

PROFILE



Name : Dr. Sr. M. Velankanny

Qualification : M.Sc., PGDCA., PGDCE., Ph.D.

Designation : Assistant Professor

Department : Zoology

Date of birth : 13.04.1990

Community : BC

Religion : RC Catholic

Marital status : Bachelor

Date of appointment : 03.07.2024

Teaching experience : Two Years

Field of Specialization : Entomology & Microbiology

Residential Address : St. Anne's Convent,
Jayaraj Annapackiam College Campus, Periyakulam,
Theni (Dt), - 625601
Tamilnadu, India

College Address : Jayaraj Annapackiam College for Women (Autonomous),
Periyakulam,
Theni (Dt) – 625601

Contact Number : 6380662020

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velasat22@gmail.com

ACADEMIC QUALIFICATIONS

S.No	Academic Qualifications	Institution Studied	University	Year of passing	Class / Merit obtained
1	SSLC	Fathima Matha High School, Chinnakanal, Munnar, Kerala.	Board of Secondary Education	2005	First Class
2	HSC	St. Agnes Girls Hr. Sec. School, Rayappanpetty.	Board of Higher Secondary Education	2007	First Class
3	B.Sc. Zoology	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.	Mother Teresa Women's University, Kodaikanal.	2015	First class with distinction
4	PGDCE	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.	Mother Teresa Women's University, Kodaikanal.	2015	First class with distinction
5	M.Sc. Zoology	St. Mary's College, Tuticorin.	Manonmaniam Sundaranar University, Tirunelveli.	2019	First class with distinction
6	PGDCA	Success Training Institute of Education, Tirunelveli.	Success Training Institute of Education, Tirunelveli.	2021	First Class with distinction
7	Ph.D. Zoology	St. Xavier's College, Palayamkottai, Tirunelveli.	Manonmaniam Sundaranar University, Tirunelveli.	2025	
	Title of Ph.D. Thesis	"Exploration of native isolates of entomopathogens for the management of cotton pests in southern districts of Tamil Nadu"			

LIST OF PUBLICATIONS

- 1. Velankanny, M., Selvaraj, P., Francis Borgio, J., Sherlin John, J and Princy Rathnamala Jayaseeli, J. 2022. “Bioefficacy of entomopathogenic fungi *Metarhizium anisopliae* (Metschn.) Sorokin against the cotton stainer, *Dysdercus cingulatus* (Fab.) (Hemiptera: Pyrrhocoridae)”. Journal of Biopesticides, 15(1): 59-72.**
- 2. Princy Rathnamala Jayaseeli, J., Selvaraj, P., Sherlin John, J. and Velankanny, M. 2022. “Phytochemical screening and pesticidal efficacy of phytoecdysteroid fraction of a fern *Pityrogramma calomelanos* (L.) Link against *Spodoptera litura* (Fabricius.)”. Journal of Biopesticides, 15(1):73-81.**
- 3. Velankanny, M., Selvaraj, P., Pushpanathan, T., Ravichandran, B., Francis Borgio, J., Princy Rathnamala Jayaseeli, J and Sherlin John, J. 2023. “Pathogenicity of native *Beauveria bassiana* (Balsamo Crivelli) Vuillemin isolate on *Dysdercus cingulatus* (Hemiptera: Pyrrhocoridae)”. Journal of Biopesticides, 16(1): 38-44. DOI:10.57182/jbiopestic.16.1.38-44**
- 4. Princy Rathnamala Jayaseeli, J., Selvaraj, P., Pushpanathan, T., Anbu Radhika, S., Sherlin John, J and Velankanny, M. 2023. “Role of *Pityrogramma calomelanos* (L.) Link in dietary and nutritional indices of *Spodoptera litura* (F.) (Lepidoptera: Noctuidae)”. Journal of Biopesticides, 16(1): 01-08. DOI:10.57182/jbiopestic.16.1.01-08**
- 5. Velankanny., M, and Mohamatha Zuwairiya, S. 2026. “Extraction and characterization of therapeutic potential of the ink and tissue extract of *Sepia brevimana* from the Gulf of Mannar”. Journal of JACJOSHAM, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.**
- 6. Velankanny., M, and Mohamatha Zuwairiya, S. 2026. “Extraction and characterization of therapeutic potential of the ink and tissue extract of *Doryteuthis singhalensis* from the Gulf of Mannar”. Journal of International Journal of Science, Strategic Management and Technology, 2 (4): DOI: 10.55041/ijst.v2i4.411**

