

## STAFF PROFILE

- 1) Name : Dr.N.GUNAVATHY
- 2) Designation : ASSISTANT PROFESSOR & HEAD
- 3) Department : CHEMISTRY
- 4) Qualification : M.Sc., M.Phil., M.Ed., PGDCA., Ph.D.
- 5) Experience : Teaching: 9 Years (School Teaching) + 15Years (College Teaching)  
Research: 8 Years
- 6) Area of Specialization (s) : Organic Chemistry, Corrosion Studies, Nanochemistry, Phytochemistry
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### 8) Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
Vocational	Type Writing Junior	Department of Technical Education Tamilnadu	1992
Certification	Word Star	Bharath Information Technology Coimbatore	1993
Vocational	Type Writing Senior	Department of Technical Education Tamilnadu	1994
Diploma	PGDCA	Bharathiar University Coimbatore	2007
Course	First Aid	St. John Ambulance, Tamil Nadu State Chennai	18.09.2010

### 9) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	1	3
M. Phil.	3	-

## 10) Research Publications

### International

1. **N.Gunavathy** & S.C.Murugavel. Corrosion Inhibition Studies of Mild Steel in Acid Medium Using *Musa acuminata* Fruit Peel Extract. *E-Journal of Chemistry* (2012), Vol. 9, No.1, Page.487 - 495.
2. **N.Gunavathy** & S.C.Murugavel. Study on the Effect of *Musa acuminata* Flower Extract on the Corrosion Inhibition of Mild Steel in 1N H<sub>2</sub>SO<sub>4</sub>. *International Journal of Chemical Sciences* (2013). Vol.11, No.1, Page. 475 - 486.
3. **Gunavathy.N.** Phytochemical Constituents and Antioxidative Property of *Musa acuminata* Flower as Green Corrosion Inhibitor of Mild Steel in Acid Media. *Ancient Science of Life* (2013). Vol. 32 Issue 6 (Supplement) Page. 8.
4. **N.Gunavathy** & S.C.Murugavel. Studies on Corrosion Inhibition of *Musa acuminata* Flower Extract on Mild Steel in Acid Medium. *Asian Journal of Chemistry* (2013). Vol.25, No.5, Page. 2483 - 2490.
5. **N.Gunavathy** & S.C.Murugavel. Corrosion Inhibition Study of Bract Extract of *Musa acuminata* Inflorescence on Mild Steel in Hydrochloric Acid Medium. *International Organization of Scientific Research, IOSR Journal of Applied Chemistry (IOSR- JAC)* (2013). Vol.5, No.2, Page.29 - 35.
6. **Gunavathy.N,** Dr.S.Padmavathy & Dr.S.C.Murugavel. Preliminary Phytochemical Observation of *Musa* Species Flower. *Asian Academic Research Journal of Multidisciplinary (AARJMD)* (2013). Vol.1, Issue .14, Page.201 – 212.
7. **N.Gunavathy & S.C.Murugavel.** Corrosion Inhibition of Mild Steel in Acid Medium Using *Musa acuminata* Flower Extract. *Journal Environmental Nanotechnology.* (2013). Vol. 2, No 4, Page 45 – 50.
8. **Gunavathy.N & N.Megala.** Screening of Phytochemical Constituents in Solvent Extracts of *Acorus Calamus*. *Kongunadu Research Journal* (2014). Vol. 1, N. 1, Page 38 – 41.
9. **N.Gunavathy,** Dr.S.Padmavathy & Dr.S.C.Murugavel. Phytochemical Evaluation of *Musa acuminata* Bract Using Screening, FTIR and UV-Vis Spectroscopic Analysis. *Journal of International Academic Research for Multidisciplinary (IJRAM)* (2014). Vol. 2, Issue 1, Page 212 - 221.
10. **N.Gunavathy** & S.C.Murugavel. *Musa acuminata* Bract Extract as Corrosion Inhibitor for Mild Steel. *Chemical Science Review and Letters* (2014). Vol. 3, Issue 11(S), Page 70 -79.

