

## BIO DATA



Name : N. Revathi

Designation : Associate Professor

Department : Chemistry

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Srivilliputhur - 626125

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Google Scholar link:

<https://scholar.google.co.in/citations?user=KUq8np8AAAAJ&hl=en&authuser=1>  
[Revathi Nagaraj - Google Scholar](#)

### 1. Educational Qualification

:

| Degree  | Branch / Specialization | Institute/University              | Year of Passing |
|---------|-------------------------|-----------------------------------|-----------------|
| B.Sc    | Chemistry               | Madurai Kamaraj University        | 2000            |
| M.Sc    | Chemistry               | Madurai Kamaraj University        | 2002            |
| M. Phil | Chemistry               | Madurai Kamaraj University        | 2004            |
| Ph.D    | Chemistry               | Manonmanium Sundaranar University | 2018            |

### 2. Professional/ Industry Experience

: (in chronological order)

| S.No | Designation         | Institution/ Organization                                      | Period    |           |
|------|---------------------|----------------------------------------------------------------|-----------|-----------|
|      |                     |                                                                | From      | To        |
| 1    | Lecturer            | Sri Sarada Niketan College of Science for Women, Karur.        | 1.9.2004  | 13.4.2005 |
| 2    | Lecturer            | K.S.R. College of Engineering, Tiruchengode.                   | 1.6.2005  | 16.5.2009 |
| 3    | Lecturer            | P.S.R.R. College of Engineering for Women, Sivakasi            | 17.6.2009 | 6.8.2009  |
| 4    | Assistant Professor | Kalasalingam Academy of Research and Education, Krishnana Koil | 7.8.2009  | 31.3.2012 |

Updated as on 5.6.2024

|   |                              |                                                          |            |            |
|---|------------------------------|----------------------------------------------------------|------------|------------|
| 5 | Assistant Professor          | Renganayagi Varatharaj College of Engineering, Sivakasi. | 1.8.2013   | 13.02.2015 |
| 6 | Assistant Professor          | Ramco Institute of Technology                            | 09.03.2015 | 30.6.2017  |
| 6 | Assistant Professor (Sr. Gr) | Ramco Institute of Technology                            | 1.7.2017   | 31.1.2024  |
| 7 | Associate Professor - I      | Ramco Institute of Technology                            | 1.2.2024   | Till date  |

**3. Research Interest:** Bioinorganic Chemistry, Green Chemistry and Environmental Chemistry

#### 4 Publications : 10

##### 4.1 JOURNAL PUBLICATIONS

1. Revathi N & Dhaveethu Raja J (2014), "Synthesis, Structural Characterization, Antibacterial activity, DNA Cleavage and Binding study of Pyrimidine Derivative Schiff base metal complexes", International Journal of Innovative Research in Science and Engineering, 2., Pp.334-338, Impact factor: 0.998.
2. Revathi N, Sankarganesh M, Rajesh J & Dhaveethu Raja J (2017), "Biologically active Cu(II), Co(II), Ni(II) and Zn(II) complexes of pyrimidine derivative Schiff base: DNA binding, antioxidant, antibacterial and in vitro anticancer Studies", Journal of fluorescence, 27., No. 5, Pp.1801-1814, Impact factor: 2.525, DOI:10.1007/s10895-017-2118-y. (WoS)
3. Sankarganesh M, Revathi N, Dhaveethu Raja J, Sakthikumar K, Vinothkumar G G, Rajesh J, Rajalakshmi M, Mitu L (2019), "Computational, antimicrobial, DNA binding and anticancer activities of pyrimidine incorporated ligand and its copper(II) and zinc(II) complexes", Journal of the Serbian Chemical Society, 84., No. 3, Pp. 1-16, Impact factor: 1.0, DOI: <https://doi.org/10.2298/JSC180609080S>. (WoS)
4. Sankarganesh M, Dhaveethu Raja J, Revathi N, Vijay Solomon R & Senthil Kumar R (2019), "Gold(III) complex from pyrimidine and morpholine analogue Schiff base ligand: Synthesis, characterization, DFT, TDDFT, catalytic, anticancer, molecular modeling with DNA and BSA and DNA binding studies", Journal of Molecular Liquids, 294, 111655., Impact factor: 6.633, DOI: <https://doi.org/10.1016/j.molliq.2019.111655>. (WoS)
5. N. Revathi, M. Sankarganesh, J. Dhaveethu Raja, G. G. Vinoth Kumar, A. Sakthivel, R. Rajasekaran, "Bio-active mixed ligand Cu(II) and Zn(II) complexes of pyrimidine derivative Schiff base: DFT calculation, antimicrobial, antioxidant, DNA binding,

**Updated as on 5.6.2024**

anticancer and molecular docking studies”, Journal of biomolecular Structure and Dynamics, 39 (8), 3012-3024. Doi.org/10.1080/07391102.2020.1759454. Impact factor: 5.235. **(WoS)**

6. Dr. N. Revathi, Assistant Professor (Sr. Gr) published a paper on “Spectroscopic Studies on DNA interaction and anticancer activities of pharmacologically active pyrimidine derivative mixed ligand Co(II) and Ni(II) complexes” in Journal of Molecular Structure, 1252, 132079. DOI: <https://doi.org/10.1016/j.molstruc.2021.132079>. (IF = 3.841) **(WoS)**

7. S. Gurusamy, M. Sankarganesh, **N. Revathi**, R. Nandini Asha, A. Mathavan, Synthesis and structural investigation of *o*-Vanillin scaffold Schiff base metal complexes: Biomolecular interaction and molecular docking studies, Journal of Molecular Liquids, 369, 120941. DOI: <https://doi.org/10.1016/j.molliq.2022.120941>. IF = 6.633. **(WoS)**

**8. N. Revathi**, M. Sankarganesh, J. Dhavethu Raja, S. Johnson Raja, S. Gurusamy, R. Nandini Asha, T. Christopher Jeyakumar, Synthesis, spectral, DFT calculation, antimicrobial, antioxidant, DNA/BSA binding and molecular docking studies of bio-pharmacologically active pyrimidine appended Cu(II) and Zn(II) complexes, Journal of Biomolecular Structure & Dynamics, 41 (24) 14914-14928. DOI: <https://doi.org/10.1080/07391102.2023.2196696>. IF = 5.235. **(WoS)**

**9. N. Revathi**, M. Sankarganesh, J. Dhavethu Raja, J. Rajakanna, **O. Senthilkumar**, Green synthesis of *Plectranthus amboinicus* leaf extract incorporated fine-tuned manganese dioxide nanoparticles: antimicrobial and antioxidant activity, Inorganic Chemistry Communications, 154, 110935, DOI: <https://doi.org/10.1016/j.inoche.2023.110935>. IF = 3.428. (Corresponding author) **(WoS)**

10. M Sankarganesh, PA Jose, JD Raja, N Revathi, A Sakthivel, J Rajesh, Shunmugasundaram Gurusamy, Rajadurai Vijay Solomon, [Spectroscopic and theoretical approach of DNA interaction and anticancer studies of bio-pharmaceutically active pyrimidine derived Cu \(II\) and Zn \(II\) complexes](#), International Journal of Biological Macromolecules, 249, Article No: 126095. DOI: <https://doi.org/10.1016/j.ijbiomac.2023.126095>. IF=8.025. **(WoS)**

## 4.2 CONFERENCE PUBLICATIONS

1. Revathi N & Sivasamy P, (2011) “Effective removal of EDTA assisted Cobalt(II) ion by using Activated Carbon”, UGC sponsored National Seminar on Emerging Trends in Chemistry, Department of Chemistry, VHNSN College, Virudhunagar.

