

## *Brief Profile*

**Name: Dr. R. Cecily Rosemary Latha, M.Sc, B.Ed, M. Phil, Ph.D**

**Official Address:** Dr. R. Cecily Rosemary Latha,

Former Head and Assistant Professor (Senior Grade)

PG and Research Department of Zoology

Holy Cross College (Autonomous)

Tiruchirappalli, Tamil Nadu , India– 620 002.

Mobile: 9443371124

Email – ID: [latha2611@g.mail.com](mailto:latha2611@g.mail.com)

: [cecilyrosemarylatha@hcctrichy.ac.in](mailto:cecilyrosemarylatha@hcctrichy.ac.in)

**Residential Address: B501, Trichy Rich Apartment,**

Salai Road, Tiruchirappalli - 620003.

**Telephone:** 91 431 3568474



### **1. Teaching Experience:**

- Teaching Experience at Holy Cross College: **27 Years**
  - **UG: 27 years**
  - **PG: 19 years**
  - **M.Phil: 11 years**
  - **PhD Guideship: 2013 onwards**
- **Programme taught:** B. Sc. Biochemistry, M.Sc. Biotechnology, B.Sc, M.Sc. & M.Phil Zoology.
- **Subjects of teaching** include Biochemistry, Biotechnology, Endocrinology, Physiology, Immunology, Analytical techniques, Cell Biology, Molecular Biology, Microbiology, Biostatistics, Molecular Genetics, Stem cell Biology and research methodology for UG, PG and M. Phil Students.

### **2. Educational Qualification: M.Sc., B.Ed.,M.Phil., Ph.D.**

- **2011 – PhD Biotechnology, Bharathidasan University, Tiruchirappalli, India**
- **2007 – M.Phil., Zoology (85.6%), Bharathidasan University, Tiruchirappalli, India**
- **1990 – M.Sc., Zoology specialization in Entomology (Medical Entomology) - 90.4%, VCRC (ICMR), Pondicherry University, Pondicherry, India**
- **1995 – B.Ed., Biological Science (I Class), Bharathidasan University, Tiruchirappalli**

### **3. Subject of expertise/ Specialisation & Skills:**

- Medical Biochemistry, Molecular Biology, Endocrinology, Diabetes mellitus, Immunology, Microbiology, Medical Biotechnology, physiology and phytomedicine.
- **In depth knowledge and skills in all the laboratory techniques and equipments** in Biochemistry, Molecular biology, Microbiology, Biotechnology and Stem cell laboratories (HPLC, FT-IR,GC-MS, AGE,

PAGE, NMR, Scintillation Counters, enzyme assays, Immuno-assays, ELISA, RT-PCR, Western Blot, Fermenters, Cell Culture Techniques etc)

- **In Research**, Phytomedicine, – *In vitro, in vivo and in silico* analysis of anti-diabetic, anti-microbial, anti-inflammatory, anti-cancer and anti-oxidant properties of natural products and its mode of action.

#### **4. Positions Held (Leadership profile):**

| <b>S. No.</b> | <b>Name of the Position</b>                              | <b>Period</b>      |
|---------------|--|--------------------|
| 1.            | Head, PG and Research Department of Zoology, HCC, Trichy | <b>2018 -2021</b>  |
| 2.            | Head, Department of Biochemistry, HCC                    | <b>2004- 2007</b>  |
| 3.            | Coordinator – Students’ ExNoRa Club of HCC               | <b>2013- 2018</b>  |
| 4.            | Core Committee member of IQAC, HCC                       | <b>2014 – 2020</b> |
| 5.            | Secretary, Staff Association, HCC.                       | <b>2003-2004</b>   |
| 6.            | Bursar, Staff Association, HCC.                          | <b>2002-2003</b>   |
| 7.            | DBT-STAR Scheme coordinator of Zoology Dept, HCC         | <b>2012-2018</b>   |
| 8.            | NAAC Criteria - Core committee member of HCC             | <b>2014 – 2018</b> |
| 9.            | In-charge of DMLT Programme, HCC                         | <b>2008-2009</b>   |

#### **5. RESEARCH & PUBLICATION:**

**Title of the Ph.D. Thesis:** ‘Therapeutic potential of active principle(s) isolated from fruits of *Terminalia bellerica* Roxb. in streptozotocin induced diabetic Wistar rats’.

