

## SSR – Faculty Profile (1.1.2015 to 31.5.2025)

### I. General Information

|                      |                                |
|----------------------|--------------------------------|
| <b>Name</b>          | <b>J.JEYASEELI</b>             |
| <b>Designation</b>   | <b>GUEST LECTURER</b>          |
| <b>Qualification</b> | <b>M.Sc., M.Phil.</b>          |
| <b>Department</b>    | <b>CHEMISTRY</b>               |
| <b>Mail Id</b>       | <b>jeyaseeliarun@gmail.com</b> |
| <b>Contact No.</b>   | <b>8098725913</b>              |
| <b>PAN Number</b>    | <b>BFLPJ5231D</b>              |



### II. Activities related to curriculum development and assessment

#### 2.3 Paper Valuation

| <b>Year</b>         | <b>Date</b>                               | <b>Course (UG /PG)</b> | <b>Name of the paper</b> | <b>Name of the Institution</b>  |
|---------------------|---|------------------------|--------------------------|---|
| JUNE 2017– MAY 2018 | 6.12.17 to<br>13.12.17<br>Except 10.12.17 | UG                     | UG Chemistry             | Jayaraj Annapackiam College<br>For Women, Periyakulam   |
| JUNE 2020– MAY 2021 | 29.4.2021                                 | UG                     | UG Chemistry             | Mother Teresa Women's University,<br>Research and Extension Centre,<br>Keelakuilkudi, Madurai |

### III. Use of ICT enabled tools for effective teaching-learning process

| Year                 | Information and Communication Technology (ICT) enabled tools Used (Computer, Mobile Phone, LCD Projector, OHP, Printer, Laptop etc.) |
|----------------------|--|
| JAN 2015 – MAY 2016  | Computer, Mobile phone   |
| JUNE 2016 – MAY 2017 | Computer, Mobile phone   |
| JUNE 2017 – MAY 2018 | Computer, Mobile phone   |
| JUNE 2018 – MAY 2019 | Computer, Mobile phone   |
| JUNE 2019 – MAY 2020 | Computer, Mobile phone   |
| JUNE 2020 – MAY 2021 | Computer, Mobile phone   |
| JUNE 2021 – MAY 2022 | Computer, Mobile phone   |
| JUNE 2022 – MAY 2023 | Computer, Mobile phone   |
| JUNE 2023 – MAY 2024 | Computer, Mobile phone   |
| JUNE 2024 – MAY 2025 | Computer, Mobile phone   |

### IV. Mentor role

| Year                | Course and Year    | Number of students assigned | Number of Circulars with date |
|---------------------|--------------------|-----------------------------|-------------------------------|
| JAN 2015 – MAY 2016 | I B.Sc CHEMISTRY   | 4                           | 1 -22.06.2015                 |
|                     | II B.Sc CHEMISTRY  | 5                           | 2 -16.12.2015                 |
|                     | III B.Sc CHEMISTRY | 5                           |                               |
|                     | I M.Sc CHEMISTRY   | 3                           |                               |

|                      |  |                       |                                |
|----------------------|--|-----------------------|--------------------------------|
|                      | I M.Sc CHEMISTRY   | 3                     |                                |
| JUNE 2016 – MAY 2017 | I B.Sc CHEMISTRY<br>II B.Sc CHEMISTRY<br>III B.Sc CHEMISTRY<br>I M.Sc CHEMISTRY<br>II M.Sc CHEMISTRY | 6<br>4<br>5<br>3<br>2 | 1- 22.06.2016<br>2- 14.12.2016 |
| JUNE 2017 – MAY 2018 | I B.Sc CHEMISTRY<br>II B.Sc CHEMISTRY<br>III B.Sc CHEMISTRY<br>I M.Sc CHEMISTRY<br>II M.Sc CHEMISTRY | 4<br>5<br>3<br>3<br>3 | 1- 03.07.2017<br>2- 06.12.2017 |
| JUNE 2018 – MAY 2019 | I B.Sc CHEMISTRY<br>II B.Sc CHEMISTRY<br>III B.Sc CHEMISTRY<br>I M.Sc CHEMISTRY<br>II M.Sc CHEMISTRY | 3<br>3<br>4<br>3<br>3 | 1- 18.06.2018<br>2- 02.12.2018 |
| JUNE 2019 – MAY 2020 | I B.Sc CHEMISTRY<br>II B.Sc CHEMISTRY<br>III B.Sc CHEMISTRY<br>I M.Sc CHEMISTRY<br>II M.Sc CHEMISTRY | 3<br>3<br>3<br>3<br>3 | 1- 22.07.2019<br>2- 27.11.2019 |
| JUNE 2020 – MAY 2021 | I B.Sc CHEMISTRY<br>II B.Sc CHEMISTRY<br>III B.Sc CHEMISTRY<br>I M.Sc CHEMISTRY<br>II M.Sc CHEMISTRY | 3<br>3<br>3<br>3<br>3 | 1- 10.08.2020<br>2- 06.01.2021 |
| JUNE 2021 – MAY 2022 | I B.Sc CHEMISTRY<br>II B.Sc CHEMISTRY<br>III B.Sc CHEMISTRY  | 4<br>3<br>3           | 1- 09.08.2021<br>2- 05.01.2022 |