**Updated as on 5.6.2024**

2. Revathi N & Dhaveethu Raja J (2014), "Synthesis, Structural Characterization, Antibacterial activity, DNA Cleavage and Binding study of Pyrimidine Derivative Schiff Base Metal Complexes" in "International Conference on Advances in New materials", Department of Chemistry, University of Madras, Chennai.
3. Revathi N & Dhaveethu Raja J (2014), "Synthesis, Characterization, DNA Binding, Oxidative Cleavage of Cu(II), Co(II), Ni(II) and Zn(II) complexes of Pyrimidine Bases", UGC sponsored National Conference on Modern Trends in Chemical Sciences, Department of Chemistry, VHNSN College, Virudhunagar.
4. Revathi N & Dhaveethu Raja J (2014), "Studies on DNA Cleavage and Antibacterial Activity of the Transition metal(II) complexes using Pyrimidine Bases" in "National Conference on Advanced Coordination Chemistry", Department of Chemistry, Renganayagi Varatharaj College of Engineering, Sivakasi.
5. Revathi N & Dhaveethu Raja J (2015) "Biological Evaluation of Transition metal complexes using Pyrimidine derivative: Synthesis, Characterization, DNA Binding and Cleavage activity", National Conference on Recent Development of Bio- Inorganic Chemistry in Medicinal Fields, Department of Chemistry, Mohamed Sathak Engineering College, Kilakarai, Ramanathapuram.
6. Revathi N & Dhaveethu Raja J (2016), "Antioxidant and DNA Interaction Studies of Bioactive Cobalt Complex using 2-((4-amino-6-chloropyrimidin-2-ylimino)methyl)-4-nitrophenol" in International Conference on Chemistry of Biomolecules – Current Trends and Future Perspectives, PG & Research Department of Chemistry, Holy Cross College, Tiruchirapalli in collaboration with Department of Biochemistry, School of Biological Science, Madurai Kamaraj University, Madurai.
7. Revathi N & Dhaveethu Raja J (2017), "Biological studies of Cu(II) and Zn(II) complexes 2-((Z)-4-amino-6-chloropyrimidin-2-ylimino)methyl)-4-nitrophenol using CT DNA and DPPH radical", National Seminar on Recent Advances in Bioinorganic and Medicinal Chemistry, Department of Chemistry, VHNSN College, Virudhunagar.
8. Revathi N & Dhaveethu Raja J (2017), "Antioxidant and DNA interaction study of mixed ligand Nickel(II) complexes bearing pyrimidine derivative Schiff base", Two Day National Level Conference on Recent Developments in the Applications of Transition Metal Complexes in Bioinorganic and Medicinal Chemistry, Department of Chemistry, VHNSN College, Virudhunagar.

9. Revathi N & Dhaveethu Raja J (2019) “Bioactive Cu(II) complex of pyrimidine based Schiff base: Structure and studies on anticancer, antioxidant and DNA binding profile”, ISTE sponsored National Conference on Materials for Sustainable Development, Department of Chemistry, Ramco Institute of Technology, Rajapalayam.
10. Anantha Vel P, Venkatesh M & Revathi N, (2019), “Development of Card Board Composite using Wood Powder from *P. Juliflora* and Cement”, ISTE sponsored National Conference on Materials for Sustainable, Department of Chemistry, Ramco Institute of Technology, Rajapalayam.
11. Revathi N, Sankarganesh M & Dhaveethu Raja J (2019), “Studies on Anticancer, Antioxidant and DNA Interaction of Bio-Active Cu(II) Complex of Pyrimidine Moiety”, in International Conference in Innovative Trends in Chemical Science, Department of Chemistry, Devanga Arts College, Aruppukottai.
12. Sankarganesh M, Revathi N & Dhaveethu Raja J (2019), “Synthesis, spectroscopic characterization and biological properties of Pt(IV) complex with 2-(4-morpholinobenzylidene)-1-(4-(trifluoromethyl)pyrimidin-2-yl)hydrazine”, in International Conference in Innovative Trends in Chemical Science, Department of Chemistry, Devanga Arts College, Aruppukottai.
13. Revathi N, Sankarganesh M & Dhaveethu Raja J (2019), “Green Synthesis and Characterization of MnO<sub>2</sub> Nanoparticles from *Plectranthus Amboinicus* Leaf Extract”, in International Conference on Recent Trends in Nano Material for Energy, Environment & Engineering Applications, K. Ramakrishnan College of Technology, Trichy.
14. Revathi N, Sankarganesh M & Dhaveethu Raja J (2019), “Biological Evaluation of pyrimidine based Schiff base and its metal(II) complexes”, in International Conference on Advanced Materials and their applications, PG and Research Department of Chemistry, V. O. Chidambaram College, Thoothukudi.
15. Revathi N, Sankarganesh M & Dhaveethu Raja J (2020), “Biological investigation and antioxidant study of cobalt(II) complex bearing pyrimidine moiety”, in DST-SERB sponsored International Conference on Recent Trends in Green Chemistry and Material Science, Department of Applied Science and Humanities, Mohamed Sathak Engineering College, Kilakarai, Ramanathapuram.
16. Revathi N & Sankarganesh M (2020), “Sustainable and Cooperative Agriculture Farming with Effective Use of Mechanization and Technology”, in International Web

Conference on Smart Engineering Technologies 2020 in Ramco Institute of Technology, Rajapalayam.

17. Revathi N, Sankarganesh M & Dhaveethu Raja J (2020), “Biological Exploration of Nickel(II) complex of bidentate N, O donor Schiff base using pyrimidine derivative”, in International Virtual Conference on Recent advance in organic medicinal and biological chemistry in Division of Chemistry, School of Advanced Sciences, Vellore Institute of Technology, Chennai.

18. Revathi N, Sankarganesh M & Dhaveethu Raja J (2020), “Bioactive Cu(II) complex bearing pyrimidine moiety: Synthesis, characterization, antimicrobial, DNA binding, DNA cleavage and antioxidant activity”, in Innovations in Chemical Science 2020: An International Meet for Quality and Quantity in Division of Chemistry, School of Advanced Sciences, Vellore Institute of Technology, Chennai.

19. **Revathi N & Dhaveethu Raja J (2020)**, “Bioactive Cu(II) complex bearing pyrimidine moiety: Synthesis, characterization, antimicrobial, DNA binding, DNA cleavage and antioxidant activity” under the theme “Frontiers Area of Research – Chemical Sciences” in the Young Scientists’ Conference organized as a part of India International Science Festival – 2020 by the Ministry of Science and Technology, Ministry of Earth Sciences and Ministry of Health and Family Welfare, Govt. of India in Collaboration with Vijnana Bharathi (VIBHA) from 22.12.2020 to 24.12.2020.

