

PROFILE



Name : **Dr.I.GEETHA**
Designation : **Assistant Professor**
Department : **PG & Research Centre of Zoology**
Date of Birth : **12.05.1988**
Date of Appointment : **19.06.2019**

Contact Details : **185-1-8, Ayyavu Street**
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ACADEMIC QUALIFICATIONS

| COURSE | SUBJECT | INSTITUTION | UNIVERSITY | YEAR OF PASSING | % OF MARKS |
|------------------------|-----------------|--|--|------------------------|-------------------|
| Ph.D | Zoology | Jayaraj Annapackiam College for Women (A), Periyakulam | Mother Teresa Womens University, Kodaikanal. | 2020 | - |
| Junior Research Fellow | Fish Immunology | Jayaraj Annapackiam College for Women (A), Periyakulam | Mother Teresa Womens University, Kodaikanal | 2011-2014 | - |

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|------|------------------------------|-------------------------------------|--|------|------|
| SET | Life Sciences | - | Bharathiar University, Coimbatore | 2012 | - |
| M.Sc | Zoology (Spl. Biotechnology) | The American College, Madurai | Madurai Kamaraj University | 2011 | 73.7 |
| B.Ed | Biological Science | C.S.I.College of Education, Madurai | Tamil Nadu Teachers Education University | 2009 | 73 |
| B.Sc | Zoology (Spl. Biotechnology) | Lady Doak College, Madurai | Madurai Kamaraj University | 2008 | 67 |

AREA OF RESEARCH: Fish Immunology

TITLE OF THE PH.D THESIS: *Andrographis paniculata* as potential immunostimulant in *Cyprinus carpio* against *Aeromonas hydrophila* infection.

NAME OF THE RESEARCH SUPERVISOR: Dr. S. Catherine. P. Alexander.

Associate Professor

PG & Research Centre of Zoology
Jayaraj Annapackim College for
Women (A), Periyakulam.

AREA OF SPECIALIZATION/ INTEREST : Immunology

SEMINAR / WEBINAR ATTENDED:

| S.No | Title of the seminar/webinar/conference/workshop/training programme | Place | Date | International/National/State level |
|------|---|---|--|------------------------------------|
| 1 | Seminar on Emerging Trend in Current Environmental Issues | PG & Research Centre of Zoology, Jayaraj Annapackiam College for Women(A), Periyakulam. | 11 th & 12 th December, 2019 | National |

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| 2 | Five Day Online Internship Training Programme on “HOLISTIC DEVELOPMENT” | Department of Physical Education, Arulmigu Palaniandavar Arts College for Women, Palani | 12 th to 16 th May 2020 | National |
| 3 | Two days national seminar “Faculty Development Program 2.0” | North Storm Academy | 13 th and 14 th May 2020 | National |
| 4 | General Biology Quiz | PG & Research Department of Advanced Zoology and Biotechnology, Guru Nanak College, Chennai. | 6 th May 2020 | Natioanal |
| 5 | E-Quiz on Covid-19 Awareness, Diagnosis & Prevention | Department of Zoology, Muqyyath Sha Sirguro Wakf Board College, Madurai. | 18 th - 20 th May,2020 | International |
| 6 | Online Quiz on COVID-19 | Spina College of Engineering &Technology. | 1 st May 2020 | National |
| 7 | Webinar on “COVID-19 VACCINE DEVELOPMENT | Department of Microbiology, Ayya Nadar Janaki Ammal College, Sivakasi. | 15 th May, 2020 | International |
| 8 | Vermiculture and Vermicompost Technology | Arulmigu Palaniandavar Arts College for Women, Palani. | 11th-13th May, 2020 | |
| 9 | Webinar on “Outcome Based Education | IQAC, Jayaraj Annapackiam College for Women, Periyakulam. | 22 nd May to 29 th May 2020 | National |
| 10 | Webinar on “Biodiversity” | PG & Research Department of Zoology, The American College, Madurai. | 22 nd May 2020 | International |
| 11 | Quiz | PG & Research Department of Microbiology, Vivekanandha college of Arts and Science for Women, Tiruchengode. | 25 th May 2020 | National |
| 12 | Webinar on Career Opportunities in | School of Chemical and Biotechnology, | 2 nd May 2020 | National |