BOOK PUBLICATION

1. Published the book entitled “**Fermented foods and beverages**” by Alpha International Publication. ISBN: 978-93-48151-40-7

BOOK CHAPTER PUBLICATIONS

1. **Dr. M. Velankanny**, 2025. “**IoT-Enabled Intelligent Vermicomposting for Sustainable Agriculture**” in Beyond the Wild Modern Insights in Zoology, pp. 206- 216. ISBN: 978-93-49618-03-9. DOI: 10.22192/bwmiz. 2025

2. **Dr. M. Velankanny**, 2025. “**Detection of Insect Count in Cultivated Fields Using IoT: Traditional Vs. Modern Methods**” in Beyond the Wild Modern Insights in Zoology, pp. 193 - 205. ISBN: 978-93-49618-03-9. DOI: 10.22192/bwmiz. 2025

CONFERENCE PROCEEDINGS

1. **Velankanny. M**, Selvaraj. P, Sherlin John. J. 2021. “**Exploration of native strains of *Metarhizium anisopliae* from cotton fields of Southern Tamil Nadu**”. In Proceedings of the “International Conference on Multidisciplinary Research (ICMR 2021)” organised by ESN Publications held on 26th and 27th November 2021 at Hotel Turyaa, Chennai.

2. **Velankanny. M**, Selvaraj. P, Sherlin John. J. 2022, “**Exploration of Entomopathogenic fungi *Beauveria bassiana* native isolates from cotton fields of Southern Tamil Nadu**”. In Proceedings of the ‘International Virtual Conference on Innovative Research in Humanity Science and Technology (VCIRHST - 2022)’ jointly organized by Selvam Arts and Science College (Autonomous), Namakkal, on 6th and 7th January 2022.

3. **Velankanny. M**, Selvaraj. P, Sherlin John. J. 2022, “**SEM study of local *Metarhizium anisopliae* isolate against *Dysdercus Cingulatus* from Tirunelveli**”. In Proceedings of the “International Conference on Recent Progress in Biological Sciences” organized by the Department of Zoology, Ayya Nadar Janaki Ammal College, Sivakasi, during 4th and 5th March 2022, sponsored by Department of Biotechnology (DBT), New Delhi.

4. **Velankanny. M**, Selvaraj. P, Sherlin John. J, Princy Rathnamala Jayaseeli. J. 2022. “**Bioefficacy of *Metarhizium anisopliae* against cotton mealybug *Phenacoccus solenopsis* Tinsley (Hemiptera: Pseudococcidae)**”. In Proceedings of the “International Conference on

Multidisciplinary Research and Innovation (AICMRI-2022)” organized by ESN publications held on 16th -18th December.

5. Velankanny. M, Selvaraj. P, 2023, “SEM study of local *Beauveria bassiana* (Balsamo-Crivelli) Vuillemin isolate against *Dysdercus cingulatus* (Hemiptera: Pyrrhocoridae) from Tirunelveli” In Proceedings of the “Annual International Conference on Recent Technology for Sustainable Development of Insects, Microbes & Health” on 10th March 2023, Organized by Centre for Insects, Molecular Studies & Environment Research (CIMSER), Department of Advanced Zoology and Biotechnology, Loyola College (Autonomous), Chennai - 34.

6. Velankanny. M, 2024, “Exploration of native isolates of *Beauveria bassiana* from cotton fields of southern districts of Tamil Nadu”. In Proceedings of the “National Seminar on “Interdisciplinary Trends in Life Sciences” organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women, Periyakulam on 25.09.2024.