20. **Revathi N & Dhaveethu Raja J (2021)** “Green Synthesis, Spectral Characterization and Antibacterial activity of Manganese Dioxide Nanoparticles” in Indo-Malaysian Two Day International e-Conference jointly organized by School of Chemistry, Madurai Kamaraj University, Madurai, Tamil Nadu, India and BioSES Research Interest Research Group, Faculty of Science and Marine Environment, Universiti Malaysia Terengganu, Malaysia, partially funded by RUSA Phase-II Scheme from 16.9.2021 to 17.09.2021.

21. **Revathi N & Dhaveethu Raja J (2021)** “Synthesis, Spectral Characterization, Antimicrobial and antioxidant activity of Mixed ligand Co(II) complex using pyrimidine derivative” in International Virtual Conference on Chemical Research for Sustainable Development organized by Department of Chemistry, SRM Institute of Science and Technology, Ramapuram, Chennai from 24.9.2021 to 25.09.2021. (Poster Presentation)

22. **Revathi N, Sankarganesh M & Dhaveethu Raja J (2022)** “Synthesis, Spectral Characterization, Antimicrobial and Antioxidant Activity of Mixed ligand Zn(II)

complex using pyrimidine derivative” in the Virtual International Conference on Multidisciplinary Research - 2022 organized by Association of Indian Biologists, Tamil Nadu on 01 May 2022.

**23. Palani Karthik, Paulraj Adwin Jose, Nagaraj Revathi, Siranjeevi Ravichandran, Murugesan Sankarganesh, Jegathalaprathaban Rajesh (2023)** “Facile green synthesis of MnO<sub>2</sub> Nanoparticles using Psidium Guajava extract for the evaluation of photocatalytic degradation of Rhodamine-B and crystal violet dyes” in the International Conference on Innovative Green Materials for Sustainable Engineering (IGMSE-2023) organized by Department of Chemistry, Institute of Science and Humanities, SIMATS School of Engineering, Chennai-602 105 on 27th & 28th February 2023.

**24. N. Revathi, M. Sankarganesh and J. Dhaweethu Raja (2023)** “Synthesis, Spectral Characterization, Antimicrobial and Antioxidant Activity of Mixed Ligand Ni(II) complex using Pyrimidine Derivative” in the International Conference on Innovative Green Materials for Sustainable Engineering (IGMSE-2023) organized by Department of Chemistry, Institute of Science and Humanities, SIMATS School of Engineering, Chennai-602 105 on 27th & 28th February 2023.

**25. N. Revathi, M. Sankarganesh (2023)** “Biosynthesis of silver nanoparticles using seeds of *Mangifera indica* and their characterization” in the International Conference on Innovative Green Materials for Sustainable Engineering (IGMSE-2023) organized by Department of Chemistry, Institute of Science and Humanities, SIMATS School of Engineering, Chennai-602 105 on 27th & 28th February 2023.

**26. Subhashree G.R., Sankarganesh M, Revathi N, Adwin Jose P (2023)** “Synthesis, Characterization, and Antimicrobial Activities of Copper Oxide-Embedded Banana Fiber for Food Packaging Materials” in the International Conference on Innovative Green Materials for Sustainable Engineering (IGMSE-2023) organized by Department of Chemistry, Institute of Science and Humanities, SIMATS School of Engineering, Chennai-602 105 on 27th & 28th February 2023.

**27. Adwin Jose P, Sankarganesh M, and Revathi N (2023)** “Synthesis, Characterization, and Biomedical Applications of Graphene-Folic Acid Nanoparticles Doped with Copper Oxide Nanoparticles” in the International Conference on Innovative Green Materials for Sustainable Engineering (IGMSE-2023) organized by Department of Chemistry, Institute of Science and Humanities, SIMATS School of Engineering, Chennai-602 105 on 27<sup>th</sup> & 28<sup>th</sup> February 2023.

**Updated as on 5.6.2024**

**28. Palani Karthik, Paulraj Adwin Jose, Nagaraj Revathi, Siranjeevi Ravichandran, Jegathalaprathaban Rajesh and Murugesan Sankarganesh (2023)** “Green Synthesis of Transition Metal Oxide Nanoparticles” in the International Conference on Recent Trends in Applied Science and Technology organized by The Department of Theoretical Physics, University of Madras, Chennai-600 005 on 16<sup>th</sup> and 17<sup>th</sup> March 2023.

**29. Revathi N & Sakthivinayagam C (2023)** “Sustainable Energy for future India” in the International Conference on Sustainable Technology in Civil Engineering and Applied Sciences organized by the Department of Civil Engineering and Department of Science and Humanities, Ramco Institute of Technology, Rajapalayam on 24<sup>th</sup> and 25<sup>th</sup> March 2023.

**30. P. Dhanesh Kumar & N. Revathi (2023)** “Analysis and Assessment of Ground Water Quality in Sattur, Virudhunagar District, Tamil Nadu” in the International Virtual Conference on Recent Trends in Organometallics and Material Science organized by the Department of Chemistry from 6.7.2023 to 7.7.2023.

#### 4.3 Book/Book chapter publications:

- Published a book Engineering Chemistry on Pearson Publications.
- Published a book chapter “Natural Products and Their Bioactive Compounds as Chemotherapeutics: Natural Products to Prevent Drug Resistance in Cancer Chemotherapy” on IGI Global on 15.03.2022.
- Published a book chapter “**Advances in Dye Degradation: Recent Techniques in Dye Degradation: An Biological Approach**” on Bentham and Science Publishers.
- O. Senthilkumar, Dr. G. Kanthimathi, Mr.K.Karpagavel, Dr. N. Revathi and Dr. M. Venkatesh Perumal, Chemistry Lab Manual.

#### 5. Funded Projects - Nil

| S.No. | Title of the project | Funding Agency | Duration | Amount | Status |
|-------|----------------------|----------------|----------|--------|--------|
|       |                      |                |          |        |        |
|       |                      |                |          |        |        |
|       |                      |                |          |        |        |

#### 6 Ph.D. guidance

| Sl.No | Scholar name | University | Topic | Status |
|-------|--------------|------------|-------|--------|
| -     | -            | -          | -     | -      |