#### **Research Experience: For 15 years**

- **Total Number of publications at the international level: 19** (with impact factor)
- **Number of Nucleotide sequences published in NCBI: 6**
- **Patent Registered -1; Reference Number: 420023-001(Eco-Friendly Rice-Frog Farming Device)**
- Number of papers/posters presented at National and International Conferences: **28**
- Conference/Seminar/Workshop/ Training Program organized/Resource Person: **20**
- Refresher courses / orientation courses attended: **5**
- Guiding MSc, M.Phil and PhD - for the past 12 years. (In Zoology & Biotechnology)
- Research Advisor, Bharathidasan University since 2013 onwards.
- Paper publication **citation index as in Google Scholar is 414 and H-index 5 and i10 index 4**

## 5a. Patent and Research Publication: International and National Level:

**Journal / Articles Published: (Citation Index as in Google Scholar: 414; h index: 5; i10 index: 4)**

### ❖ Patent Registered:

- Reference Number: 420023-001 - Eco-Friendly Rice-Frog Farming Device; Date of Registration - 13/06/2024

### ❖ Sequence Publications: Published 6 Nucleotide Sequences in NCBI:

- (1) *Streptococcus macedonicus* strain, GMPR1; 16S ribosomal RNA gene"; Genbank Accession Number: PP479778.1; submitted on 14<sup>th</sup> March, 2024.
- (2) *Lactobacillus helveticus* strain, GMPR2; 16S ribosomal RNA gene"; Genbank Accession Number: PP479821.1; submitted on 14<sup>th</sup> March, 2024.
- (3) "*Streptomyces parvulus* strain, PARHCCZO006; 16S ribosomal RNA gene"; Genbank Accession Number: OQ733388.1; submitted on 04<sup>th</sup> April, 2023
- (4) "*Bacillus wiedmannii* strain, PARHCCZO004; 16S ribosomal RNA gene"; Genbank Accession Number: OQ729817.1; submitted on 3<sup>rd</sup> April, 2023.
- (5) "*Pseudomonas chengduensis* strain, PARHCCZO005; 16S ribosomal RNA gene"; Genbank Accession Number: OQ729818.1; submitted on 3<sup>rd</sup> April, 2023.
- (6) "*Streptomyces althioticus* strain, PARHCCZO001; 16S ribosomal RNA gene"; Genbank Accession Number: OP451863.1; submitted on 16<sup>th</sup> September, 2022.

- ❖ **Book Publication -1:** Few chapters in the book titled 'A Text Book of Practical Zoology for Undergraduates" published in 2021 by the Publication Division, Holy Cross College (Autonomous), Tiruchirappalli-2 ISBN No.978-81- 953014-2-3

### Research Papers Publication:

- **Cecily Rosemary Latha R, Daisy P (2011).** Insulin-secretagogue, antihyperlipidemic and other protective effects of gallic acid isolated from *Terminalia bellerica* Roxb. in streptozotocin-induced diabetic rats. *Chemico-Biological Interactions* 189, 112-118. PMID: 21078310 DOI: [10.1016/j.cbi.2010.11.005](https://doi.org/10.1016/j.cbi.2010.11.005) (Impact factor: 2.969) (**Citation index: 273**) **This Research Paper has maximum citation index of 283.**
- **Latha, R.C.R., Daisy P (2010).** Influence of *Terminalia bellerica* Roxb. fruit extracts on biochemical parameters in streptozotocin diabetic rats. *International Journal of Pharmacology* 6, 89-96. DOI: [10.3923/ijp.2010.89.96](https://doi.org/10.3923/ijp.2010.89.96) (Impact factor: 1.206) (**Citation index - 51**)
- **Cecily Rosemary Latha R and Daisy P (2013).** Therapeutic potential of octyl gallate isolated from fruits of *Terminalia bellerica* in streptozotocin-induced diabetic rats. *Pharmaceutical Biology*, 51(6), 798-805. PMID: 23675839 DOI: [10.3109/13880209.2013.766894](https://doi.org/10.3109/13880209.2013.766894) (Impact factor: 1.206 (**Citation index: 39**)).
- **Cecily Rosemary Latha R, Rajathi Modilal, Monicka and Jayanthi (2020).** *In vivo* and *in silico* Analysis of Anti-inflammatory efficacy of *Curculigo orchoides* rhizome. *Academia and Society*, Volume 6 (1&2), 73-78. ISSN : 2393-9419 eISSN : 2393-8919



