

## FACULTY PROFILE

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6. Teaching Experience: 23Yrs8 months
7. Area of specialization: Arachnology, Physiology and Environmental Biology
8. Positions Held in Auxilium: Dean of Science, Cultural committee member, Examiners, Chief, Career Guidance and Placement Cell In charge. Academic Council Member, IQAC Coordinator, Head i/c PG.
9. Research Experience and Guidance:14yrs
10. Projects Completed/ Ongoing:1completed
11. No. of Papers Published:14
12. No. of Papers Presented in the National/International/Seminars/Workshops/Conferences:4
13. No.of Seminars/Workshops/Conferences organized: 6Conferences, 2Webinars, 1youth exchange programme.
14. No.of Books Published/Edited/Co-edited: 9Course manuals and1book
15. Membership in professional bodies: TNSF, NSF
16. Honors & awards received: Fellow Of NSF 2023
17. No.of Online Courses completed(Minimumof4 Weeks):1
18. AnyOther: Completed Lead Auditor Exam, ISO 14001:2015 and ISO 9000:2015 Auditor

### **PUBLICATIONS:**

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[Web of Science: JEP-7951-2023](https://www.researchgate.net/publication/358795123)

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<https://scholar.google.com/citations?user=BQ7YckoAAAAJ&hl=en>

1. Sr P.V. Marice and A Mary Agnes. Influence of light on spatial orientation and web construction of *Cryptophora citricola* (Araneae, Araenidae). Journal of Ecobiology, an international journal of Palani Paramount Publication, Palani, India. Vol.27.2010.

2.Dr. A Mary Agnes Structure, construction and protein profile of the web and egg case, of *Argiope pulchella* (Araneae: Araneidae). Scientific Transactions in Environment and

Technovation. 5(2). 2011.77-81.

3. Dr. J.S. Arockiamary, A Mary Agnes and Vimala. Studies on the effect of botanical supplementation on the economic characters of Mulberry silkworm. International Conference on Impact of Physical Sciences on Biology, Department of Botany, Queen Mary's College, Chennai. 7th -9th July 2011.

4. Dr. J.S. Arockiamary, A Mary Agnes and Vimala, Impact of botanical supplements on silkworm *Bombyx mori* L. Zoology for future education and research (2015) 1-9., Zoological Survey of India. 1-9., Zoological Survey of India. 2015. ISBN NO. 978-81-8171-427-5.

5. Dr. A Mary Agnes, Biodiversity In Kurunthogai And Agananooru, Central Institute of classical Tamil and Dept. of Tamil & Zoology, Auxilium College, Vellore. 23-25.02.2015.

6. Dr. A. Mary Agnes and Dr. A. Sen Ultrastructural and Electrophysiological study of the sensilla on the pedipalps and forelegs of *Oxyopes rufisternum* (Araneae: Oxyopidae) International journal of Pharma and Bio Sciences. Apr:8(2):(B)2017, 59-65. UGC0975-6299.

7. Sindhuja. G, Rebecca Vinolia, A.F Philomina, Dr. A. Mary Agnes, Qualitative analysis of ethanol and chloroform extract of selected medicinal plant. International Journal of Creative Research Thoughts (IJCRT). Vol 9:2021. d419 -d424 UGC ISBN: 2320 – 2880.

8. Sindhuja. G, Rebecca Vinolia, A.F Philomina, Yasmin M, Dr. A. Mary Agnes, Phytochemical Screening of Ethanol Extract of *Eugenia Jambolana* Lam. Annals of the Romanian Society for Cell Biology. Vol 24, Issue 1 2020, 1559-1573 ISBN:1583-6258.

9. A.F Philomina, Dr. A. Mary Agnes, Rebecca Vinolia, Sindhuja. G, Yasmin. M, Extraction and estimation of proteins of selected medicinal plants using Bradford's method. International Journal of Creative Research Thoughts (IJCRT), Vol 10, 2022, c 569-571, ISBN:2320-2880.

10. Rebecca Vinolia, Sindhuja. G, Philomina A.F, Yasmin. M, Dr. A. Mary Agnes A, Preliminary study on the diversity of bacterial community in the gut of spider *Gasteracantha geminata* Fabricius 1798. International Journal of Creative Research Thoughts (IJCRT). Vol 10 2022, c157-161, ISBN:2320-2880.