**7 Short term Courses / Seminars /FDP/Workshop/ConferenceAttended:  
FDTP**

Faculty Development Programme Attended – 32

| Sl.No | Name of the Programme or Event                                                                                                | Duration   |            | Total number of days |
|-------|-------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------------------|
|       |                                                                                                                               | From       | To         |                      |
| 1     | Three Day Faculty Development Programme on Team Building                                                                      | 18.11.2019 | 20.11.2019 | 3                    |
| 2     | Six day faculty development programme on GE8075 Intellectual Property Rights                                                  | 02.12.2019 | 07.02.2019 | 6                    |
| 3     | FDP on “GChemPaint and LibreOffice”                                                                                           | 04.05.2020 | 10.05.2020 | 7                    |
| 4     | FDP on “Improving your Research Visibility –Research Impact and Metrics”                                                      | 11.05.2020 | 13.05.2020 | 3                    |
| 5     | FDP on “Role of Chemistry in COVID-19”                                                                                        | 13-May-20  | -          | 1                    |
| 6     | FDP on “Unlocking the Potential- Role of Unnat Bharat Abhiyan in the development of the Aspirational Districts in Tamil Nadu” | 14.05.2020 | -          | 1                    |
| 7     | FDP on “Unlocking the Potential- Role of Unnat Bharat Abhiyan in the development of the Aspirational Districts in Tamil Nadu” | 14.05.2020 | -          | 1                    |
| 8     | FDP on “Theory of Computation”                                                                                                | 18.05.2020 | 22.05.2020 | 5                    |
| 9     | International Faculty Development Program on "Advanced Materials for Sustainable Development"                                 | 15.06.2020 | 19.06.2020 | 5                    |
| 10    | One Week Faculty Development Program on "Advancements in Science and its Applications in Engineering"                         | 22.06.2020 | 26.06.2020 | 5                    |
| 11    | Online Elementary FDP on “Functional Materials for Energy, Environment and Health care                                        | 21.06.2021 | 25.06.2021 | 5                    |
| 12    | Two Days Online FDP on National Education Policy 2020                                                                         | 26.08.2021 | 27.08.2021 | 2                    |
| 13    | 7 days FDP on “Advanced Materials for Future Science"                                                                         | 6.09.2021  | 13.09.2021 | 8                    |
| 14    | Three day FDP on “Research Ethics and Innovations in Physical and Chemical Sciences”                                          | 21.09.2021 | 23.09.2021 | 3                    |
| 15    | Six Days FDP on “Emerging Research Trends in Applied Science and Technology”                                                  | 21.09.2021 | 27.09.2021 | 7                    |
| 16    | One Week International Online FDP on “Research Tools and Methodologies”                                                       | 27.09.2021 | 01.10.2021 | 6                    |
| 17    | Online One Week FDP on “Innovations in Applied Research for Science and Technology”                                           | 11.10.2021 | 18.10.2021 | 8                    |
| 18    | FDP on “Next Generation Materials and Devices”                                                                                | 13.12.2021 | 18.12.2021 | 6                    |
| 19    | FDP on “Emerging Trends in Chemistry”                                                                                         | 13.12.2021 | 15.12.2021 | 3                    |

**Updated as on 5.6.2024**

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|---|
| 20 | Five Day Virtual Faculty Development Programme on “Intellectual Property Rights”                                                                                                                                        | 02.05.2022 | 06.05.2022 | 5 |
| 21 | National One Week Faculty Development Programme on “ICT Tools for Effective Teaching Learning”                                                                                                                          | 23.05.2022 | 28.05.2022 | 6 |
| 22 | FDP on “Handling of Practical’s with Modern Equipment” (under DBT-STAR College Scheme)                                                                                                                                  | 08.07.2022 | -          | 1 |
| 23 | Online Six Day FDTP On "CY3151 - Engineering Chemistry"                                                                                                                                                                 | 25.07.2022 | 30.07.2022 | 6 |
| 24 | Six-Day Online International Faculty Development Program on Recent Trends in Applied Physics,                                                                                                                           | 25.07.2022 | 30.07.2022 | 6 |
| 25 | Six Day Faculty Development Program On “Advances In Analytical Techniques”                                                                                                                                              | 25.07.2022 | 30.07.2022 | 6 |
| 26 | Online student and Faculty Enrichment Programme “Application of some electrochemical technique to characterize the nanostructured materials & Impact on Environment and Health effects of Plastic and E-waste disposal” | 27.09.2022 | -          | 1 |
| 27 | “International Faculty Development Program on Foremost Frontiers of Material Science”                                                                                                                                   | 12.09.2022 | 20.09.2022 | 9 |
| 28 | One Week Online Faculty Development Programme-on Advances in Materials, Nano-Composites and its Applications                                                                                                            | 12.09.2022 | 17.09.2022 | 6 |
| 29 | 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education”                                                                                                                               | 19.09.2022 | 23.09.2022 | 5 |
| 30 | One Week International Online FDP on “Trends and Challenges in the development of electric vehicles & Hybrid electric vehicles (Series-I)”                                                                              | 26.09.2022 | 30.09.2022 | 5 |
| 31 | One Week Online International FDP on “Trends and Challenges in the development of Electric Vehicles and Hybrid Electric Vehicles (Series-2)”                                                                            | 14.11.2022 | 18.11.2022 | 5 |
| 32 | International Online FDP on Current Scenario in Advanced Materials Research and Nanotechnology                                                                                                                          | 14.11.2022 | 18.11.2022 | 5 |
| 33 | One week International Virtual FDP on “Mechanical Engineering and Innovations Through Advanced Technology – MEITAT-2022”                                                                                                | 14.11.2022 | 19.11.2022 | 6 |
| 34 | International Online FDP on Current Scenario in Advanced materials Research and nanotechnology                                                                                                                          | 21.11.2022 | 25.11.2022 | 5 |
| 35 | International FDP (FDP-2.0) on recent research in materials Physics and nano devices                                                                                                                                    | 21.11.2022 | 25.11.2022 | 5 |
| 36 | Five Day National Level FDP on “Effective Pedagogy for Science”                                                                                                                                                         | 29.11.2022 | 3.12.2022  | 5 |

Updated as on 5.6.2024

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|----|----------------------------------------------------------------------------|------------|------------|---|
| 37 | Five Day International FDP (online) on Engineering Materials and Catalysis | 26.12.2022 | 30.12.2022 | 5 |
| 38 | FDP on “Spectroscopic and Chromatographic Techniques”                      | 24.04.2023 | 28.04.2023 | 5 |

## Summer School

### Summer School attended – 1

| Sl.No. | Name of Programme/event                                | Duration  |           | Total number of days |
|--------|--------------------------------------------------------|-----------|-----------|----------------------|
|        |                                                        | From      | To        |                      |
| 1      | 2 <sup>nd</sup> Indian Summer School on Crystal Growth | 16.5.2022 | 21.5.2022 | 6                    |