- **Cecily Rosemary Latha R., Santhiyasri, Rajathi Modilal (2024), ‘Antimicrobial activity of *Acalypha indica*’** One Day National Conference on ‘Recent Trends in Experimental Biology (RTEB’24), 27<sup>th</sup> September 2024; PG and Research Department of Biochemistry, School of Biological Sciences college, St. Joseph’s College (Autonomous), Tiruchirapalli.
- **Cecily Rosemary Latha R., Hemalatha R.,(2021) ‘Computational Molecular Phenotypic Analysis of PTPN22 (R596W), CTLA-4 (P137L) and IL2RA (S166N) Gene Mutations of Type 1 Diabetes Mellitus’,** International conference on Recent trends in Biotechnology and Biomedical Engineering (ICRTBB), 25<sup>th</sup> February, 2021; Department of Biotechnology and Biomedical Engineering. Karpagam Vinayaga College of Engineering and Technology, Chengalpattu.
- **Cecily Rosemary Latha R., Hemalatha R., (2020) ‘Effect of Vitamin C and Dexamethasone on Amniotic Derived Mesenchymal Stem Cells’,** Department of Biotechnology Ministry of Science and Technology, Government of India sponsored International conference on Frontiers in chronic disease (ICFCD-20), 19<sup>th</sup> February 2020, PG and Research Department of Zoology, Bishop Heber college, Tiruchirapalli.
- **Cecily Rosemary Latha R., Mahalakshmi (2020). ‘Effect of Gallic acid and Ascorbic acid on Wharton’s Jelly derived Mesenchymal Stem Cells’,** National Biodiversity Authority, Government of India sponsored International Conference on Sustainable Management and Conservation of Natural Resources’, 15<sup>th</sup> February 2020, PG & Research Dept of Zoology, Periyar E.V.R. College (Autonomous), Tiruchirapalli (**Best paper Award**)
- **Cecily Rosemary Latha R., Maheshwari P.,(2018) *In vitro* evaluation of antibacterial efficacy of silver nanoparticles synthesised using *Delonix regia* leaf extracts.** International Conference on The New Vistas in Life sciences, 11<sup>th</sup> September, 2018; Department of Biochemistry, Holy Cross College (Autonomous), Tiruchirapalli.
- **Cecily Rosemary Latha R., Nivetha Selvam S., Loganathan M., Studies on *Oryzaephilus surinamensis* infestation and Management in Date Fruits.** International Conference on Networking, Research and Innovation in Higher Education for a Sustainable Society: Challenges and Channels - **ICNRI 2018**, 25<sup>th</sup> – 27<sup>th</sup> July, 2018; Holy Cross College, Tiruchirapalli.
- **Cecily Rose Mary Latha R., Monica Seles, Antimicrobial, anti-inflammatory and immune Modulatory efficacy of Ethanol Extract of *Curculigo orchoides*.** International Conference on Networking, Research and Innovation in Higher Education for a Sustainable Society: Challenges and Channels - **ICNRI 2018**, 25<sup>th</sup> – 27<sup>th</sup> July, 2018; Holy Cross College, Tiruchirapalli.
- **Cecily Rose Mary Latha R., Maheswari P., Antimicrobial activity of methanol extract fractions of fruit rind of *Terminalia bellerica* Roxb.** National Conference

on Enhancing Entrepreneurship and Innovation in Biotechnology for Sustainable Development, DBT sponsored, TNSRO, 28-29 July 2017, H.H. The Rajah's College, Pudukkottai.