|                      |  |                       |                                 |
|----------------------|--|-----------------------|---------------------------------|
|                      | I M.Sc CHEMISTRY<br>II M.Sc CHEMISTRY  | 2<br>3                |                                 |
| JUNE 2022 – MAY 2023 | I B.Sc CHEMISTRY<br>II B.Sc CHEMISTRY<br>III B.Sc CHEMISTRY<br>I M.Sc CHEMISTRY<br>II M.Sc CHEMISTRY | 3<br>3<br>3<br>2<br>2 | 1- 25.07.2022<br>2 - 06.12.2022 |
| JUNE 2023 – MAY 2024 | I B.Sc CHEMISTRY<br>II B.Sc CHEMISTRY<br>III B.Sc CHEMISTRY<br>I M.Sc CHEMISTRY<br>II M.Sc CHEMISTRY | 2<br>2<br>2<br>1<br>2 | 1- 20.06.2023<br>2- 04.12.2023  |
| JUNE 2024 – MAY 2025 | I B.Sc CHEMISTRY<br>II B.Sc CHEMISTRY<br>III B.Sc CHEMISTRY<br>I M.Sc CHEMISTRY<br>II M.Sc CHEMISTRY | 3<br>2<br>3<br>1<br>1 | 1- 24.6.2024<br>2- 27.11.2024   |

**V. Number of full time teachers with a) M.Phil. / Ph. D. / D.Litt.**

| <b>Qualification<br/>(M.Phil./ Ph.D. D.Litt.)</b> | <b>Name of the University</b> | <b>Date of Award</b> | <b>Title of the Thesis</b>   |
|---|-------------------------------|----------------------|--|
| M.Phil.   | Annamalai University          | May - 2006           | Synthesis of Structurally related<br>Derivatives of Anti<br>Inflammatory Drugs |

**VI. Teaching experience of full time teachers in the same institution (Furnish the particulars from 1/1/2015 to 31/5/2023)**

| <b>Designation</b> | <b>Date of appointment</b> | <b>Nature of appointment (Govt., Guest Faculty, PTA)</b> | <b>Name of the Department</b> | <b>Total years of Experience in the same institution</b>   | <b>Is the teacher still serving the institution/ If not last date of the service of Faculty to the Institution</b> |
|--------------------|----------------------------|--|-------------------------------|--|--|
| Guest Lecturer     | 02.02.2015                 | Guest Faculty  | Chemistry                     | 10 I B.Sc CHEMISTRY<br>II B.Sc CHEMISTRY<br>III B.Sc CHEMISTRY<br>I M.Sc CHEMISTRY<br>II M.Sc CHEMISTRY years 3 months | Yes  |

**IX. Number of research papers per teachers in the journals notified on UGC website during the last five years.**

**9.2 International Journal**

| <b>Name of journal</b>                          | <b>Month (Volume, Issue No.)</b>       | <b>Year of publication</b> | <b>ISSN number</b> | <b>Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number</b> |  |   |
|---|--|----------------------------|--------------------|---|--|---|
|   |  |                            |                    | <b>Link to website of the Journal</b>   | <b>Link to article/paper/abstract of the article</b>                           | <b>Is it listed in UGC Care list/Scopus/Web of Science/other, mention</b> |
| International Journal of Mechanical Engineering | Vol 7 (Special Issue to, Jan-Feb.2022) | Jan-Feb 2022               | 0974-5823          |   | Title:A New composite ion exchangers for waste water treatment(pg no: 282-286) |   |

|   |   |              |           |  |   |  |
|---|---|--------------|-----------|--|---|--|
| International Journal of Mechanical Engineering | Vol 7<br>(Special Issue to, Jan-Feb.2022) | Jan-Feb 2022 | 0974-5823 |  | Title: A New Low - cost Ion Exchanges<br>(pg no: 294-298) |  |
|---|---|--------------|-----------|--|---|--|