## Conferences

### CONFERENCE ATTENDED - 15

| Sl.No | Name of the Programme/Event                                                                                                                   | Duration   |            | Total number of days |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------------------|
|       |                                                                                                                                               | From       | To         |                      |
| 1     | National Conference on Recent Advances in Metal-Organic Chemistry & Materials Science                                                         | 5.07.2007  | 7.07.2007  | 3                    |
| 2     | International Conference in Advanced Materials and its applications                                                                           | 4.3.2011   | 5.3.2011   | 2                    |
| 3     | National Conference on Advanced Materials and Applications                                                                                    | 16.12.2011 | 17.12.2011 | 2                    |
| 4     | Third National Conference on Advanced Functional Materials & Applications                                                                     | 21.03.2014 | 22.03.2014 | 2                    |
| 5     | International Web Conference on Smart Engineering Technologies 2020                                                                           | 26.06.2020 | 27.06.2020 | 2                    |
| 6     | International Conference on “Sustainable Materials and Technologies for Bio and Energy Applications”                                          | 19.05.2021 | -          | 1                    |
| 7     | Two Days Virtual International Conference on “Contemporary Tools for Sustainable Environmental Development and Emerging Diplomacy in Science” | 04.08.2021 | 05.08.2021 | 2                    |
| 8     | Virtual International Conference on Multifunctional Advanced Materials                                                                        | 09.08.2021 | 10.08.2021 | 2                    |
| 9     | One Day Virtual Multidisciplinary National Conference on Research Perspectives, Development and Innovation                                    | 25.08.2021 | -          | 1                    |
| 10    | Two Day International Virtual Conference on “Current Trends in Advanced Chemistry                                                             | 20.09.2021 | 21.09.2021 | 2                    |
| 11    | International E-conference on “Sustainable and Futuristic Materials”                                                                          | 29.11.2021 | 30.11.2021 | 2                    |
| 12    | International Conference on Emerging Biomaterials for Advanced Applications                                                                   | 21.04.2022 | 22.04.2022 | 2                    |
| 13    | 2nd International Conference on Sustainable Materials & Technologies for Bio & Energy Applications                                            | 13.07.2022 | 15.07.2022 | 3                    |

Updated as on 5.6.2024

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|----|--------------------------------------------------------------------|------------|------------|---|
| 14 | International Conference on Functional Material and Nanotechnology | 20.07.2022 | 21.07.2022 | 2 |
| 15 | National Conference RICERCA 2022                                   | 27.09.2022 | 01.10.2022 | 5 |

### Seminar

#### Seminar/Webinar/Lecture Attended - 66

| Sl.No | Name of the Programme/Event                                                                            | Date       |           | Total number of days |
|-------|--------------------------------------------------------------------------------------------------------|------------|-----------|----------------------|
|       |                                                                                                        | From       | To        |                      |
| 1     | National Seminar on Advanced Materials and its applications                                            | 5.4.2014   | -         | 1                    |
| 2     | Lecture on “Traditional Education”                                                                     | 18.10.2019 | -         | 1                    |
| 3     | Webinar on “Fine-Tuning Research Skills for Effective Writing (Thesis, Article, Proposal)”             | 3.05.2020  | -         | 1                    |
| 4     | webinar on “The Power of a Teacher”                                                                    | 4.05.2020  | -         | 1                    |
| 5     | webinar on “Effective Use of Learning Management”                                                      | 09.05.2020 | -         | 1                    |
| 6     | webinar on “Awareness on Pandemic COVID-19”                                                            | 12.05.2020 | -         | 1                    |
| 7     | webinar on “How to Formulate a Research Problem”                                                       | 13.05.2020 | -         | 1                    |
| 8     | webinar on “Arts of writing Scientific Reports”                                                        | 14.05.2020 | 15.5.2020 | 2                    |
| 9     | webinar on “American College Webinar Series-I”                                                         | 15.05.2020 | 16.5.2020 | 2                    |
| 10    | webinar on “Post Covid Academic Structures and IP”                                                     | 16.05.2020 | -         | 1                    |
| 11    | webinar on “Modern Teaching Techniques”                                                                | 17.05.2020 | -         | 1                    |
| 12    | webinar on “Material Science: Webinar Series-I”                                                        | 18.05.2020 | 23.5.2020 | 6                    |
| 13    | webinar on “Prevention of Disease Control Through Solid Waste Management”                              | 27.05.2020 | -         | 1                    |
| 14    | National Level Webinar on "Open Access Educational E-Resources                                         | 06.06.2020 | -         | 1                    |
| 15    | Webinar on “Future of Education post Covid”                                                            | 18.06.2020 |           | 1                    |
| 16    | Webinar on "Future of Education Post Covid"                                                            | 18.06.2020 | -         | 1                    |
| 17    | Webinar on "Electroanalytical Techniques"                                                              | 24.06.2020 | -         | 1                    |
| 18    | Webinar on " Art of Drafting Research Article"                                                         | 25.06.2020 | -         | 1                    |
| 19    | Webinar on "Nutrigenetics and Nutrigenomics: Ready for Clinical use or Still a Way to Go"              | 26.06.2020 | -         | 1                    |
| 20    | Webinar on “Recent Trends in Solar Energy Materials”                                                   | 26.06.2020 |           | 1                    |
| 21    | International Webinar on "Building a Peaceful Society During and Beyond Covid 19: Engineers in Action" | 29.06.2020 | -         | 1                    |