11. **N.Gunavathy**, S.Padmavathy & S.C.Murugavel. Phytochemical Screening of Unripe Green Fruit Peel of *Musa acuminata*. *International Journal of Chemical Engineering* (2014) Vol. 7, No.1, Page 11 - 15. Serials Publications.
12. **Dr.N.Gunavathy** & Dr.S.C.Murugavel. Inhibitive Performance of *Musa acuminata* Fruit Peel Extract on the Corrosion of Mild Steel in Sulphuric Acid Medium. *Asian Journal of Research in Chemistry* (2014). Vol. 7, No. 6, Page 600 - 604.
13. **Gunavathy.N**, T.Amalorpavathavitha, J.Anthoniammal, J.Gowri, P.Nithya, K.Radhamani, K.Suganthi, K.Dhanalakshmi. Investigation on Various Parameters of Soaps and Detergents. *Kongunadu Research Journal* (2014). Vol. 1, No. 2, Page 35 - 40.
14. **Gunavathy.N** & A.Subarna. Chemical Characterization of the Active Constituents Present in Different Forms of *Embllica Officinalis* (Amla). *Kongunadu Research Journal* (2014). Vol. 1, No. 2, Page 58 - 64.
15. V.Kavitha & **Dr.N.Gunavathy**. Evaluation of *Daucus Carota* Aerial Extract as Corrosion Inhibitor of Mild Steel in Hydrochloric Acid Medium. *International Journal of Research in Advent Technology* (2014). Vol. 2, No. 7, Page 146 - 154.
16. V.Kavitha & **N.Gunavathy**. Quantum Chemical Studies on Inhibition Efficiency of Organic Molecules of *Daucus Carota* Against Corrosion of Metal. *Asian Journal of Multidisciplinary Studies* (2014). Vol. 2, Issue 8, Page 125 - 131.
17. **N.Gunavathy** & S.C.Murugavel. Electrochemical and Thermodynamic Studies on the Anticorrosive Performance of *Musa acuminata* Extract on Mild Steel in Acid Medium. *Journal of Chemical, Biological and Physical Sciences. Section A: Chemical Sciences*. (2014). Vol. 2, No. 4, Page 3053 – 3063.
18. V.Kavitha & **N.Gunavathy**. Comparative Study on Phytochemical Screening and HPLC Analysis of *Daucus Carota* Pulp and Aerial Parts. *International Journal for Scientific Research and Development* (2014). Vol. 2, Issue 7, Page 566 – 569.
19. V.Kavitha & **Dr.N.Gunavathy**. Quantum Chemical Studies on Efficiencies of Catechin, Epicatechingallate, Epigallocatechin and Quercetin as Corrosion Inhibitor. *PSGCAS Search: A Journal of Science and Technology*. Vol. 2, No.2. Page 09 – 17.
20. **N.Gunavathy** & S.C.Murugavel. Thermodynamic Properties and Inhibitor Adsorption Behaviour of *Musa acuminata* Flower Extract on Mild Steel in Phosphate Environment. *Chemical Science Review and Letters* (2015). Vol. 4, No. 14, Page 711 - 718.
21. **Gunavathy.N** and Janet Mary Stella.S. A Study of *Musa acuminata* (AAA Group) ‘Red Dacca’ Flower Extract as Corrosion Inhibitor for Mild Steel in Acid Media. *Kongunadu Research Journal*. (2016). Vol. 3, No.2, Page 7 – 13.