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| | Science | SASTRA Deemed to be Univerasity. | | |
| 13 | Webinar on Taking Research Forward During the Pandemic | Loyola Institute of Frontier Energy (LIFE), Loyola College, Chennai. | 20 th May 2020 | National |
| 14 | Webinar on History of Covid 19 Pandemic | PG & Research Centre of History, Jayaraj Annapackiam College for Women (A), Periyakulam. | 22 nd May 2020 | National |
| 15 | Webinar on Free Statistical Tool for Research Data Analysis and Research Publication with Special Reference to Citation, Impact Factor and h Index | Jayaraj Annapackiam College for Women (A), Periyakulam. | 1 st and 2 nd June 2020 | Natioanl |
| 16 | Webinar on Brief Perspectives of Nanotechnology- Biosynthesis and Bio-application of Nanoparticles | Jayaraj Annapackiam College for Women (A), Periyakulam | | International |
| 17 | Recent Trends in Life Sciences | PG & Research Centre of Zoology, Jayaraj Annapackiam College for Women(A), Periyakulam. | 5 th and 6 th January 2021 | International |
| 18 | Webinar on “Creation of Academic Accounts | Library, Jayaraj Annapackiam College for Women (A), Periyakulam. | 18 th March, 2021 | State |
| 19 | Webinar on “Honey Bee: Hope for Life” on account of World Entrepreneur day | PG and Research Centre of Zoology, Start up Programme – Apiculture and Institutional Innovation Council (IIC), Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 2277 th 27 th August, 2021 | National |
| 20 | Webinar on “Recent Trends in Life Sciences – Phase II” | PG and Research Centre of Zoology, Jayaraj Annapackiam | 1 st September, 2021 | International |

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| | | College for Women (Autonomous), Periyakulam | | |
| 21 | Webinar on “Fit India – 2021 | NCC, NSS & Physical Education, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 15 th September, 2021 | Natioanal |
| 22 | Webinar on “READ & LEAD” | Library, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 29 th September, 2021 | Natioanal |
| 23 | Hands – on Training on ‘Mushroom Fortified Bakery Products Preparation’ | PG and Research Centre of Zoology, Start Up Programme – Mushroom Culture and Institutional Innovation Council (IIC), Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 15 th December, 2021 | State |
| 24 | Webinar on ‘Thirukuralin Sirappukal | NSS, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 15 th January, 2022. | State |
| 25 | Workshop on “Interactive E-Content Development | PG Department of Computer Science, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 21 st & 22 nd January, 2022. | State |
| 26 | Training programme on “Creating Dynamic Women | National Service Scheme of Jayaraj Annapackiam College for Women(A), Periyakulam. | 9 th March to 11 th March 2022 | State |
| 27 | Faculty Development Programme (Online) on “The Nuances of Scientific Writing and Publishing | All Indian Association for Christian Higher Education, New Delhi & Madras Christian College (Autonomous), Chennai | 11 th to 19 th July, 2022. | National |
| 28 | Conference on “Life Science Research and Intellectual Property | PG and Research Centre of Zoology, Jayaraj Annapackiam | 19 th and 20 th September, 2022 | International |

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| | Rights | College for Women (Autonomous), Periyakulam, St. Joseph's College for Women, Alappuzha, Kerala and Inter University Centre for IPR Studies, CUSAT, Kochi, Kerala | | |
| 29 | Webinar on IP Awareness/Training Program under National Intellectual Property Awareness Mission | PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam in collaboration with St. Joseph's College for Women, Alappuzha, Kerala and Inter University Centre for IPR Studies, CUSAT, Kochi, Kerala | 20th September, 2022. | National |
| 30 | Workshop on "Organic Farming and Bio Dynamic Composting | PG and Research Centre of Zoology in collaboration with Eco club, Waste water management and Green Campus, Institution Innovation Council (IIC), Jayaraj Annapackiam College for Women (Autonomous), Periyakulam and Naandhi Foundation, Mahindra Institution, Guindy, Chennai. | 19th to 21st December, 2022 | State |
| 31 | Online workshop on "Video Editing tools | Jayaraj Annapackiam College for women, Periyakulam | 20.09.2023. | National |
| 32 | Webinar on Inter Disciplinary Approaches in Biology | PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam in collaboration with Department of Zoology, Christ College, Irinjalakuda, Kerala | 06.12.2023 | National |