Updated as on 5.6.2024

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|---|
| 22 | Webinar on "Recent Trends in Solar Energy Materials"                                                                                                                                                        | 29.06.2020 | -          | 1 |
| 23 | Webinar on "Introduction and Importance of Yoga"                                                                                                                                                            | 29.06.2020 | -          | 1 |
| 24 | Webinar on "Shat Karma"                                                                                                                                                                                     | 29.06.2020 | -          | 1 |
| 25 | Webinar on "Importance of Physical Exercise"                                                                                                                                                                | 30.06.2020 | -          | 1 |
| 26 | Webinar on "Pranayama and Asanas"                                                                                                                                                                           | 30.06.2020 | -          | 1 |
| 27 | Two days Webinar on "Insight on Proposal for Funding Agencies and Research Writings"                                                                                                                        | 30.06.2020 | 01.07.2020 | 2 |
| 28 | Webinar on "Ailment Therapy: Medicinal and Traditional"                                                                                                                                                     | 5.7.2020   | -          | 1 |
| 29 | Webinar on "Stages Involved in Pre-Clinical Studies of Novel Drug Molecule"                                                                                                                                 | 09.07.2020 | -          | 1 |
| 30 | International Webinar on "The Journey of Supramolecular Chemistry from an Accidental Discovery to Advanced Materials"                                                                                       | 09.07.2020 | -          | 1 |
| 31 | Webinar on "Chemistry and Biology of Virus, Bacteria and Parasites"                                                                                                                                         | 19.07.2020 | -          | 1 |
| 32 | Webinar on "Desamum Namum"                                                                                                                                                                                  | 16.08.2020 | -          | 1 |
| 33 | Webinar on "A Session on Accessing T & F Journals & Open Access Features"                                                                                                                                   | 19.08.2020 | -          | 1 |
| 34 | Webinar for Faculty Development Program on "Use of LMS, Virtual Teaching and OBE Software for Engineering Colleges"                                                                                         | 20.08.2020 | -          | 1 |
| 35 | Innovations in Chemical Sciences-2020: An International Meet for Quality and Quantity"                                                                                                                      | 21.08.2020 | 22.08.2020 | 2 |
| 36 | National Webinar on "Effective and Efficient Writing of Research Papers for the Web of Science, Scopus Indexed Journal and Conference Papers using Typeset Research Studio and Nexus International Company" | 29.08.2020 | -          | 1 |
| 37 | Webinar on "Current and Future Aspects of Electro-Organic Synthesis"                                                                                                                                        | 7.09.2020  | -          | 1 |
| 38 | Webinar series on "All about scientific publishing-Trends, Nuisance, Tools, ethics, etc.,"                                                                                                                  | 09.09.2020 | -          | 1 |
| 39 | Webinar series on "Spend one hour useful forever"                                                                                                                                                           | 20.09.2020 | -          | 1 |
| 40 | Webinar on "New Education Policy -2020"                                                                                                                                                                     | 21.09.2020 | -          | 1 |
| 41 | Webinar on "Lifesaving potential of RNA Based Medicines"                                                                                                                                                    | 09.10.2020 | -          | 1 |
| 42 | Webinar on "The Need for a National Education Policy (NEP) and reforms in NEP 2020"                                                                                                                         | 10.11.2020 | -          | 1 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|---|
| 43 | Industry-Institute Webinar on “Optical and Electrical Modelling Software for Semiconductor Devices”                                                                                                        | 15.12.2020 | -          | 1 |
| 44 | Webinar on “Plastic Waste Management – The Way Ahead”                                                                                                                                                      | 22.12.2020 | -          | 1 |
| 45 | Webinar on “How to Publish Good Research Articles in High Impact Journals”                                                                                                                                 | 12.01.2021 | -          | 1 |
| 46 | Webinar on “Nanomaterials for Energy and Environmental Applications”                                                                                                                                       | 29.01.2021 | -          | 1 |
| 47 | Webinar on “Nano: Be a Part of the Next Revolution”                                                                                                                                                        | 25.05.2021 | -          | 1 |
| 48 | National level webinar on “Opportunities for Young Researchers in India and Abroad”                                                                                                                        | 08.07.2021 | -          | 1 |
| 49 | International Webinar-IV, 2021 on “How Electrochemistry and Vibrational Spectroscopy Work in Industry” and “Rechargeable Li-ion Batteries (LIBs) and Beyond: Chemist’s Role Towards Technology Development | 14.08.2021 | -          | 1 |
| 50 | Webinar on “Mental Attitude”                                                                                                                                                                               | 12.10.2021 | -          | 1 |
| 51 | Webinar on “Empowering the research activities in Higher Education Institutes”                                                                                                                             | 29.03.2022 | -          | 1 |
| 52 | Webinar on “Net Zero Carbon Emission Sustainable Pathways” on the occasion of “WORLD ENVIRONMENTAL DAY - 2022”                                                                                             | 04.06.2022 | -          | 1 |
| 53 | International Seminar on Emerging Trends and Practices in Environmental Conservation                                                                                                                       | 5.06.2022  | 6.06.2022  | 2 |
| 54 | One Day National virtual Seminar on “Yoga for Humanity” on the occasion of International Yoga Day June-21                                                                                                  | 21.06.2022 | -          | 1 |
| 55 | Webinar on “Elsevier Empowering Engineers to become Corporate Ready Solving India Specific Grand Challenges 2022”                                                                                          | 14.09.2022 | -          | 1 |
| 56 | International Seminar “On Impact Of Ozone Layer Depletion On Climate Change”                                                                                                                               | 16.09.2022 | -          | 1 |
| 57 | Webinar on “Research and development in Platinum Chemistry at University of Padova, Italy”                                                                                                                 | 17.09.2022 | -          | 1 |
| 58 | National Webinar on “Understanding of Research Ethics and plagiarism”                                                                                                                                      | 17.09.2022 | -          | 1 |
| 59 | “Bio Informatics for Healthcare” webinar                                                                                                                                                                   | 19.09.2022 | -          | 1 |
| 60 | Interdisciplinary Six-Day National Webinar cum Faculty Development Programme on Emerging Trends and Technologies in Development of Skills in Higher Education                                              | 21.11.2022 | 26.11.2022 | 6 |

|    |                                                                                                           |            |            |   |
|----|-----------------------------------------------------------------------------------------------------------|------------|------------|---|
| 61 | FAHS Science Club- National Level Faculty Seminar on “Recent Trends in Biological Research”               | 03.12.2022 | -          | 1 |
| 62 | National Webinar on “Effective ways for literature review”                                                | 9.12.2022  | -          | 1 |
| 63 | Five Day International Webinar on Current Trends and Future Advances in Chemical Sciences & Life Sciences | 13.12.2022 | 17.12.2022 | 5 |
| 64 | One Day National virtual seminar on “SEASONAL DISEASES - Winter Season - SKIN DISEASES”                   | 15.12.2022 | -          | 1 |
| 65 | online lecture on “Energy Management in Home”                                                             | 17.12.2022 | -          | 1 |
| 66 | Webinar on “Nanomaterials for Novel Applications”                                                         | 13.01.2023 | -          | 1 |

### Symposia

#### Symposia attended – 1

| Sl.No | Title of the event                 | Date       |    | Total number of days |
|-------|------------------------------------|------------|----|----------------------|
|       |                                    | From       | To |                      |
| 1     | Chemistry Symposium "ANKURAN 2022" | 28.09.2022 | -  | 1                    |

### Workshop

#### Workshop Attended – 14

| Sl.No | Title of the event                                                                                         | Date       |            | Total number of days |
|-------|------------------------------------------------------------------------------------------------------------|------------|------------|----------------------|
|       |                                                                                                            | From       | To         |                      |
| 1     | Workshop on LaTeX                                                                                          | 20.08.2011 | -          | 1                    |
| 2     | One day workshop on KLU-SAKSHAM – a brief version of MICROSOFT initiative                                  | 17.12.2012 | -          | 1                    |
| 3     | A Two Day Workshop on Writing Research papers, Citation Analysis, Plagiarism, Getting Patent and Copyright | 29.06.2018 | 30.06.2018 | 2                    |
| 4     | Science Academies’ Lecture Workshop on Developments in Chemistry                                           | 05.07.2018 | 06.07.2018 | 2                    |
| 5     | One-day workshop on Recent Trends in Green Chemistry                                                       | 11.08.2018 | -          | 1                    |
| 6     | BRNS sponsored Two-Day Workshop on Materials Synthesis and Characterization                                | 03.01.2019 | 04.01.2019 | 2                    |
| 7     | International Level e-Workshop on Angular JS                                                               | 26.06.2020 | -          | 1                    |
| 8     | One day online National Workshop on “ICT Tools for Chemistry Teachers”                                     | 22.02.2021 | -          | 1                    |
| 9     | Workshop on “Advanced Materials for Biomedical Applications”                                               | 01.12.2021 | 11.12.2021 | 11                   |
| 10    | The MHRD-SPARC, Government of India., sponsored International Workshop                                     | 20.04.2022 | 22.04.2022 | 3                    |

|    |                                                                                                                          |            |            |   |
|----|--------------------------------------------------------------------------------------------------------------------------|------------|------------|---|
|    | (Online) on "Nanofibre Based Biomedical Healthcare Materials for Infection Control"                                      |            |            |   |
| 11 | The workshop on "Recent Developments in the Plasma-based Ion Sources for Accelerators and Associated Physics Programmes" | 16.08.2022 | 17.08.2022 | 2 |
| 12 | One Day National Webinar on “Azadi Ka Amrit Mahotsav: 75 Years of Independence Day Celebrations”                         | 19.08.2022 | -          | 1 |
| 13 | International Workshop on Thermoelectric Materials and Applications                                                      | 24.08.2022 | 25.08.2022 | 2 |
| 14 | Two day National level (online) Workshop on “Role of NAAC in Enhancing Quality in Higher Education Institutions”         | 16.12.2022 | 17.12.2022 | 2 |
| 15 | National Level Workshop on “An Overview of Patents and Procedure for Protection”                                         | 20.1.2023  | -          | 1 |
| 16 | New IPR 2023 e-workshop                                                                                                  | 12.6.2023  | 17.6.2023  | 5 |