22. Kavitha. V and **Dr.N.Gunavathy**. Theoretical Studies on Corrosion Inhibition Effect of Coumarin and its Derivatives against Metals Using Computational Methods. *International Journal of Engineering and Techniques*. (2016). Volume 2, Issue 6, Page 105 – 112.
23. V.Kavitha & **Dr.N.Gunavathy**. Mild Steel Corrosion Inhibition by *Daucus Carota* Pulp Extract in 1N Hydrochloric Acid Medium. *International Journal of Scientific Research in Science and Technology. Themed Section: Science and Technology* (2016). Vol. 2, Issue 6, Page 249 – 256.
24. **Gunavathy.N** & M. Sangeetha. Corrosion Inhibition Performance of Pink, Orange and White Coloured *Bougainvillea Glabra* Bract Extract on Mild Steel in 1N HCl. *Kongunadu Research Journal* (2017) Vol. 4, No.1, Page 59 – 64.
25. Kavitha.V & **N.Gunavathy**. Computational Investigations on Curcumin and Demethoxy Curcumin as Corrosion Inhibitors: A Comparative Analysis. *International Journal for Research Trends and Innovation* (2017). Vol. 2, Issue.3, Page 18 - 24.
26. Kavitha.V, **Dr.N.Gunavathy** & Poovarasi. S. Efficacy of Seed Extracts of *Momordica Charantia* on the Corrosion Inhibition of Mild Steel in 1N HCl Using Phytochemical Screening, Weight Loss Measurement and Quantum Chemical Studies. *International Journal of Advance Research and Innovative Ideas in Education. IJARIE* (2017). Vol. 3, Issue 4, Page.1700 – 1712.
27. Kavitha.V & **Dr.N.Gunavathy**. Molecular Docking Studies and Orbital Analysis to identify Anticancerous Potentials to Prevent Breast Cancer. *International Journal of Scientific Research in Computer, Engineering and Information Technology* (2017). Vol. 2, Issue 4, Page 483 – 488.
28. Dhanasekar Elumalai, Ramachandran Gnanasekaran, Saraswathi Leelakrishnan, **Gunavathy Nachimuthu**, Tharnaikkarasu Kannan, Thirumalai Perumal Paramasivam And Kamalraja Jayabal. InCl<sub>3</sub> – Assisted Eco-Friendly Approach for N-Fused 1,4-Dihydropyridine Scaffolds, via Ring Opening Michael Addition of Cyclic Nitroketene and Iminocoumarin Synthesis and DFT Studies. *Chemistry Select. Organic & Supramolecular Chemistry* (2018). Vol.3, Page 2070 – 2079.
29. V.Kavitha, **Dr.N.Gunavathy**, K.Sreelakshmi. *Bauhinia acuminata* Leaf Extract as Corrosion Inhibitor for Mild Steel in 1N Hydrochloric Acid Medium: An Experimental and Computational Investigation. *International Journal and Analytical Review* (2018). Vol. 5. Issue 2, Page 1845 – 1852.
30. V.Kavitha, **Dr.N.Gunavathy** & C.B.Bhavana. Leaves Extract of *Grevillea Robusta* as Eco-Friendly Corrosion Inhibitor for Mild Steel in 1N Hydrochloric Acid Medium.

*International Journal of Technical Innovation in Modern Engineering and Science* (2018). Vol. 4, Issue 6, Page 581 – 591.

31. V.Kavitha & **Dr.N.Gunavathy**. Phytochemical Screening, Weight Loss Measurement, Surface Examination and Quantum Chemical Analysis of *Phaseolus Vulgaris* Seed Extract as Green Corrosion Inhibitor for Mild Steel in 1N HCl Medium. *International Journal for Research in Engineering Application and Management*. IJREAM. (2019). Vol. 05, Issue 01, Page 472 – 476.
32. V.Kavitha & **Dr.N.Gunavathy**. Seed Extract of *Lablab Purpureus* as Green Corrosion Inhibitor for Mild Steel in 1N Hydrochloric Acid Medium: Experimental and Computational Investigations. *Journal of Emerging Technologies and Innovative Research (JETIR)* (2019). Volume 6, Issue 5, Page 64 – 72.
33. V.Kavitha & Dr.N.Gunavathy. Virtual Screening of Phytocompounds of *Andrographis Paniculata* as Antivenom for *Bungarus Caeruleus*. *International Journal of Scientific Research and Engineering Development*. Volume 2, Issue 3, Page 1 – 3.
34. **Dr.N.Gunavathy** & Dr.S.C.Murugavel. *Musa acuminata* as Commercial Green Corrosion Inhibitor for Economical Loss Due to Corrosion of Materials. *Intercontinental Journal of Finance Research Review*. (2019). Volume 7, Issue 9, Special Edition II, Page 370 – 375.
35. Kavitha.V & **Dr.N.Gunavathy**. Preliminary Phytochemical Analysis and Characterization of *Phaseolus Lunatus* Seed Extract in Methanol. *Journal of Interdisciplinary Cycle Research*. (2020). Volume XII. Issue III, Page 455 – 461.
36. Kavitha.V, **Dr.N.Gunavathy**. Quantum Chemical Analysis of Deguelin Dehydrodeguelin, Linoleic Acid, Linoleic Acid of *Lablab Purpureus* Seeds. *Journal of Engineering Sciences* (2020). Volume 11, Issue 3, Page 413 – 422.
37. Kavitha.V, **Dr.N.Gunavathy**. Seed Extract of *Phaseolus Lunatus* as Ecofriendly Corrosion Inhibitor for Mild Steel in 1N HCl Medium. *Compliance Engineering Journal* (2020). Volume 11. Issue 8, Page 463 – 473.
38. V.Kavitha, **N.Gunavathy** and K.Bhagyalakshmi. Experimental and Computational Investigation on *Urginea Indica* Bulb Extract as Corrosion Inhibitor for Mild Steel in 1N Hydrochloric Acid Medium. *International Journal of Humanities & Sciences*. Volume 1, Issue 1, (2021). Page 129 -134.
39. Gladiyarani.S and **Dr.N.Gunavathy**. Preliminary Phytochemical Analysis of Cactus Stem Extract. *International Journal of Advance Research Ideas and Innovations in Technology*. Volume 7, Issue 3, v713 – 1728, (2021). Pages 1130 – 1132.

