



1. **Name** - **Dr.B.ThendralHepsibha**
2. **Designation** - Assistant Professor  
Department of Biochemistry  
Ethiraj College for Women
3. **Qualification-** M.Sc.,,M.Phil.,Ph.D., SET
4. **Experience** - Total – 19 Years, Ethirajcollege - 6 years
5. **Area of Specialization-** waste management
6. **Email ID-** thendralhepsibha\_b@ethirajcollege.edu.in

### MEMBERSHIP

| S.No. | Details | State/National/International |
|-------|---------|------------------------------|
| 1     | -----   | State (Eg)                   |

### PROJECTS

| S.no. | Title   | Duration | Funding agency          | Amount sanctioned ( in lakhs) |
|-------|---|----------|-------------------------|-------------------------------|
| 1.    | Gunapaselam(Fermented fish waste) for Soil Amendment; its influence on the Growth and Nodulation efficacy of <i>Vignaradiata (L.) R.Wilczek</i> –<br>A Possible Approach to | 2015-16  | UGC<br>minor<br>project | Rs.1,30,000                   |

|  |                  |  |  |  |
|--|------------------|--|--|--|
|  | Waste Management |  |  |  |
|--|------------------|--|--|--|

### RESEARCH GUIDANCE

|                |    |
|----------------|----|
| Ph.D Awarded   | NA |
| Ph.D Guiding   |    |
| M.Phil Awarded |    |
| M.Phil Guiding |    |

### WORKSHOPS

| S.no. | Organized by   | State/National/International  | Topic   | Date(s)   |
|-------|--|-------------------------------|---|---|
| 1     | PG & Research Department of Zoology & Department of Biochemistry, with Orange kit developers | Workshop                      | “Workshop on Basic Techniques in Biotechnology  | 9 – 10 January 2017.  |
| 2     | Ethiraj College for Women  | Workshop                      | “Academics and Research”  | 1 <sup>st</sup> February, 2017                                      |
| 3     | Institute for Statistics and Analytical Research   | National Level Workshop       | “Research Methodology, Statistical Data Analysis and Interpretation” by using Statistical Package for Social Sciences (SPSS) and Analysis of Moments Structure (AMOS) | 5 <sup>th</sup> – 7 <sup>th</sup> May 2017                          |
| 4     | Ethiraj College for Women  | Workshop cum Seminar          | “Recent Advances in Biological Research Data Analysis”  | 1 <sup>st</sup> , 2 <sup>nd</sup> and 4 <sup>th</sup> February 2019 |
| 5     | IQAC, Ethiraj College for Women  | National Workshop cum Seminar | “Learning Management System and Open Educational Resources – A Student  | 25 <sup>th</sup> January 2020                                       |

|   |  |   |  |                           |
|---|--|---|--|---------------------------|
|   |  |   | Centric Approach”  |                           |
| 6 | Hindusthan College of Arts and Science, Coimbatore, TamilNadu. | One Week National Online Workshop and Faculty Development Programme | “Learning Management System & E-Content Development Tools” | 1st July to 8th July 2020 |

### CONFERENCES ATTENDED / PRESENTED PAPER

| S.no | Organized by  | State/National/International     | Participated/Presented   | Title  | Date(s)   |
|------|---|----------------------------------|--|--|---|
| 1    | Zoology, PBPB & Biochemistry Department, Ethiraj College in association with AZRA | XV AZRA International Conference | Organized  | "Recent advances in Life sciences"                                       | 11 <sup>th</sup> -13 <sup>th</sup> February 2016  |
| 2*   | Dept of Zoology in association with Dept of Biochemistry                          | International Conference         | Presented paper titled- “Influence of fermented fish waste (Gunapaselam) on nodulation and nitrogen fixing ability in <i>Vignaradiata</i> – From waste to a value added product”<br><b>Received I prize in presentation.</b> | “Biodiversity – Strategies for Conservation and Sustainable Utilization” | 1 <sup>st</sup> and 2 <sup>nd</sup> February 2018 |
| 3    | Sathyabama University   | National Symposium               | Presented paper titled- “Influence of Fermented Fish waste (Gunapaselam) on  |  | 20 <sup>th</sup> and 21 <sup>st</sup> June, 2018  |