**8. Short term Courses / Seminars /FDP/Workshop/Conference organized:**

| Sl.No | Title of the event                                                  | Organized by                                                                                  | Date       |            |
|-------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------|------------|
|       |                                                                     |                                                                                               | From       | To         |
| 1     | International Conference in Advanced Materials and its applications | Department of Chemistry, Kalasalingam University, Krishnan Koil.                              | 4.3.2011   | 5.3.2011   |
| 2     | National Conference on Advanced Materials and Applications          | Department of Chemistry and Centre for Nanotechnology Kalasalingam University, Krishnan Koil. | 16.12.2011 | 17.12.2011 |
| 3     | National Conference on Advanced Coordination Chemistry              | Department of Chemistry, Renganayagi Varatharaj College of Engineering, Sivakasi.             | 19.12.2014 | 20.12.2014 |
| 4     | One-day workshop on “Recent Trends in Green Chemistry               | Department of Chemistry, Ramco Institute of Technology, Rajapalayam.                          | 11.08.2018 | -          |
| 5     | ISTE sponsored National Conference on                               | Department of Chemistry, Ramco Institute of                                                   | 11.1.2019  | 12.1.2019  |

**Updated as on 5.6.2024**

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|----|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------|------------|
|    | Materials for Sustainable Development                                                                              | Technology, Rajapalayam.                                                        |            |            |
| 6  | International Web Conference on Smart Engineering Technologies 2020                                                | Ramco Institute of Technology, Rajapalayam.                                     | 26.6.2020  | 27.6.2020  |
| 7  | Short Term Training Program on "Hands on Training: Virtual laboratory under IITM PALS VLAB (Chemistry Experiments) | ISTE Faculty Chapter and Ramco Institute of Technology, Rajapalayam             | 08.08.2020 | -          |
| 8  | National Web Conference on Challenges and Innovation in Engineering and Technology 2021                            | Ramco Institute of Technology, Rajapalayam                                      | 19.3.2021  | 20.03.2021 |
| 9  | One Week Online Faculty Development Program on "Synthesis, Characterization and Applications of Novel Materials"   | Department of Physics and Chemistry, Ramco Institute of Technology, Rajapalayam | 2.8.2021   | 6.8.2021   |
| 10 | One-day Research Webinar on "Drafting Impactful Research Articles, Project Proposals & Patents"                    | Department of Physics and Chemistry, Ramco Institute of Technology, Rajapalayam | 4.9.2021   | -          |
| 11 | Guest Lecture on "Boiler Corrosion"                                                                                | Department of Chemistry, Ramco Institute of Technology, Rajapalayam             | 3.12.2021  | 8.12.2021  |
| 12 | One Day Symposium on "Advanced Materials for Sustainable Future "                                                  | Department of Physics and Chemistry, Ramco Institute of Technology, Rajapalayam | 8.1.2022   | -          |
| 13 | International Conference on Smart Technologies and Applications - 2022                                             | Ramco Institute of Technology, Rajapalayam                                      | 11.3.2022  | 12.03.2022 |
| 14 | Seminar on "IPR in Sustainable Development"                                                                        | Department of Chemistry, Ramco Institute of                                     | 14.2.2023  | -          |

|    |                                                                                                   |                                                                                                    |           |           |
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|    |                                                                                                   | Technology,<br>Rajapalayam                                                                         |           |           |
| 15 | International Webinar on “Managing the Environmental Challenges”                                  | Rotaract Club and Eco Club, Ramco Institute of Technology, Rajapalayam                             | 7.3.2023  | -         |
| 16 | International Conference on Sustainable Technology in Civil Engineering and Applied Sciences      | Department of Civil Engineering and Science Humanities, Ramco Institute of Technology, Rajapalayam | 24.3.2023 | 25.3.2023 |
| 17 | Lecture on “Professional Ethics for Chemists”                                                     | Department of Chemistry, Ramco Institute of Technology, Rajapalayam                                | 17.4.2023 | -         |
| 18 | Webinar on “ Bio Plastics as alternatives to Synthetic Plastics for Environmental Sustainability” | Department of Chemistry, Ramco Institute of Technology, Rajapalayam                                | 2.6.2023  | -         |

## 9. Online Courses

| S. No. | Course title                                                          | University                                 | Date       |
|--------|-----------------------------------------------------------------------|--------------------------------------------|------------|
| 1      | Introduction to Physical Chemistry                                    | University of Manchester                   | 06.06.2016 |
| 2      | Introduction to Thermodynamics:Transferring Energy from here to there | University of Michigan                     | 09.08.2016 |
| 3      | Introduction to Chemistry: Reactions and Ratios (With Honors)         | Duke University                            | 03.03.2017 |
| 4      | Introduction to Chemistry: Structures and Solutions (With Honors)     | Duke University                            | 08.05.2017 |
| 5      | Basic Steps in Magnetic Resonance                                     | EDX                                        | -          |
| 6      | Environmental Protection and Sustainability                           | Ben-Gurion University of the Negev         | 14.01.2018 |
| 7      | Energy, Environment and Everyday Life                                 | University of Illinois at Urbana-Champaign | 02.05.2019 |
| 8      | Structure of Materials, Part 1: Fundamentals of Materials Structure   | Massachusetts Institute of Technology      | 11.03.2019 |
| 9      | Basic Analytical Chemistry                                            | The University of Tokyo                    | 24.03.2020 |