- **Cecily Rose Mary Latha R., Jemi Fiona V.A., Effects of various serum in culturing of mesenchymal stem cells for clinical grade.** International Conference on 'Conservation of Natural Resources and Inauguration of 100<sup>th</sup> Chapter of OISCA-International', 17<sup>th</sup> September, 2016, Nehru Memorial College, Puthanampatti.
- **Cecily Rose Mary Latha R., Gabriella M.D., *In vitro* and *in silico* analysis of antibacterial efficacy of ethanol and steam distilled rhizome extracts of *Curculigo orchioides*.** International Conference on 'Conservation of Natural Resources and Inauguration of 100<sup>th</sup> Chapter of OISCA- International', 17<sup>th</sup> September, 2016, Nehru Memorial College, Puthanampatti.
- **Cecily Rose Mary Latha R., Gabriella M.D., Kavitha K., *In Silico* Molecular modeling and docking studies of Lipopolysaccharide Binding Protein (LBP) against compounds of *Annona squamosa*'.** National Conference on Achievements, Challenges and Opportunities in Environmental Biotechnology for Sustainable Livelihood Security, 27<sup>th</sup> and 28<sup>th</sup> February 2016, Tamil Nadu Scientific Research Organisation (TNSRO), Pudukkottai.
- **Cecily Rosemary Latha R., Poongodi Indra, 'Impact of Rheumatoid Arthritis on women and its Management'.** International conference on 'Contemporary Issues of Women: Challenges and Responses', 9<sup>th</sup> February, 2016, PG Department of Social Work, Holy Cross College, Tiruchirappalli.
- **Cecily Rosemary Latha R., Sathya S., Kavitha K., *In vitro* evaluation of antimicrobial efficacy of *Azadirachta indica* leaf extracts.** International Conference on Recent trends in Biomedical Science & 32<sup>nd</sup> Annual meeting of SRBCE. 7-9<sup>th</sup> January, 2014, PG and Research Departments of Zoology and Biotechnology, Holy Cross College, Tiruchirappalli.
- **Cecily Rosemary Latha R. and Daisy P., Antidiabetic potential of active principles isolated from the fruit rind of *Terminalia bellerica* Roxb. in streptozotocin-induced diabetic Wistar rats.** National Level Seminar on Recent Advances in Biomedical Research on infectious and non-infectious diseases, 13 & 14 October, 2011, School of Basic Medical Sciences, Bharathidasan University, Tiruchirappalli.
- **Cecily Rosemary Latha R. and Daisy P., Effect of *Costus pictus* D. Don in STZ induced diabetic rats.** UGC Sponsored National Seminar on Emerging Biomedical Sciences and Potential Applications, 7 & 8 January, 2008, PG and Research Department of Zoology, Holy Cross College, Tiruchirappalli.

#### **6. Memberships in academic bodies:**

- External Subject Expert, Member of Board of Studies in Zoology, American College, Madurai, Tamil Nadu.

- External Subject Expert, Member of Board of Studies in Zoology, Bishop Heber College, Tiruchirappalli
- Life member, Society for Reproductive Biology and Comparative Endocrinology.
- Doctoral Committee Member, PG and Research Departments of Zoology, National College, Tiruchirappalli
- Member- Academic Council, HCC, Trichy
- Doctoral Committee Member, PG and Research Departments of Zoology and Biotechnology, HCC
- Chief Examiner, UG Examination Board, Bharathidasan University, Tiruchirappalli
- Reviewer in Elsevier Journals – BMC Pharmacology, Pharmaceutical Biology, Food and Chemical Toxicology, Journal of Integrative Medicine, Journal of Natural Science, Book Chapter Reviewer – ‘Studies in Natural Products Chemistry’ (Elsevier Science Publication) etc.