40. Gladiyarani.S and **Dr.N.Gunavathy**. *Cereus Repandus* as an Inhibitor of Mild Steel Corrosion in Acid Media. *International Journal of Innovative Science, Engineering & Technology IJISSET*. Volume 8, Issue 8. (August 2021). Page 593 – 599.
41. Pinki Mahur & **Dr.N.Gunavathy**. Green Synthesis of ZnO Nanoparticles using *Musa acuminata* ‘Red Dacca’ peel extract structural characterization and antibacterial studies. *International Journal of Humanities & Sciences*. Volume 1, Issue 2, (2021). Page 186 - 190.

## National

1. **Gunavathy.N**. Hallucination – Psychoactive Effect of Medicinal Plants. *Edu Quest – Journal for Emerging Researchers – A Diamond Jubilee Multidisciplinary Publication by Nirmala College for Women, Coimbatore* (2009). Page126 – 133.
2. Kavitha.V & **Gunavathy.N**. Insilico Screening of Glycine Max for Anticancerous Potentials against Breast Cancer. *Nirmala Annual Research Congress (NARC-2013)* (2013). Page 16 - 19.
3. **Dr.N.Gunavathy** & Betsy.I. Effects of Iron and Alumina on Cement Manufacturing. *Nirmala Annual Research Congress*. (2017). Page 01 – 05.
4. **Dr.N.Gunavathy** & Devi Brindha.K. Studies on the Biochemical Parameters of White Tea in Different Cultivars. *Nirmala Annual Research Congress*. (2017). Page 06 – 09.
5. **Dr.N.Gunavathy** & Rohini.K. Quality Analysis of Milk and Milk Products like Ghee, Butter and Curd. *Nirmala Annual Research Congress*. (2017). Page 10 – 13.
6. Kavitha.V&**Dr.N.Gunavathy**. Application of Natural Compounds from *Andrographis Paniculata* against Bungarus Caeruleus Venom Phospholipase as an Antidote. *Nirmala Annual Research Congress*. (2017). Page 14 – 17.
7. **Dr.N.Gunavathy** & Dr.S.C Murugavel. Potential of *Musa acuminata* Bract Extract as Corrosion Inhibitor for Mild Steel in Phosphoric Acid Environment. *Nirmala Annual Research Congress (NARC 2018)*. (2018). Page174 - 177.
8. **Dr.N.Gunavathy** & Anjali K Das. Qualitative and Quantitative Analysis of Different Brands of Milk. *Nirmala Annual Research Congress (NARC 2018)*. (2018). Page178 - 180.
9. V.Kavitha & **Dr.N.Gunavathy**. Insilico Analysis on Phytonutrients of *Phaseolus Lunatus* against E Coli Infections. *Nirmala Annual Research Congress (NARC 2018)*. (2018). Page181 - 185.
10. Saraswathi Leelakrishnan & **Gunavathy Nachimuthu**. InCl<sub>3</sub>-Assisted Eco-Friendly Approach for N-Fused 1, 4-Dihydropyridine Scaffolds via Ring Opening Michael