11. Sindhuja. G, Dr. A. Mary Agnes, A.F Philomina, Yasmin. M, Quantitative analysis of selected medicinal plants using ethanol extract. European Journal of Chemical Bulletin, Vol 12 part A, 2023, 2247-2254, ISBN: 2063-5346.

12. Sindhuja. G, Dr. A. Mary Agnes, Phytochemical compounds from the ethanolic extract of *Gymnema sylvestre*, *Senna auriculata* and *Cissus quadrangularis* through GC-MS analysis. Mass spectrometry letters, Vol 14, 2023, 25-35, ISBN:2233-4203 .

13. Rebecca Vinolia and Dr. A. Mary Agnes, A Preliminary study on the spiders Diversity found in Auxilium College (Autonomous ) Camps, Tamil Nadu, India, Pak Heart J- ISSN : 0048-2706- E- ISSN: 2227-9199, 2023, Vol 56(03), pp 657-664.

14. Rebecca Vinolia and Dr. A. Mary Agnes, Diversity of Bacterial Community in the Gut of Spider-*Peucetia viridana*, Research Journal of Medical Science, ISSN : 1993-6095, 2023, Vol 17, pp 45-53.

#### **PAPERS PRESENTED:**

1. Dr. A. Mary Agnes *Oxyopes rufisternum*- a potential biological control agent. Review Paper Published In the proceedings of Invertebrate Zoology Meet. Dec. 4th & 5th 2009.

2. Dr. A. Mary Agnes Spider web - structure, construction and amino acid contents in *Argiope pulcella* (Araneae : Argiopidae ).Paper Published In the proceedings & Awarded Best paper in Invertebrate Zoology Meet.Dec. 4th & 5th 2009.
3. Dr. A. Mary Agnes, Ethnozoology as detailed in Ancient Tamil Literature with special reference to Kurunthogai and Agananuroo. Abstract Submitted for Thamizh Chemmozhi Manadu.01/28/2010.
4. Sindhuja. G,Dr. A. Mary Agnes, Gas Chromatography -mass spectrometry analysis of Ethanol extract of *Eugenia jambolaba*. Proceedings of 1st International Conference on EMMA -2021, 24 to 26 December 2021,Vol 1, 2021, 91. International Journal of System Design and Informtion Processing, (SDIP), ISSN:2319-9288.
5. Sindhuja. G, Dr. A. Mary Agnes, Gas Chromatography-Mass spectrometry analysis of ethanol extract of *Gymnema sylvestre*. Biotechnology effective approach in science and technology " BEAST"-2022, Vol 1, 2022, 22, ISBN:978-81-960632-2-1.
- 6.Philomina A.F, Dr. A. Mary Agnes, Protease Enzyme inhibitory assay od selected medicinal plants Biotechnology effective approach in science and technology " BEAST"-2022, Vol 1, 2022, 23, ISBN:978-81-960632-2-1
7. Yasmin.M,Dr. A. Mary Agnes, Green synthesis od selenium nanoparticles using the leaf extract of *Ocimum tenuiflorum*. Biotechnology effective approach in science and techology " BEAST"-2022 ,Vol 1, 2022, 46, ISBN:978-81-960632-2-1.
8. Yasmin.M, Dr. A. Mary Agnes, Green synthesis of zinc oxide nanoparticles using the leaf extract of *Ocimum tenuiflorum*. Annamalai University, Chidambaram, Innovative Technologies and its application in higher education-engineering. 17-19 October 2022, First Edition, November 2022, 300, ISBN:978-93-92042-32-4.
9. Rebecca Vinolia,Dr. A. Mary Agnes, Microbiota study of *Gasteracantha geminata* Fabricius1798, International virtual conference on applied biology for sustainable development. Sri Parashakthi College for women, Kutralam , Tamilnadu, PG department of Zoology research centre, in collaboration with Sri Paramakalyani center of Excellence in Environmental Science Manonmaniam Sundaranar University,Alwarkurichi ,Tamilnadu.21st and 22nd March2022.75.
10. Rebecca Vinolia, Dr.A. Mary Agnes, Microbiota study of *Oxyopes shweta*. International Conference on Recent Technology for sustainable Development of Insects, Microbes and Health Organised by Center for Insect Molecular studies and environmental Research PG & Research Department of Advanced Zoology and Biotechnology,Loyola College Autonomous, Chennai-34.9th and 10th March 2023, 106.