7. Velankanny. M. 2026. “Isolation, characterization and therapeutic potential of bioactive compounds from ink and tissue of *Doryteuthis singhalensis* from the Gulf of Mannar”. In Proceedings of the “National Seminar on Recent Trends in Chemistry (RTC – 11) organized by the PG and Research center of chemistry, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 28th January, 2026.

PAPER PRESENTATIONS

1. Velankanny. M, Selvaraj. P, Sherlin John. J. 2021. “Exploration of native strains of *Metarhizium anisopliae* from cotton fields of Southern Tamil Nadu”. was presented at the International Conference on Multidisciplinary Research (ICMR 2021) organised by ESN Publications held on 26th and 27th November 2021 at Hotel Turyaa, Chennai.

2. Velankanny. M, Selvaraj. P, Sherlin John. J. 2022, “Exploration of Entomopathogenic fungi *Beauveria bassiana* native isolates from cotton fields of Southern Tamil Nadu” was presented at the International Virtual Conference on Innovative Research in Humanity, Science and Technology (VCIRHST - 2022) jointly organized by Selvam Arts and Science College (Autonomous), Namakkal, on 6th and 7th January 2022.

3. Velankanny. M, Selvaraj. P, Sherlin John. J. 2022, “SEM study of local *Metarhizium anisopliae* isolate against *Dysdercus Cingulatus* from Tirunelveli” was presented at the International Conference on Recent Progresses in Biological Sciences organized by the

Department of Zoology, Ayya Nadar Janaki Ammal College, Sivakasi during 4th and 5th March 2022, sponsored by Department of Biotechnology (DBT), New Delhi.

4. Velankanny. M, Selvaraj. P, Sherlin John. J, Princy Rathnamala Jayaseeli. J. 2022. **“Bioefficacy of *Metarhizium anisopliae* against cotton mealybug *Phenacoccus solenopsis* Tinsley (Hemiptera: Pseudococcidae)”**. was presented at the International Conference on Multidisciplinary Research and Innovation (AICMRI-2022) organized by ESN publications held on 16th -18th December.

5. Velankanny. M, Selvaraj. P, 2023, **“SEM study of local *Beauveria bassiana* (Balsamo-Crivelli) Vuillemin isolate against *Dysdercus cingulatus* (Hemiptera: Pyrrhocoridae) from Tirunelveli”** was presented in the Annual International Conference on Recent Technology for Sustainable Development of Insects, Microbes & Health on 10th March 2023, Organized by Centre for Insects, Molecular Studies & Environment Research (CIMSER), Department of Advanced Zoology and Biotechnology, Loyola College (Autonomous), Chennai-34.

6. Velankanny. M, 2024, **“Exploration of native isolates of *Beauveria bassiana* from cotton fields of southern districts of Tamil Nadu”** was presented at the National Seminar on “INTERDISCIPLINARY TRENDS IN LIFE SCIENCES” organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women, Periyakulam on 25.09.2024.

7. Velankanny. M. 2026. **“Isolation, characterization and therapeutic potential of bioactive compounds from ink and tissue of *Doryteuthis singhalensis* from the Gulf of Mannar”** was presented at the “National Seminar on Recent Trends in Chemistry (RTC – 11) organized by the PG and Research center of chemistry, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 28th January, 2026.

ACHIEVEMENTS

1. Participated in the World Record of 1 Hour 1500 Students 1500 Herbal Plant Cultivation to their House on 18th October, 2025, 4:30 pm to 5:30 pm. This **World Record was created to Plant trees for the freshness of Nature.** This World Record was organized by Principal & Staff, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, Tamil Nadu, India & SeVe Record Holder Forum, Puducherry, India.