- Addition of Cyclic Nitroketene and Iminocoumarin: Synthesis and DFT Studies. Nirmala Annual Research Congress (NARC 2018). (2018). Page 186 – 189.
11. A.R.Sharmila & **N.Gunavathy**. Green Synthesis and Characterization of Copper Oxide (CuO) Nanoparticle using *Prunus Persica* Leaf Extract and its Antimicrobial Activity. Nirmala Annual Research Congress (NARC 2018). (2018). Page 190 – 194.
  12. S.Gladiyarani & **Dr.N.Gunavathy**. Plant Extract as Corrosion Inhibitor of Mild Steel in 1N H<sub>2</sub>SO<sub>4</sub> Solution. Nirmala Annual Research Congress (NARC 2019). (2019). Page 349 – 354.
  13. A.Agnes Metillda & **Dr.N.Gunavathy**. Eco Friendly Synthesis of Silver Nanoarticle using *Musa Acuminata* Floweret Extract and its Antimicrobial Properties. Nirmala Annual Research Congress (NARC 2019). (2019). Page 419 - 423.
  14. V.Kavitha & **Dr.N.Gunavathy**. GCMS Analysis and Molecular Docking Studies on Phytochemicals of *Phaseolus Lunatus* Seed Extract in Methanol to Control *Klebsiella Pneumonia* Infection. Nirmala Annual Research Congress (NARC 2019). (2019). Page 542 – 546.
  15. Saraswathi Leelakrishnan & **Gunavathy Nachimuthu**. InCl<sub>3</sub>– Catalyst One Pot Approach for the Synthesis of Spiro Benzoxazino Oxindole Derivatives. Nirmala Annual Research Congress (NARC 2019). (2019). Page 547 – 551.
  16. **Dr.N.Gunavathy** & G.Aruna. Green Synthesis and Characterization of Lead Oxide (PbO) Nanoparticle using *Phyllanthus Acidus* Leaf Extract. Nirmala Annual Research Congress (NARC 2019). (2019). Page 552 – 557.

## 11) Publication as Book Chapter

1. **Experimental and Computational Investigation on *Delonix Elata* Leaf Extract as Corrosion Inhibitor for Mild Steel in Acid Medium**  
**Dr. Gunavathy. N**, Suganya. R and Kavitha. V  
Published as Book Chapter in Research Methodology Volume I. Chapter 3, ISBN: 978-93-90420-52-0. Publisher: AkiNik Publications, New Delhi, Publication Year 2020. Page 25 – 36.
2. Thickest Book in the World – World Book of Records UK  
**Dr.N.Gunavathy**  
**Quantum Chemical Approach on Corrosion Inhibition Performance of Aquatic Shell Extract in Acid Medium on Metal Surface.**  
Page 1174 - 1180  
Latest Innovation for Future Education (LIFE 2021), ESN Publications, Chennai.  
ISBN 978-81-947019-0-3. 30.01.2021.  
Book Title: Medical and Healthcare (441 – 1202)