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| 33 | Faculty development programme (FDP) on “Data Analysis Through SPSS & EViews Software | Hi Learn Edutech Institute, Bijapur/Vijayapur, Karnataka | 27.06.2024-03.07.2024. | National |
| 34 | Online workshop on “Patent Filing & Basic Drafting | DELTA (Dextrous Exploratory & Literary Training Academy) | 30.07.2024 | National |
| 35 | Online faculty development programme (FDP) on “How to write & publish research papers” | Hi Learn Edutech Institute, Bijapur/Vijayapur, Karnataka, | 11.07.2024-17.07.2024 | National |
| 36 | Webinar on “Multidisciplinary Approaches in Research for Sustainable Development” | PG & Research Centre of Zoology, Jayarj Annapackiam College for Women (Autonomous), Periyakulam | 29 th August, 2024. | International |
| 37 | Seminar on “Interdisciplinary Trends in Life Sciences” | PG & Research Centre of Zoology, Jayarj Annapackiam College for Women (Autonomous), Periyakulam | 25th September, 2024 | National |
| 38 | Conference on “Interdisciplinary Perspectives of Nanomaterials’24 (ICIPN’24)” | PG & Research Centre of Physics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 18 th December, 2024. | International |
| 39 | Online training programme on “Thesis Writing: A Practical Guide to Lyx, JabRef, Mendeley & plagiarism Reduction | Hi Learn Edutech Institute, Karnataka | 1 st , January, 2025. | National |
| 40 | Online Faculty Development Programme (30hours) on “ The Art of Publishing Articles in Indexed Journals | Madras Christian College (MCC) Research Colloquium, Chennai | 12 th to 19 th February, 2025. | National |
| 41 | Webinar on “ Multidisciplinary | PG & Research Centre of Zoology and | 12 th December, 2025 | International |

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| | Approaches in Research for Sustainable Development' | Advanced Zoology and Biotechnology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | | |
| 42 | Online Faculty Development Programme (6 Days) on “ Pathways to publications: Tools and Techniques for Indexed Journals’ | Madras Christian College (MCC) Research Colloquium, Chennai | 9 th – 14 th February, 2026 | National |

WEBINAR / SEMINAR/ WORKSHOP ORGANIZED:

- Organized an E Quiz on General Knowledge on 16.03.2021 by Library, Jayaraj Annapackiam College for Women (A), Periyakulam.
- Organized a three day free workshop on “Organic Farming and Bio-Dynamic Composting” from 19th to 21st December, 2022 by PG and Research Centre of Zoology in collaboration with Eco club, Waste water management and Green Campus, Institution Innovation Council (IIC), Jayaraj Annapackiam College for Women (Autonomous), Periyakulam and Naandhi Foundation, Mahindra wInstitution, Guindy, Chennai.
- Organized an State Level Intercollegiate meet “JAC BIOS FIESTA – 2024” on 11th January, 2024.
- Organized an one month free online live TNPSC coaching from 02.05.2024-31.05.2024 by JAC Minority Cell in collaboration with Thinnai Manith Valla Membattu Arakkattalai, Theni.
- Organized an International Webinar on “Multidisciplinary Approaches in Research for Sustainable DeveResearch for Sustainable Development” organized by PG & Research Centre of Zoology, Jayarj Annapackiam College for Women (Autonomous), Periyakulam on 29th August, 2024.

RESOURCE PERSON:

- Served as a resource person in International conference organized by Jayaraj Annapackiam College for Women (A) on Preparation of UGC NET Paper I on 28.09.19.
- Served as a resource person in the IQAC organized Faculty Development Programme on “Preparation of UGC-NET Paper I” on 31.10.2019 at Cardamom Planters Association College, Bodinayakanur, Theni District. Tamil Nadu.
- Served as a resource person in National Service Scheme and Eco club organized an awareness programme on “ Banning of Plastic Usage” at Jayaraj

Annapackiam College for Women (Autonomous), Periyakulam on 4th May, 2022.

- Served as a resource person in : Mushroom Cultivation and Training” programme organized by PG & Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam in collaboration with Tamil Nadu State Council for Science and Technology (TNSCST) on 20th July, 2022.
- Served as a resource person in the “Inservice training to science teachers” catalyzed Supported by Tamil Nadu State Council for Science and TechnolTechnology”, Chennai organized by PG & Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 04,05,06, 08 &09.01.2024.