GEN BANK SUBMISSION

S.no	Name of the Isolate	GenBank ID	Year
1	<i>Metarhizium anisopliae</i> - ERUMA001	OQ179949.1	05.01.2023
2	<i>Metarhizium anisopliae</i> - ERUMA002	OQ186751.1	06.01.2023
3	<i>Metarhizium anisopliae</i> - ERUMA003	OQ186753.1	06.01.2023
4	<i>Metarhizium anisopliae</i> - ERUMA004	OQ186755.1	06.01.2023
5	<i>Beauveria bassiana</i> - ERUBB001	OQ190062.1	06.01.2023
6	<i>Beauveria bassiana</i> - ERUBB002	OR150421.1	21.01.2023
7	<i>Beauveria bassiana</i> - ERUBB003	OR150422.1	21.01.2023

SEMINARS, CONFERENCES AND WEBINARS ATTENDED

1. Participated in the International conference on “**Vectors: Menace and Management - VECMAN 2020**”, organized by PG and Research Department of Zoology, St. Xavier’s College (Autonomous), Palayamkottai, on 28th and 29th January 2020.
2. Participated in the National level Webinar on “**Mental health in higher education and COVID-19**”, conducted by the Department of Educational Psychology, Tamil Nadu Teachers’ Education University, Chennai, on 2nd June 2020.
3. Participated in the National level Webinar on “**Women in Entrepreneurship**” organized by the Entrepreneurship Cell, Jayaraj Annapakiam College for Women (Autonomous), Periyakulam, on 15th June 2020.
4. Participated in the National level webinar on “**Zoology webinar series 2020**” organized by PG and Research Department of Zoology, St. Xavier’s College (Autonomous), Palayamkottai, on 23rd and 25th July 2020.
5. Participated in the Webinar on “**Innovation ideas for Research paper writing**” organized

by the Institution's Innovation Cell and the Merian Research forum, St. Mary's College (Autonomous), Thoothukudi, on 19th December 2020.

6. Participated in the International webinar on “**Recent Trends in Life Science**” organized by the PG and Research Centre of Zoology, Jeyaraj Annapackiam College for Women (Autonomous), Periyakulam, on 5th and 6th January 2021.

7. Participated in the Seminar on “**Research Dimension**” organized by the Internal Quality Assurance Cell (IQAC), St. Xavier's College (Autonomous), Palayamkottai - 627002, on 11th March 2021.

8. Participated in the International Conference on “**Recent Trends in Aquaculture (ICRTA – 2022)**” organized by the Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai - 627002, on 25th March 2022.

9. Participated in the Recent progress in “**Bioprospecting-derived Therapeutic Products**” organized by the Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai - 627002, on 12th and 13th January 2023.

10. Participated in the international webinar on “**Multidisciplinary Approaches in Research for Sustainable Development**” organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women, Periyakulam, on 29.08.2024.

11. Participated in the National level Seminar on “**INTERDISCIPLINARY TRENDS IN LIFE SCIENCES**” organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women, Periyakulam on 25.09.2024.

12. Participated in the international webinar on “**Recent Trends in Chemistry (RTC-1-7)**” organized by PG and Research Centre of Chemistry, Jayaraj Annapackiam College for Women, Periyakulam on 13th August, 2025.

13. Participated in the international webinar on “**Multidisciplinary Approaches in Research for Sustainable Development**” organized by PG and Research Centre of Zoology & Advanced Zoology and Biotechnology, Jayaraj Annapackiam College for Women, Periyakulam, on 12.12.2025.

WORKSHOP ATTENDED

1. Participated in the National level workshop on “**Research methodology Bootcamp-I**”, conducted by Xavier Institute of Business Administration, St. Xavier's College (Autonomous), Palayamkottai, on 12th October 2019.

2. Participated in the Workshop on “**Tips and Techniques of Writing Various Parts of a Research Paper**” organized by Kaneko Library & IQAC, Soka Ikeda College of Arts and Science for Women, Chennai, on 07.06.2021.
3. Participated in the International Online Workshop on “**Data Analysis using Excel and AI Tools**” from September 14.09.2024, to 16.09.2024, organized by Global Institute of Statistics Solutions (GISS).
4. Participated in the National-level E - Workshop for faculty on “**How to improve Academic Performance Indicator (API) score**” organized by A.C.T Academy, Kerala, on 11.08.2025.
5. Participated in the two-day’ Workshop on “**Advancing Holistic Excellence: Leadership in Whole Person Education**” organized by the Internal Quality Assurance Cell, Jayaraj Annapackiam College for Women, Periyakulam, funded by the United Board, held at Kodaikanal on 09th & 10th September, 2025.