## 12) Other Publications

### (Proceedings)

1. **N.Gunavathy.** Nano in Medical Field. UGC Sponsored National Seminar on “Nano Science and Technology – A Chemistry Perspective”. Department of Chemistry, Nirmala College for Women, CBE, on 24<sup>th</sup> September 2009. Page 1 – 5.
2. **N Gunavathy.** Bioproduct as an Environmentally Safe Inhibitor for Corrosion of Mild Steel in Acidic Medium. UGC, CSIR, DRDO, INSA, TNSCST, TNSCHE – Sponsored International Conference on Bio resource Technology – Its Applications & Achievements Organized by Department of Botany, Nirmala College for Women, CBE in Collaboration with Salim Ali Centre for Ornithology and Natural History Anaikatty CBE-641 108, Biogeneic, Institute of Biotechnology Namakkal and Manian Laboratories Pvt Ltd, CBE - 4 on 7<sup>th</sup>& 8<sup>th</sup> October 2010. Published by Nirmala College for Women, CBE. Page 294 – 299.
3. **Gunavathy.N & S.C.Murugavel.** Study on the Effect of Musa Species Flower Extract on the Corrosion Inhibition of Mild Steel in 1N H<sub>2</sub>SO<sub>4</sub>. UGC Sponsored National Seminar on “Chemistry – A Solution to Global Challenges”, Organized by Department of Chemistry, Nirmala College for Women (Autonomous), Coimbatore – 641 018, on 24<sup>th</sup> February 2012. Page 37 – 43.
4. **Gunavathy.N & S.C.Murugavel.** Inhibitory Effect of *Musa* Species Fruit Peel Extract on the Corrosion of Mild Steel in Acid Medium. National Conference on Developing Scenario in Applied Sciences and Communicative English - CONFLUENCE 2012 Organized by Department of Science and Humanities, Kumaraguru College of Technology, CBE 49 on 2<sup>rd</sup> & 3<sup>rd</sup> March 2012. Published by Inder Publications CBE - 25. Page C23 - C26. ISBN: 978-93-80716-46-6.
5. **Gunavathy.N & S.C.Murugavel.** Corrosion Inhibition of Mild Steel in Acid Medium Using *Musa Acuminata* Flower Extract. UGC Sponsored National Conference on Advanced Materials for the Emerging Technologies – CAMET 2013’, Organized by PG and Research Department of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science (Autonomous), CBE – 20, on 11<sup>th</sup>& 12<sup>th</sup> July 2013. Published by IENT Publications, Erode. Publication 1, Page 176 – 181, 2013. ISBN: 978-81-926279-3-9.
6. **Gunavathy.N. & Murugavel, S.C.** “ Corrosion Inhibition of Mild Steel in Acid Medium Using *Musa Acuminata* Flower Extract”, Journal of Environmental Nanotechnology, Conf. Proc. 003, 2013. National Conference on Advanced Materials and Emerging Technology – CAMET 2013, ISBN 978-81-926279-2-2). J. Environ. Nanotechnol. ISSN 2279 – 0748 [Print], ISSN 2319 – 5541 [E] (Online). {[Http://Www.Nanoient.Org/Jent](http://www.nanoient.org/jent)}.
7. **Dr.N.Gunavathy.** “Natural Resource as Environment Friendly Corrosion Inhibitor for Mild Steel in Acid Media” UGC Sponsored two Day National Seminar on



- “Trends in Environmental Resource Management” Organized by PG and Research Department of Zoology, Nirmala College for Women, Coimbatore in Collaboration with Department of Environmental Management, Bharathidasan University, Tiruchirapalli on 7<sup>th</sup> & 8<sup>th</sup> August 2014. (ISBN – 978-93-5174-565-5).
8. **N.Gunavathy** & S.C. Murugavel. “Comparative Study on Efficacy of *Musa Acuminata* Flower Extract as Corrosion Inhibitor for Mild Steel in Acid Media”. UGC Sponsored One Day National Seminar on “Emerging Trends in Frontiers of Chemistry” ETFC-2014, Organized by Department of Chemistry, Sri GVG Visalakshi College for Women (Autonomous), Udumalpet 642 128 on 30<sup>th</sup> December 2014. ISBN: 978-81-910024-3-4 – Published by Subham National Publications, Madurai.
  9. **Gunavathy.N** & Dr.S.C.Murugavel. *Musa Acuminata* Plant Parts as Environment Friendly Corrosion Inhibitor for Mild Steel in Acid Media. National Conference on “Developing Scenario in Applied Sciences and Communicative English – PRAYAG - 2016”, Organized by Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore – 641 049 on 21.04.2016 and 22.04.2016. Published by Bonfring, Coimbatore. ISBN 978-93-85477-83-6. Page 245 – 248.
  10. V.Kavitha & **N.Gunavathy**. Application of Natural Compounds from *Andrographis Paniculata* as Corrosion Inhibitor against Metals: A Computational Analysis. National Conference on Meeting the Challenges of Corrosion (Department of Science and Humanities - Avinashilingam Institute for Home Science and Higher Education for Women – Coimbatore 43) on 07.12.2017. Page 70 – 76.
  11. **Gunavathy.N**, Stella Roseline. V & Murugavel S.C. Characterization of Lead Oxide (PbO) Nanoparticle Synthesized Using *Musa Acuminata* Peel Extract and its Antimicrobial Activity. International Conference on Emerging Trends in Science and Social Science Organized by VHN Senthilkumara Nadar College, Virudhunagar, India and Institute for Integrated Regenerative Medicine Kuala Lumpur, Malaysia. ISBN: 978-93-81723-95-1, Page 32. 03.05.2019 & 04.05.2019.
  12. V.Kavitha & **Dr.N.Gunavathy**. Phytochemical Screening, GCMS Analysis and Antibacterial Activity of *Phaseolus Lunatus* Seeds Extract. International Conference on Emerging Trends in Science and Social Science Organized by VHN Senthilkumara Nadar College, Virudhunagar, India and Institute for Integrated Regenerative Medicine Kuala Lumpur, Malaysia. ISBN: 978-93-81723-95-1, Page 38. 03.05.2019 & 04.05.2019.
  13. Agnes Metilda & **Dr.N.Gunavathy**. Ecofriendly Biosynthesis of Metallic Nanoparticle Using Plant Extract and its Antimicrobial Properties. National Seminar on Advanced Materials for Energy, Environment and Medicinal Applications. PG Department of Chemistry, Nallamuthu Gounder Mahalingam College, Pollachi, Coimbatore. ISSN 978-9-87009-56-1. Page 69 – 74. 11.07.19 & 12.07.19.