#### **7. Additional achievements/extension activities:**

- **Patent Registered:1; Reference Number: 420023-001 Date of Registration - 13/06/2024**
- Recipient of “**GEM OF STUDENTS’ EXNORA STAFF ADVISOR AWARD**” awarded by YEI, Tamil Nadu in the Youth ExNoRa International 25<sup>th</sup> Anniversary of Installation and special Award Celebration 2020.
- Recipient of ‘**ENVIRON CRUSADER AWARD 2019**’ by YEI, Tamil Nadu
- Recipient of ‘**OUTSTANDING EXNORA STAFF ADVISOR AWARD 2018**’ awarded by YEI, Tamil Nadu.
- **Coordinator and Organizing Secretary - Science Academies lecture Workshop** on Recent trends in Applied and Molecular Endocrinology **sponsored by Indian Academy of Sciences, Bengaluru, India.**
- ❖ **Authored Book Chapters** in the book titled ‘A Text Book of Practical Zoology for Undergraduates’ published in 2021; ISBN No.978-81- 953014-2-3
- **Organizing Secretary and Committee member** in National and International Conferences, Seminars, workshop and intercollegiate competitions organized in the PG and Research Department of Zoology and Biochemistry.
- **Resource Person** in workshops, Association meetings and conferences in Anna Science Centre, Schools, Colleges, Bharathidasan University etc
- **Resource Person** for the CSIR NET Coaching classes for Life Sciences
- **Quiz Master and Judge** (for paper presentation, debate, JAM etc) in various intercollegiate competitions.
- **Organized more than 30 Mass Tree Plantation and Awareness Program** on various environmental issues in schools and colleges in and around Tiruchirappalli as staff Coordinator of Students’ EXNORA of HCC (More than 1000 saplings have been planted)
- Responsible for the Introduction of Course papers for the I Batch of B.Sc. Biochemistry students (1995-1998)
- Foreign Country visited: **USA**

**8. Conference/Seminar/Workshop/ Training/Refresher Programme/ Orientation Programme attended /organized/ Resource person - Academic & General - selected:**

| <b>Sl. No.</b> | <b>Theme</b>  | <b>Place</b>   | <b>International / National / State level Sponsored by</b>    | <b>Year (Duration)</b>                     | <b>Resource Person/ Paper Presentation / Participation</b> |
|----------------|---|--|---|--|--|
| <b>1.</b>      | <b>Invited Talk - 'Pathophysiology and Challenges of Diabetes Mellitus'</b>   | Research Department of Zoology, Seethalakshmi Ramaswami College, Tiruchirappalli | <b>One Day State Level Seminar</b>                            | <b>13<sup>th</sup> December, 2023</b>      | <b>Resource Person</b>                                     |
| <b>2.</b>      | <b>Invited Talk - 'Avenues of Research in Phytomedicine'</b>  | Department of Zoology, Nirmala College for Women (Autonomous), Coimbatore        | <b>State level – Xavier Board of Higher Education, India.</b> | <b>30<sup>th</sup> August, 2023</b>        | <b>Resource Person</b>                                     |
| <b>3</b>       | <b>UGC-Sponsored Refresher Course in Life Sciences</b>  | UGC-HRDC, Bharathidasan University, Tiruchirappalli                              | National – UGC- MHRD  | <b>From 27th July to 9th August, 2023.</b> | <b>Participated and obtained Grade 'A'</b>                 |
| <b>4</b>       | <b>Attended Board of Studies Meeting in Zoology as Subject Expert.</b>  | The American College (Autonomous), Tiruchirappalli.                              | <b>Autonomous College</b>                                     | <b>13th June, 2023</b>                     | <b>Subject Expert</b>                                      |
| <b>5</b>       | <b>Attended Board of Studies Meeting in Zoology as Subject Expert.</b>  | The American College (Autonomous), Tiruchirappalli.                              | <b>Autonomous College</b>                                     | <b>17th February, 2023</b>                 | <b>Subject Expert</b>                                      |
| <b>6</b>       | <b>International Conference on 'The Transformative power of Value Education for the development of Youth Today'</b> | Holy Cross College (Autonomous), Tiruchirappalli - 2                             | <b>International</b>  | <b>8<sup>th</sup> February, 2023</b>       | <b>Session Chair Person</b>                                |