FACULTY INDUCTION PROGRAMME

1. Participated in the UGC Sponsored **Faculty Induction Programme** conducted by NEP 2020 Orientation & Sansitization Programme under **Malavya Mission Teacher Training Programme (MM -TTP) of University Grants Commission (UGC)**, organized by the Gandhigram Rural Institute - DTBU, Gandhigram from 05.01.2026 - 13.01.2026.

FACULTY DEVELOPMENT PROGRAMME

1. Participated in the Faculty Development Programme on “**What, Why, and How of Patents**” Organized by the Department of Biotechnology Under the DBT Star College Scheme, V.V.Vanniaperumal College for Women (Autonomous), Virudhunagar, on 14.02.2022.
2. Participated in the faculty development programme on “**Research metrics and the publication process in Scopus-indexed journals**” organized by Bonhoure Centre for Research of St.Xavier’s College of Education (Autonomous), Palayamkottai, on October 26, 2024.
3. Participated in the faculty development programme on “**Serene Minds, Successful Lives: The Key to Emotional Well-Being**” organized by the PG Research Department of Rehabilitation Science, Holy Cross College, Trichy, from 07.04.2025 to 11.04.2025.
4. Participated in the faculty development programme on “**Empowering Faculty Through Whole Person Education: Fostering Teaching Skills, Wellness and Women’s Leadership**” organized by St.Christopher College of Education at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam from 10.04.2025 to 12.04.2025.

5. Participated in the faculty development programme on “**Publish your Practice 2025**” organized by MCC Research Colloquium of Madras Christian College (Autonomous), Chennai, from 22.04.2025 to 26.04.2025.
6. Participated in the faculty development programme on “**Binary Accreditation & Usage of AI**” organized by IQAC of St. Mary’s Centenary Degree College, Secunderabad, Telangana, from 2nd to 6th June 2025.
7. Participated in the International FDP on “**Harnessing Generative AI: Smart Tools for Teaching, Learning, Evaluation & Research**” organized by the Department of Computer Science, St. Joseph’s College (Autonomous), Trichy, from 7 -11 July 2025.
8. Participated in the five days national level FDP on “**Technology Driven Teaching Pedagogy**” organized by the Department of Computer Application, Bon Secours College for Women (Autonomous), Thanjavur in collaboration with ACT Academy, Kerala, from 12.08.2025 to 16.08.2025.
9. Participated in the five days national level FDP on “**A Roadmap to Ethical Governance and Excellence in Higher Education Institutions**” organized by the PG and Research Department of Mathematics and the Department of Computer Application, Jayaraj Annapackiam College for Women, Periyakulam, in Collaboration with ACT Academy Tamil Nadu Unit, from 08.10.2025 to 12.10.2025.
10. Participated in the five-day national-level FDP on “**Frontiers in Applied Bioscience and Research Innovation**” organized by the PG and Research Department of Zoology, St. Mary’s College (Autonomous), Thoothukudi, from 9th to 13th March 2026.

SHORT-TERM COURSE

1. Participated in the Indian Knowledge System-based National-level five-day short-term course on “**Bhartiya Knowledge System: Concepts and Application**” organized by the School of Arts and Humanities, Kerala, from 10.08.2025 to 14.08.2025.
2. Participated in the Indian Knowledge System-based ten-day National-level short-term Training Programme (STTP) on “**Vedic Mathematics: Techniques and Application**” organized by PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women, Periyakulam, from 04.08.2025 to 14.08.2025.
3. Participated in the seven-day National-level short-term training programme on “**Reimagining Classrooms: Innovative Pedagogies for Engaged and Outcome-Based Learning**” held from 5th November 2025 to 12th November 2025, organized by the PG

Department of Computer Science, Jayaraj Annapackiam College for Women, Periyakulam, and
Department of Computer Science, Teresian College, Mysuru.