## XII. Teachers undergoing face-to-face/ Online Faculty Development Programmes (FDP) during the last five years

| Year                 | Title of the program                            | Offline / Online | Duration (from – to)<br>(DD-MM-YYYY) | Name of the organized Institution / university |
|----------------------|---|------------------|--------------------------------------|--|
| JUNE 2018 – MAY 2019 | Challenge and changes in revised NAAC Framework | Offline          | 09.03.2019                           | M.V. Muthiah Government Arts College For Women |

## XII. PG projects guided

| Academic Year      | Course<br>(M.A. MSc., M.Com.) | Title   | Nature of the Project (Theory/ Practical / Field Visit / Internship) |
|--------------------|-------------------------------|---|--|
| JAN 2015- MAY 2016 | M.Sc.                         | 1. Analysis of various components of detergents and soaps.<br>2. Analysis of Dairy products in KC Dairy products Private Limited.<br>3. Analysing the quality of milk and milk products in KC Dairy products.<br>4. Corrosion inhibition efficiency of Sebacic acid and $Zn^{2+}$ system for carbon steel in sea water.<br>5. Electrochemical Hoffmann Rearrangement-A Green Approach.<br>6. Asafoetida as corrosion inhibitor for A1 6061 1N stimulated in concrete pore solution.<br>7. Electrochemical synthesis of polyaniline. | Practical  |

|                      |       |  |                  |
|----------------------|-------|--|------------------|
| JUNE 2016 - MAY 2017 | M.Sc. | <p>8. Indirect electrochemical oxidation process of simulated waste water containing the synthetic mordant Orange Dye in the presence of NaCl for decolorization of Textile dyeing industry.</p> <p>9. Comparative study of various Edible Oils by using Agmark standard procedure</p> <p>10. Use of nonconventional energy for the evaporation of Milk and Milk products effluents from a Milk unit at Dindigul.</p> <p>11. Chemical synthesis and characterization of Ni/Cu metal Doped Silica Nanosphere composites and its application in hazardous Textile Dye degradation.</p>         | <b>Practical</b> |
| JUNE 2017 – MAY 2018 | M.Sc. | <p>12. Investigation of corrosion resistance of carbon steel in simulated concrete pore solution by an aqueous extract of Lesser Galangal.</p> <p>13. To investigate the inhibitive action of Portulaca Quadrifida extract as Green corrosion inhibitor on carbon steel in an aqueous environment.</p> <p>14. Effect of Pentatropic Nivalis extract on the behavior of carbon steel in 1M HCl solution.</p> <p>15. An aqueous Extract of Pisonia Alba as Eco- Friendly corrosion Inhibitor FOR Carbon steel in sea water.</p>  | <b>Practical</b> |
| JUNE 2018 - MAY 2019 | M.Sc. | <p>16. Eco – friendly corrosion inhibitor for mild steel on 1M HCl solution.</p> <p>17. Bio synthesized silver nanoparticles as potent anti- corrosive inhibitor for mild steel in 0.5 M HCl solution.</p> <p>18. Antibacterial and photocatalytic degradation efficacy of silver nanoparticles biosynthesized using plant extracts.</p> <p>19. Plant mediated synthesis of silver nanoparticles for photocatalytic and antibacterial application.</p> <p>20. Enhanced Corrosion Inhibitive Properties of Carbon Steel in Stimulated concrete pore solution by new inhibitor formulation</p> | <b>Practical</b> |
| JUNE 2019 – MAY 2020 | M.Sc. | <p>21. Characterization on Anticorrosion properties of plant extract used Silver nanoparticles composites for Carbon Steel Corrosion in Sea water.</p> <p>22. Green synthesis characterization &amp; application of Ag, Cu &amp; Zn Nanoparticles</p> <p>23. Inhibition efficiency of plant extract and corrosion of carbon steel in 1M Hydrochloric acid solution.</p> <p>24. Green synthesis characterization &amp; application of Ag, Cu &amp; Zn Nanoparticles.</p> <p>25. Inhibition effect of amino acids on the corrosion resistance of mild steel in well water.</p>                 | <b>Practical</b> |
| JUNE 2020 – MAY 2021 | M.Sc. | <p>26. Inhibition efficiency of Sarcostema Acidum on carbon steel in river water medium.</p> <p>27. Inhibition efficiency of Acanthospermum Hispidum on corrosion resistance in river water</p>  | <b>Practical</b> |