Updated as on 5.6.2024

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|----|----------------------------------------------------------------|------------------------------------------------------------------------|------------|
| 10 | Introduction to Sustainability                                 | University of Illinois at Urbana- Champaign                            | 18.06.2020 |
| 11 | Chemistry                                                      | University of Kentucky                                                 | 02.08.2020 |
| 12 | Drinking Water Treatment                                       | MIT, USA                                                               | 3.8.2020   |
| 13 | The Health Effects of Climate Change                           | Harvard University                                                     | 3.8.2020   |
| 14 | Structure of Materials                                         | MIT, USA                                                               | 4.8.2020   |
| 15 | Introduction to molecular spectroscopy                         | University of Manchester                                               | 11.8.2020  |
| 16 | Nanotechnology: A Maker's Course                               | Duke University                                                        | 12.10.2020 |
| 17 | Nanotechnology and Nanosensors Part I                          | Israel Institute of Technology                                         | 25.10.2020 |
| 18 | Mastering bitumen for better roads and innovative applications | Ecole des Ponts Paris Tech                                             | 05.11.2020 |
| 19 | Advanced Chemistry                                             | University of Kentucky                                                 | 15.11.2020 |
| 20 | Ecology: Ecosystem Dynamics and Conservation                   | American Museum of Natural History and Howard Hughes Medical Institute | 21.09.2021 |
| 21 | Mycelium Growth Net Logo Web                                   | Coursera Project Network                                               | 17.05.2022 |
| 22 | Materials Data Science and Informatics                         | Georgia Institute of Technology                                        | 18.05.2022 |
| 23 | Global Health: An Interdisciplinary Overview                   | University of Geneva                                                   | 21.06.2022 |
| 24 | Building an Ecosystem Model with Insight Maker                 | Coursera Project Network                                               | 28.08.2022 |
| 25 | Nanotechnology and Nanosensors – Part 2                        | Technion Israel Institute of Technology                                | 27.4.2023  |
| 26 | Introduction to Calculus                                       | The University of Sydney                                               | 4.7.2023   |

#### 10. Patents filed/awarded:

| Sl. No. | Title                                        | Application No. | Filed Date | Status                                        | Inventor(s)                                                                      |
|---------|----------------------------------------------|-----------------|------------|-----------------------------------------------|----------------------------------------------------------------------------------|
| 1.      | Modest Real Emancipation Tactics for Glasses | 202141045669 A  | 07.10.2021 | Published 19.11.2021<br>FER replied 12.7.2023 | Mr. B. Ramkumar,<br>Dr. N. Revathi,<br>Mr. C. Munichelvam<br>Dr. O. Senthilkumar |

#### 11. Membership in Professional societies:

- ISTE Life Time Membership
- IEFPR Professional Membership

Updated as on 5.6.2024

- American Chemical Society Membership

## 12. Awards, Recognition & Achievements:

**Received Supervisor recognition from Anna University with Reference No. 3670003.**

- **Received Supervisor recognition from Anna University with Reference No. 3670003.**
- BEST PAPER award for the presentation of paper entitled with “Studies on DNA Cleavage and Antibacterial Activity of the Transition metal(II) complexes using Pyrimidine Bases” in the *DST sponsored National Conference on Advances in Coordination Chemistry* held on 19<sup>th</sup> and 20<sup>th</sup> December, 2014 at Department of Chemistry, Renganayagi Varatharaj College of Engineering, Sivakasi.
- Won Second Prize for the presentation of paper entitled with “Biological Evaluation of Transition metal complexes using Pyrimidine derivative: Synthesis, Characterization, DNA Binding and Cleavage activity” in *National Conference on Recent Development of Bio-Inorganic Chemistry in Medicinal Fields* held on 28<sup>th</sup> and 29<sup>th</sup> August, 2015 at Department of Chemistry, Mohamed Sathak Engineering College, Kilakarai, Ramanathapuram.
- Received Cash Award Rs. 25000/- for the project of “Removal of Labels in the Food Beverage Bottles” at Ruby Food Products, Madurai.
- Received “Certificate of Appreciation” from Sri Saradha Niketan College of Science for Women for achieving 100% result for the subject General Chemistry.
- Received “Certificate of Appreciation” from K.S.R. College of Engineering for achieving 100% result for the subject Environmental Science and Engineering.
- Received “Certificate of Appreciation” from Renganayaki College of Engineering for achieving 100% result for the subject Engineering Chemistry-I in 2 times.
- Received “Certificate of Appreciation” from Ramco Institute of Technology for achieving 100% result for the subjects Engineering Chemistry-I & II and Environmental Science and Engineering in 8 times.
- Four of My Project Students got First Prize with Certificate of Appreciation and a Cash Prize of Rs.10000 in the National Science Day Exhibition, held at Ramco Institute of Technology, Rajapalayam, on Feb. 2018.
- Received incentive Rs. 3000/- for publication of paper in journal for the year 2018
- Received seed money Rs. 4000/- from Ramco institute of Technology for final year project in the academic year 2018-2019
- Received incentive Rs. 2000/- for publication of paper in journal for the year 2019.
- Received incentive Rs. 4000/- for publication of paper in journal for the year 2020.

**Updated as on 5.6.2024**

- **Received Mentorship** for CSIR Summer Research Training program during June-August 2020 coordinated by CSIR-NEIST, Jorhat and submitted 11 project proposals for this program
- Received incentive Rs. 8000/- for publication of paper in journal for the year 2021.
- **Received Certificate of Appreciation** for faculty mentor for the course “Clean and Green Campus” from Indo Universal Collaboration for Engineering Education (IUCEE) Foundation June 2022
- Editor, Association of Global Academician and Researchers (AGAR), ISBN: 978-93-91387-36-5. February 2022, Tamil Nadu, India.
- **Received Certificate of Appreciation for “The Best Library User”** for the year 2023.

**Any others (Board of studies/Governing Council/Staff Selection/ Reviewer/other duties)**

### **Acted as a Reviewer**

| <b>S. No.</b> | <b>Name of the Journal</b>                                                                                 | <b>Invitation Date</b>   |
|---------------|------------------------------------------------------------------------------------------------------------|--------------------------|
| 1.            | Journal of Biomolecular Structure and Dynamics                                                             | 10.08.2020 & 01.11.2020  |
| 2.            | IGI Global                                                                                                 | 02.11.2021 & 25.12.2021  |
| 3.            | Journal of Oncology                                                                                        | 03.03.2022               |
| 4.            | International Conference on Smart Technologies and Applications (ICSTA-2022)                               | 11.03.2022 & 12.03.2022  |
| 5.            | Environmental Science Archives                                                                             | 14.01.2023               |
| 6.            | International Conference on Sustainable Technology in Civil Engineering and Applied Sciences (ICSTCA-2023) | 24 .03.2023 & 25.03.2023 |
| 7.            | Chemistry Select                                                                                           | 26.2.2024                |
| 8.            | Qeios Journal                                                                                              | 11.4.2024                |

- Convener for Complaints & Grievance Redressal Committee during the academic year 2018-2019
- Coordinator in Eco Club
- Office Bearer in NSS
- Time Table in charge (2015-2021)
- Faculty Member in Charge for preparation of College Magazine
- Class Adviser (2019-2020 and 2020-2021)
- Active Member in Youth Red Cross Society
- Coordinator for NAAC Criteria – II & VI (2020 onwards)
- Coordinator for NBA Criteria – VIII (2020 onwards)
- Academic Coordinator (2020 onwards)
- Domain Coordinator (CY3151 and BS3171-2023-2024)
- RIT RC Member (2020-2023)
- Newsletter in Charge
- Academic Coordinator – S & H (2020-2021)

**Updated as on 5.6.2024**

- Eco Club – Coordinator (2018 onwards)
- Library Committee Member (2022-2024)
- ISO Internal Auditor
- Mentor
- Admission in charge for Theni district