked on **Values of Cotton** Pudhugai FM.91.2 MHZ on 14.10.2024

Book Publication

- **Biological Chemistry Biochemistry** – Sankalp-publication, Gaurav Path, Bilaspur, Chhattisgarh- ISBN:978-93-91173-56-2
- **Immunology and Microbiology**-Blue Duck Publications, Jammu and Kashmir, ISBN:978-93-93996-74-9
- **Allied Zoology** –INSTA Publishing, KG Marg, New Delhi, ISBN: (978-93-93336-06-4)

Book Chapter Publication (International)

- L. Archana Devi, **A. Antony Selvi**, (2022) **Education and E- Learning**, Current Trends in Multidisciplinary Research (Volume - 10)" Rubicon Publications (**England**).

- **A. Antony Selvi, L. Archana Devi, (2022) Environmental Education, Recent Advancement in Multidisciplinary and Current Sciences (Volume - 1)"Rubicon Publications (England).**

Book Chapter Publication (National)

- **A. Antony Selvi (2024)** Optimizing Nutritional quality in fired fish quality through AI Innovation, Dynamic Trends in Multi Domain Integration (Volume-2) "Author Click Publishing (India), **ISBN: 9788119369810**
- **A. Antony Selvi (2024)** Review on Developing Anti-viral drug with Saikosaponins : A Exploring Plant based treatment for (SARS- COV), Recent Advanced in Pharmaceutica; and Medicinal Sciences (Editon *5), Prime Publication (India), **ISBN:9788197895029.**
- **A.Antony Selvi (2025)** Optimizing fish farming as future importance and increasing possibilities of income to fish farmers, Aquaculture Prospects, Opportunities challenges, NIPA GENX ELECTRONIC Resources & Solutions, New Delhi, **ISBN:9789358878158**

Question Setter

- Question Setting in B. Sc Botany at Kamaraj College (Autonomous), Thoothukudi for the year 2024 – 2025.

Membership in Professional Societies/ Organization/ Institutions

- International Society for Salt Lake Research (**Member No: 172119**).
- Ocean Futures Society.
- External Committee member on MBSI Sponsored Two-Day Online Seminar.
- Associate member in International Society for Development and Sustainability (ISDS).
- Member of Hong Kong Chemical, Biological & Environmental Engineering Society (**Member No: 101925**).

Dr.A.ANTONY SELVI