|    |   |   |  |   |  |
|----|---|---|--|---|--|
| 7  | <b>UGC-Sponsored Refresher Course in Life Sciences</b>  | UGC-HRDC<br>Osmania University,<br>Hyderabad  | <b>National UGC-MHRD</b>                             | From 3 <sup>rd</sup> January 2022 to 18th January 2022 [2 week]                 | <b>Participated and obtained Grade “A”</b>           |
| 8  | <b>Two-week Refresher Course in ‘Zoology’, under the aegis of PMMNMTT, Ministry of Education.</b> | Ramanujam College,<br>University of Delhi.  | <b>National level PMMNMTT, Ministry of Education</b> | From 15 <sup>th</sup> December 2021 to 29 <sup>th</sup> December 2021[Two-week] | <b>Participated and obtained A<sup>+</sup> Grade</b> |
| 9  | <b>One-week Refresher Programme on “Demystifying Research Metrics (DRM’21)”</b>                   | Bannari Amman Institute of Technology,<br>Tamil Nadu.   | <b>- AICTE-ISTE Sponsored</b>                        | From 16th June to 22nd June, <b>National level 2021</b> [One-week]              | <b>Participated</b>                                  |
| 10 | <b>International Conference - “TRIES 2021”</b>  | Holy Cross College (Autonomous),<br>Tiruchirappalli - 2   | <b>UGC -Stride</b>                                   | From 28th to 30 <sup>th</sup> September, 2021                                   | <b>Presented a paper.</b>                            |
| 11 | <b>International conference on “Recent Trends in Biotechnology and Biomedical Engineering”</b>    | Department of Biotechnology & Biomedical Engineering,<br>Karpaga Vinayaga College of Engineering & Technology,<br>Chengalpet. | International  | 25 February 2021  | <b>Paper Presented</b>                               |
| 12 | <b>Invited Talk - ‘Vaccines – Basics, Challenges &amp; Global Health’</b>                         | Holy Cross College of Education,<br>Tiruchirappalli.  | State – College of Education                         | 30 <sup>th</sup> January, 2021  | <b>Resource Person</b>                               |
| 13 | <b>National Conference on ‘Human Microbiota – An Ecological approach’</b>                         | PG & Research Department of Botany, School of Biological Sciences, St. Joseph’s College (Autonomous),<br>Trichirappalli       | UGC, New Delhi                                       | 22 <sup>nd</sup> January, 2020  | <b>Co-Chair Person</b>                               |

|    |   |  |   |   |  |
|----|---|--|---|---|--|
| 14 | <b>International Conference on Sustainable Management and Conservation of Natural Resources</b>     | PG & Research Dept of Zoology, Periyar E.V.R. College (Autonomous), Trichy | International level National Biodiversity Authority, Government of India                                  | 15 <sup>th</sup> February 2020.                           | <b>Best Paper Award</b>                                      |
| 15 | <b>International Conference on Frontiers in Chronic Diseases</b>                                    | PG & Research Dept of Zoology, Bishop Heber College (Autonomous), Trichy   | International level - Department of Biotechnology Ministry of Science and Technology, Government of India | 19 <sup>th</sup> February 2020.                           | <b>Paper Presented</b>                                       |
| 16 | <b>UGC-Sponsored Refresher Course in Life Sciences</b>  | UGC-HRDC, Bharathidasan University, Tiruchirappalli                        | National – UGC  | 16th July - 29th July, 2019                               | <b>Participation (Grade A)</b>                               |
| 17 | <b>Workshop on ‘Techniques in Phytochemical Analysis’</b>   | CPE Programme - Holy Cross College, (Autonomous), Tiruchirappalli          | National - UGC- CPE   | 31 <sup>st</sup> January & 1 <sup>st</sup> February, 2019 | <b>Resource Person</b>                                       |
| 18 | <b>Science Academies' Refresher course on Known to Unknown Techniques in Biology</b>                | St. Joseph's College, (Autonomous), Tiruchirappalli                        | National/ INSA, New Delhi, IASc, Bangalore NASI, Allahabad  | 1 <sup>st</sup> -15 <sup>th</sup> November 2018           | <b>Participation (Grade A)</b>                               |
| 19 | <b>Science Academies lecture Workshop on ‘Recent trends in Applied and Molecular Endocrinology’</b> | Holy Cross College, (Autonomous), Tiruchirappalli                          | National/ INSA, New Delhi, IASc, Bangalore NASI, Allahabad  | 26 <sup>th</sup> and 27 <sup>th</sup> September           | <b>Coordinator and organizing secretary of the workshop.</b> |
| 20 | <b>International Conference on The New Vistas in Life sciences</b>                                  | Department of Biochemistry, Holy Cross College, Tiruchirappalli            | International Conference  | 11th September, 2018                                      | <b>Paper Presentation</b>                                    |
| 21 | <b>International Conference on Networking,</b>  | Holy Cross College, (Autonomous),  | International Conference  | 25 <sup>th</sup> – 27 <sup>th</sup> July, 2018            | <b>Participation &amp; Paper Presentation</b>                |