RESOURCE PERSON

- 1.** Served as a Jury member for the competition “**A CAPPELLA**” in JAC FEST – O – BEATS 2024 – 2025, organized by the Fine Arts of JAC on 6.12.2024 and 7.12.2024.
- 2.** Served as a resource person in the internship training programme on “**Edible Mushroom Cultivation and Entrepreneurship Skills Development**” organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women, Periyakulam from 02.06.2025 to 07.06.2025.
- 3.** Served as a resource person in the NSS Camp on the topic “**Mushroom Cultivation**” organized by the Unit 13 of NSS on 15.11.2025.
- 4.** Served as a resource person in the NSS Camp on the topic “**Baking Cake**” organized by the Unit 13 of NSS on 15.11.2025.

EXTERNAL EXAMINER

- 1.** Served as an External Examiner for the UG – Practical Examinations in the **Department of Health Care**, Jayaraj Annapackiam College for Women, Periyakulam, on 16.10.2025.
- 2.** Served as an External Examiner for the UG – Practical Examinations in the **Department of Health Care**, Jayaraj Annapackiam College for Women, Periyakulam, on 6.04.2026.

OUTREACH PROGRAMMES ATTENDED

- 1.** Participated in the International quiz programme on “**COVID-19 protection and prevention**” organized by Eco club, Arignar Anna Govt Arts and Science College Karaikal. U.T of Puducherry, India, on 10-02-2021.
- 2.** Participated in the “**Corona Awareness E-quiz**”, 2021, organized by the Department of Business Administration, Manonmaniam Sundaranar University College, Sankarankovil.
- 3.** Participated in the E- Quiz on entrepreneurship “**High flyers**” organized by the Department of Business Administration, St. Mary’s College (Autonomous), Thoothukudi, on 06-09-2021.
- 4.** Participated in the National level “**Intellectual Property Awareness Mission (NIPAM)**” organized by St. Xavier’s College (Autonomous), Palayamkottai - 627002, on 28th October 2022.

5. Participated in the “**Campus Bird Count Jayaraj Annapackiam College for Women, Periyakulam**” organized by BIRD COUNT INDIA, Mittal Gala and Ashwin Viswanathan, Bird Count India on 14 – 17 February 2025.

PROGRAMMES ORGANISED

1. Organized an International Webinar on “**Multidisciplinary Approaches in Research for Sustainable Development**” organized by PG & Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 12th December, 2025.
2. Organized an International Guest Lecture on “**Sustainable Living for Environmental Conservation**” organized by PG & Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 11th February, 2026.

DETAILS OF THE QUESTION PAPER SETTER

YEAR	NAME OF THE INSTITUTION	PROGRAMME PG/UG
2026	A.V.C College (Autonomous) Mannampandal, Mayiladuthurai	UG

B.Sc., DISSERTATIONS GUIDED

S.NO	MONTH & YEAR	R.NO	TITLE
1	April - 2026	23JUZOR10 23JUZOR11 23JUZOR12 23JUZOR15 23JUZOR16	Waste Management Practices at Jayaraj Annapackiam College Campus

M.Sc., DISSERTATIONS GUIDED

S.NO	MONTH & YEAR	R.NO	TITLE
1	April - 2025	23JPZOR10	Extraction and characterization of the therapeutic potential of the ink and tissue extract of <i>Sepia brevimana</i> and <i>Doryteuthis singhalensis</i> from the Gulf of Mannar

2	April - 2026	24JPZOR11	Assessment of Antimicrobial and Biopesticidal Potential of <i>Cymbopogon citratus</i>
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DETAILS OF VARIOUS POSITIONS HELD AT COLLEGE

S.NO	YEAR	COMMITTEE	POSITION
1	2024 - 2025	Entrepreneurship Cell, Eco Club, Avian Club, IIC	Member
2	2025 - 2026	Entrepreneurship Cell	Institution Mentor
		Avian Club, IIC	Member