|                      |       |  |   |
|----------------------|-------|--|---|
|                      |       | <p>28. Inhibition efficiency of sodium gluconate (SG) and <math>Zn^{2+}</math> system for carbon steel in sea water.</p> <p>29. Enhanced corrosion inhibitive properties of carbon steel in stimulated concrete pore solution by new inhibitor formulation</p> <p>30. Synthesis of Ag, Cu, Zn nanoparticles from <i>Neotoma curcuma zedoary</i> and its inhibition properties.</p>   |   |
| JUNE 2021 – MAY 2022 | M.Sc. | <p>31. Impact of Aqueous solution on water quality analysis in bore well water at Sendurai (Dindigul) and by Adsorption study using orange peel powder and cumin powder as adsorbents.</p> <p>32. Analysing the adverse effect of soap industry effluents on the ground water samples by analyzing the various physico-chemical parameters present in water</p> <p>33. Corrosion inhibition of L80 alloy in simulated oil well water in the presence of oxalic acid.</p> <p>34. Assessment of physico-chemical parameters of water samples and analyzing the impact of Tannery effluents on the water sample.</p> <p>35. Corrosion inhibition of L80 alloy in simulated oil well water in the presence of Mono sodium phosphate “(MSP)”.</p> | <p><b>Practical</b></p> <p><b>Field Work</b></p> <p><b>practical</b></p> <p><b>Field Work</b></p> <p><b>Practical</b></p> |
| JUNE 2022 – MAY 2023 | M.Sc. | <p>36. Influence of an aqueous extract of <i>Zingiber Officinale</i> on corrosion resistance of L80 alloy in simulated concrete pore solution.</p> <p>37. Inhibition of corrosion of Aluminium in 1M NaOH by aqueous extract of Nannari Leaves.</p>  | <b>Practical</b>  |
| JUNE 2023 – MAY 2024 | M.Sc. | <p>38. Extraction of Lutein from Yellow, White and Purple colour Flower of <i>Chrysanthemum Indicum</i> Species</p> <p>39. Comparative Study of Phytochemical Antioxidant, Antibacterial Activity of Six Different Tulasi Leaves and Silver, Gold Nanoparticles Synthesized by Green Approach</p>  | <b>Practical</b>  |
| JUNE 2024 – MAY 2025 | M.Sc. | <p>40. Green synthesis of silver nanoparticles and phytochemical analysis of <i>Couroupita guianensis</i> leaf extract and its antimicrobial activity and antioxidant studies</p> <p>41. Biogenic synthesis of silver nanoparticles and phytochemical analysis of <i>Terminalia arjuna</i> tree leaf, stem, seed extract and its antimicrobial and antioxidant activities</p>  | <b>Practical</b>  |



**XV. No. of programmes attended / participated**

| ACADEMIC<br>YEAR        | Seminars / Webinar |          |       | Conferences / Virtual Conferences |          |       | Workshops / Online Workshops |          |       |
|-------------------------|--------------------|----------|-------|-----------------------------------|----------|-------|------------------------------|----------|-------|
|                         | INTERNATIONAL      | NATIONAL | STATE | INTERNATIONAL                     | NATIONAL | STATE | INTERNATIONAL                | NATIONAL | STATE |
| JAN 2015-<br>MAY 2016   | -                  | -        | 1/-   | -                                 | -        | -     | -                            | -        | -     |
| JUNE 2016 -<br>MAY 2017 | -                  | -        | -     | -                                 | -        | -     | -                            | -        | -     |
| JUNE 2017 –<br>MAY 2018 | -                  | -        | -     | -                                 | -        | -     | -                            | -        | -     |
| JUNE 2018 -<br>MAY 2019 | -                  | -        | -     | -                                 | -        | -     | -                            | -        | -     |
| JUNE 2019 –<br>MAY 2020 | -                  | -        | -/1   | -                                 | -        | -     | -                            | -        | -     |
| JUNE 2020 –<br>MAY 2021 | -/8                | -/2      | -/17  | -                                 | -        | -     | -                            | -        | -     |
| JUNE 2021 –<br>MAY 2022 | -/1                | -/1      | -/3   | -                                 | -        | -     | -                            | -        | -     |
| JUNE 2022 –<br>MAY 2023 | -/1                | -        | -     | -                                 | -        | -     | -                            | -        | -     |
| JUNE 2023 –<br>MAY 2024 |                    |          |       |                                   |          |       |                              |          | 1     |
| JUNE 2024 –<br>MAY 2025 |                    |          |       |                                   |          |       |                              |          | 1     |

J.Jeyaseeli  
**Signature**