PAPER PUBLICATIONS:

- I Geetha and Catherine P. Alexander S. Applications of herbal immunostimulants in aquaculture: An Review, JAC Journal of Science, Humanities and Management, Vol.9, No.1, December, 2021. ISSN: 2347 - 9868.
- Sivaranjani K and Geetha I. Evaluation of phytochemical and antibacterial activity of *Cissus quadrangularis*. JAC Journal of Science, Humanities and Management, Vol. 11, No. 2, June 2024, ISSN: 2347-9868.

AWARDS:

- Received the “Kalvi Sevagar Award - 2022” from Kuringi Kapilar Tamil Sangamon 15th August, 2022.
- Received the Best Co-ordinator Award from Sathguru Sangeetha Natya Vidyalaya through Workd Record Union (America).

SHORT TERM COURSE ATTENDED:

- Participated in 7 days national level short term training programme (online) on “Reimagining Classrooms: Innovative Pedegogies for Engaged and Outcome – Based Learning” held from 5th November 2025 – 12th November 2025, organized by PG Department of Computer Science, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam and Department of Computer Science, Teresian College, Mysuru.
- Participated in the NEP Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by The Gandhigram Rural Institute – DTBU, Gandhigram from 19th January 2026 to 27th January, 2026.

QUESTION PAPER SETTING:

- Has been the Question Paper setter for U.G and P.G. courses for Mother Teresa Women’s Universitie, Kodaikanal.

RESEARCH GUIDANCE:**M. SC., Project:**

| S. NO | NAME | PROJECT TITLE | COLLEGE | YEAR |
|-------|------------------|--|---|-------------|
| 1 | K. Sujitha | Pharmacological potential of <i>Coleus aromaticus</i> . | Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 2021 – 2022 |
| 2 | K.Sivaranjani | Evaluation of phytochemical and antibacterial activity of <i>Cissus quadrangularis</i> | Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 2022 – 2023 |
| 3 | C.Rohini | Pharmacological potential of <i>Caesalpinia bonduc</i> seed | Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 2023 – 2024 |
| 4 | M.Anitha | Pharmacological potential of <i>Gloriosa superba</i> | Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 2024 – 2025 |
| 5 | R.Muruga Ananthi | Pharmacological potential of <i>Abrus precatorius</i> | Jayaraj Annapackiam College for Women (Autonomous), Periyakulam | 2024 – 2025 |

ORIENTATION COURSE ATTENDED:

| Orientation course | University | Date |
|---|----------------------------------|-------------------------|
| 15 th Faculty Induction Programme (Online) | Bharathidasan University, Trichy | 20.02.2024 - 20.03.2024 |

BOOKS PUBLISHED:

| S.No | Title of the Book | Publication | Year |
|------|---|--|-----------|
| 1 | UGC NET / SET General Paper Answers with Explanations | Emerald Publishers, Chennai. ISBN – 9788119106066 | 2022-2023 |

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|---|-------------------------------|---|-----------|
| 2 | Fundamentals of Zoology | ESN Publications ISBN - 9789390188888 | 2024-2025 |
| 3 | Fermented Foods and Beverages | RG International Publications 978-93-48151-40-7 | 2024-2025 |

POSITIONS HELD IN THE COLLEGE:

| Position | Committee | Year |
|-------------------|--------------------------------|-------------------|
| Member | Avian club | 2020-2021 |
| Member | Library committee | 2020-2022 |
| Staff Advisor | NSS | 2021-2023 |
| Member | SC, ST, Minority Coaching cell | 2021 to till date |
| Programme Officer | NSS | 2023-2024 |
| Member | Fine Arts | 2023-till date |
| Member | JAC Extension | 2025- till date |

DETAILS OF RESEARCH PROJECTS:

| Name | Title of the Project | Funding Agency | Sanctioned Date & Duration of the Project | Project Cost (Rs.) | Remarks |
|--------------|---|-------------------------------|---|--------------------|-----------|
| Dr. I.Geetha | <i>Caesalpania bonduc</i> seed as a promising source of pharmacological agent and its prospectives for novel drug preparation | TNSCST Student Project Scheme | TNSCST SPS 2023-2024 3106A/01 | 7,500 | Completed |