|    |                         |                          |  |   |   |
|----|-------------------------|--------------------------|--|---|---|
|    |                         |                          | nodulating and nitrogen fixing genes in the nodules of <i>Vignaradiata</i> (Green gram)”   |   |   |
| 3# | Saveetha Dental College | International Conference | “Role of soil microbes to restore trace elements in <i>Vignaradiata</i> (mung bean) soils - A favourable response to fermented fish waste (Gunapaselam) fertilizer” “Role of soil microbes to restore trace elements in <i>Vignaradiata</i> (mung bean) soils - A favourable response to fermented fish waste (Gunapaselam) fertilizer”<br><b>Received the award for Best Paper Presentation</b> | “Current Research and Development in Microbiology   | 3 <sup>rd</sup> August, 2019                      |
| 4  | Gurunank College        | National Conference      | “Manurial potential of Fermented Fish waste (Gunapaselam) on <i>Tagetes erecta</i> (Marigold)”   | “Environment and Food Sustainability”               | 27 <sup>th</sup> September, 2019                  |
| 5  | Gurunank College        | International Conference | “Influence of Fermented Fish waste (Gunapaselam) on soil   | “Partnership and Ownership Building for Sustainable | 5 <sup>th</sup> and 6 <sup>th</sup> December 2019 |

|    |  |                            |  |   |                 |
|----|--|----------------------------|--|---|-----------------|
|    |  |                            | NPK and growth traits of <i>Vignamungo</i> (Black gram)”   | Development” in OISCA Global Youth Forum- 2019 (OGYF 2019)                                |                 |
| 6* | Department of Biotechnology, Vinayaka Mission’s KirupanandaVariyarEngineering College, Salem | Online National Conference | “Impact of Fermented Fish Waste (Gunapaselam) on Soil NPK Status and <i>Phaseolus Vulgaris</i> Growth”<br><b>Received Best Paper Award</b> | “Current Scenarios and Challenges Faced in Agriculture, Food and Pharmaceutical Sectors”, | 10th March 2021 |

### SEMINARS

| S.no. | Organized by                                    | State/national/international | Topic  | Date(s)                        |
|-------|---|------------------------------|--|--------------------------------|
| 1     | Dept of Biochemistry, Ethiraj College for Women | National seminar             | “ Health 2020 – An Alternative Perspective”                        | 7th January 2020               |
| 2     | Dept of Biochemistry, Ethiraj College for Women | National Webinar             | “Patenting Inventions in India”<br>“Patenting Inventions in India” | 16th May 2020<br>16th May 2020 |

### CERTIFICATE COURSES /VALUE ADDED COURSES

| S.no. | Offered by   | Topic                           | Duration   |
|-------|--------------|---------------------------------|--|
| 1     | BIOCHEMISTRY | Advanced Biochemical techniques | 1 <sup>st</sup> sept-1 <sup>st</sup> March (2016-2017) |
| 2     | BIOCHEMISTRY | HERBAL REMEDIES                 | 13 <sup>th</sup> Aug-7 <sup>th</sup> Sept (2018-19)    |

|   |              |                    |  |
|---|--------------|--------------------|--|
| 3 | BIOCHEMISTRY | HERBAL<br>REMEDIES | 5 <sup>th</sup> Spt-12 <sup>th</sup> Dec (2019-20) |
|---|--------------|--------------------|--|

### JOURNAL PUBLICATIONS

| S. NO | JOURNAL NAME  | UGC /SCI/SCIE /WOS                                | ISBN / ISSN NUMBER | REFERENCE | DATE OF PUBLICATION/DOI |
|-------|---|---|--------------------|-----------|-------------------------|
| 1.    | International Journal of Agriculture Innovations and Research |   | ISSN-2319-1473.    | -----     | 2017                    |
| 2.    | International Journal of Pharma and Bio Sciences              | Scopus indexed (0.14).                            | ISSN 643-648       | -----     | Apr 2017                |
| 3     | Indian Journal of Traditional Knowledge                       | Peer reviewed / Scopus/ UGC impact factor (0.920) | ISSN: 0975-1068    | -----     | October 2019            |
| 4     | International Journal of Research in Pharmaceutical Sciences  | Peer reviewed / Scopus/ UGC impact factor (0.120) | ISSN: 0975-7538    | -----     | 2019                    |
| 5     | Research Journal of   | Peer  | ISSN: 2278-        | -----     | 2019                    |

|   |  |   |                 |       |         |
|---|--|---|-----------------|-------|---------|
|   | Chemistry and Environment.                     | reviewed/ Scopus/ UGC impact factor (0.13)      | 4527            |       |         |
| 6 | Research Journal of Biotechnology              | Peer reviewed/ Scopus/ UGC impact factor (0.14) | ISSN: 0975-7538 | ----- | Jan2020 |
| 7 | Research Journal of Chemistry and Environment. | Peer reviewed/ Scopus/ UGC impact factor (0.13) | ISSN: 2278-4527 | ----- | 2021    |