|    |  |  |  |  |                               |
|----|--|--|--|--|-------------------------------|
|    | <b>Research and Innovation in Higher Education for a Sustainable Society: Challenges and Channels-ICNRI 2018</b>     | Tiruchirapalli   |  |  |                               |
| 22 | <b>Science Academies' Lecture Workshop on Trends in Reproductive Technologies for Sustainable Development</b>        | Research Department of Zoology, Seethalakshmi Ramaswami College, Tiruchirappalli | National/ INSA, New Delhi, IASc, Bangalore NASI, Allahabad | 21 <sup>st</sup> and 22 <sup>nd</sup> June 2018. | <b>Participation</b>          |
| 23 | <b>International Conference- 'Innovations and challenges in Biomedical Research'.</b>                                | Department of Biotechnology and Bioinformatics. Holy Cross College, Trichy       | National/ ICMR, Govt. of India                             | 12- 14th December 2017.                          | <b>Participation</b>          |
| 24 | <b>99<sup>th</sup> Orientation Programme</b>   | UGC-Human Resource Development Centre, BDU, Trichy                               | National / UGC   | 15th November – 12 <sup>th</sup> December, 2017  | <b>Participated (A Grade)</b> |
| 25 | <b>Workshop - 'A Holistic approach to Cardiovascular diseases'.</b>  | Department of Biotech. & Bioinformatics, Holy Cross College, Trichy              | National/ ICMR, Govt. of India                             | 13 <sup>th</sup> December 2017.                  | <b>Participation</b>          |
| 26 | <b>National Conference on Enhancing Entrepreneurship and Innovation in Biotechnology for Sustainable Development</b> | TNSRO, H.H. The Rajah's College, Pudukkottai.                                    | DBT, Govt. of India  | 28-29 July 2017                                  | <b>Paper Presentation</b>     |
| 27 | <b>Phytocongress 2016'</b>   | CARISM, SASTRA University, Thanjavur   | International Conference (AYUSH)                           | 21 <sup>st</sup> and 22 <sup>nd</sup> July, 2016 | <b>Participation</b>          |

|    |   |  |   |   |  |
|----|---|--|---|---|--|
| 28 | <b>Science Academies' Lecture Workshop on Bioprospecting and Bioresources.</b>              | School of Biological Sciences, St. Joseph's College, Trichy.                 | National/ IASc, Bangalore; INSA, New Delhi and NASI, Allahabad. | 10 <sup>th</sup> to 12 <sup>th</sup> February, 2016 | <b>Participation</b>                           |
| 29 | <b>5<sup>th</sup> National Conference on Natural Sciences</b>                               | Holy Cross College (Autonomous), Trichy.                                     | National Bose Science Society , TNSRO-Pudukottai                | 19.1.2016   | <b>Participation and paper presentation</b>    |
| 30 | <b>International Conference on 'Contemporary Issues of Women: Challenges and Responses'</b> | PG Dept. of Social Work, HCC, Trichy   | International level   | 9.2.2016  | <b>Paper Presentation</b>                      |
| 31 | <b>'Recent trends in Biomedical Science &amp; 32<sup>nd</sup> Annual meeting of SRBCE'.</b> | PG and Research Department of Zoology, HCC, Trichy                           | International SRBCE ,UGC, DBT sponsored                         | 7 <sup>th</sup> - 9 <sup>th</sup> , Jan, 2014       | <b>Poster Presentation &amp; Participation</b> |
| 32 | <b>Emerging trends in Biomedical Science</b>  | PG and Research Department of Zoology, HCC, Trichy                           | National -DBT   | 10 <sup>th</sup> January, 2013                      | <b>Poster Presentation &amp; Participation</b> |
| 33 | <b>Recent Advances in Biomedical Research on infectious and non-infectious diseases.</b>    | Department of Biomedical Science, Bharathidasan University, Tiruchirappalli. | National – DBT, CSIR, ICMR, TNSCST.                             | 13 <sup>th</sup> & 14 <sup>th</sup> October, 2011   | <b>Participation &amp; Paper Presentation</b>  |