### FDP/STTP

| S.no. | Organized by   | State/National/International      | Topic   | Date(s)                          |
|-------|--|-----------------------------------|---|----------------------------------|
| 1     | IQAC, Ethiraj College for Women                            | Faculty Development Programme     | “Quality Publications & E-learning”               | 19 <sup>th</sup> September, 2018 |
| 2     | Ethiraj Centre For Research, Innovation & Creativity (Ecri | Faculty Development Program (FDP) | on “Citation Database and Analysis, Scientometric | July 2020                        |

|   |                                |  |                                |   |
|---|--------------------------------|--|--------------------------------|---|
| 3 | Department of<br>Biochemistry, | International Faculty<br>Development Webinar | “Adapting to the<br>Covid Era” | 7 <sup>th</sup> & 8 <sup>th</sup><br>July 2020. |
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|   | Ethiraj College  |   |   |  |
| 4 | Department of Computer Applications<br>Ethiraj College for Women   | National Level Faculty level<br>Development Programme                 | “Open Source Learning Platform: Moodle                                | 24 <sup>th</sup> June 2020                   |
| 5 | Hindusthan College of Arts and Science,<br>Coimbatore,<br>TamilNadu.   | One Week National Online Workshop and Faculty Development Programme “ | “Learning Management System & E- Content Development Tools”           | 1st July to 8th July 2020                    |
| 6 | Department of Biochemistry,<br>Ethiraj College For Women   | Faculty Development Program   | “Recent trends in Molecular Biotechnology”                            | 3 <sup>rd</sup> & 4 <sup>th</sup> June 2020. |
| 7 | Research & Development Cell in association with Internal Quality Assurance Cell (IQAC),<br>Women’s Christian College | National Level Online Faculty Development Program                     | “Innovation and Research Opportunities for Faculty in the New Normal” | 5th June 2020.                               |
| 8 | Internal Quality Assurance Cell,<br>Ethiraj College for Women  | Faculty Development Programme   | “Recasting from Onsite to Online Pedagogy                             | 20th July to 24 <sup>th</sup> July 2020      |
| 9 | Sathyabama Institute of Science and Technology in Association with Indian Association                                | Faculty Development Program (FDP) a six lecture                       | “Practical Bioinformatics On A Wet-Lab Set-Up                         | 11th May - 16th May, 2020                    |

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|  | of | Applied |  |  |  |
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| Microbiology<br>(IAAM) and<br>Georgetown<br>University,<br>Washington DC,<br>USA |  |  |  |
|--|--|--|--|

### WEBINARS [National/International]

| S.no. | Organized by  | State/National/International | Topic  | Date(s)  |
|-------|---|------------------------------|--|--|
| 1     | Department of Biochemistry, Ethiraj College for Women | Webinar                      | “Real- Time PCR in Molecular diagnosis of Viral infections”                            | 27 <sup>th</sup> July 2020.                      |
| 2     | Department of Biochemistry, Ethiraj College for Women | Webinar                      | “Medicinal Plants –The Potential Therapeutic sources for Human Diseases and Disorders” | 9 <sup>th</sup> May 2020.                        |
| 3     | Department of Biochemistry, Ethiraj College for Women | National Webinar             | “Patenting Inventions in India”  | 16 <sup>th</sup> May 2020.                       |
| 4     | Biochemistry students, Ethiraj College for Women      | Student Webinar              | Know your Immunity   | 11th May - 16th May, 2020                        |
| 5     | International Webinar                                 | International Webinar        | Career Prospects In Life Sciences  | 24 <sup>th</sup> and 25 <sup>th</sup> March 2021 |

**Resource person / Chairperson**

1. Served as judge for the Intercollegiate competitions on Environment Conservation conducted by Valliammal College on 6<sup>th</sup> October, 2018.
2. Delivered an awareness speech on “Health Complication of Drug Addiction” on National Science Day Celebrations on 01.03.19 at Kumari Rani MeenaMuthiah College.
3. Served as judge for the paper presentation in the National Conference on “Environment and Food Sustainability” held at Gurunanak College on 27<sup>th</sup> September, 2019.
4. Chaired the e-poster presentation session on one day National Symposium on “Recent Headway in biotechnology RHBT 2020” on 5<sup>th</sup> February 2020.
5. Delivered a Guest Lecture on “Nucleic acids – information carrying molecules of the cell” to M.Sc Biomedical Students in Dept. of Biomedical Sciences at Vellore Institute of Technology Virtually on 08.09.2020.
6. Doctoral Committee member – Biochemistry Dept. at Sathyabama University
7. Delivered a Guest Lecture on “Nucleic acids” to M.Sc Biomedical Students in Dept. of Biomedical Sciences at Vellore Institute of Technology Virtually on 23.06.2021.