14. Gladiyarani.S and Gunavathy.N. Natural Corrosion Inhibition by Plant Extract on Mild Steel. SERB-INDIA and ISCA Sponsored International Conference on Impact of Innovations in Science and Technology for Societal Development IISTSD – 2019 organized by Kongu Nadu Arts and Science College (Autonomous), Coimbatore, India and Faculty of Technology, Mahasarakham University, Mahasarakham, Thailand. BMS 348, Page 128. Page 135 19 -21 September 2019.
15. A. Agnes Metilda and N.Gunavathy. Green Synthesis of Silver Nanoparticles and its Antimicrobial Properties. SERB-INDIA and ISCA Sponsored International Conference on Impact of Innovations in Science and Technology for Societal Development IISTSD – 2019 organized by Kongu Nadu Arts and Science College (Autonomous), Coimbatore, India and Faculty of Technology, Mahasarakham University, Mahasarakham, Thailand. PS 402, Page 180. Page 135 19 -21 September 2019.
16. Vayola Shalini. A and N.Gunavathy. Synthesis of Silver Nanoparticles from the Seed Extract of Fabaceae Plant and their Pharmacological Activity. SERB-INDIA and ISCA Sponsored International Conference on Impact of Innovations in Science and Technology for Societal Development IISTSD – 2019 organized by Kongu Nadu Arts and Science College (Autonomous), Coimbatore, India and Faculty of Technology, Mahasarakham University, Mahasarakham, Thailand. PS 408, Page 186. Page 135 19 -21 September 2019.
17. V.Kavitha and N.Gunavathy. Quantum Chemical Studies on the Corrosion Inhibition Effect of Phytochemical of *Phaseolus lunatus* on Mild Steel. . SERB-INDIA and ISCA Sponsored International Conference on Impact of Innovations in Science and Technology for Societal Development IISTSD – 2019 organized by Kongu Nadu Arts and Science College (Autonomous), Coimbatore, India and Faculty of Technology, Mahasarakham University, Mahasarakham, Thailand. CS 235, Page 135 19 -21 September 2019.
18. **Dr.N.Gunavathy** & Dr.S.Rajaguru. Gender Influence on Emotional Intelligence and Academic Achievement of Students in Higher Educational Institutions. NAAC Sponsored National Seminar On Quality Sustenance And Enhancement Prospects For Attaining Global Standards Organized By IQAC Nirmala College For Women. Page 67-74. ISBN: 978-93-5391-892-7. 09.01.2020 & 10.01.2020.
19. Agnes Metilda A & Gunavathy.N. Synthesis of Silver Nanoparticle Using Musa Acuminata Floweret Extract and Its Biological Properties - Advances in Green Chemistry and Its Applications AGCA – 2020, Department of Chemistry, Sri Ramakrishna College of Arts and Science, Coimbatore - ISBN No. 978-93-5396-400-9 – Page 06 – 10. 30<sup>th</sup> January 2020.
20. Gunavathy.N, Stella Roseline V & Murugavel S.C. Green Synthesis of Lead Oxide (PbO) NanoParticle Using Musa Acuminata Peel Extract – Advances in Green Chemistry and Its Applications AGCA – 2020, Department of Chemistry, Sri

Ramakrishna College of Arts and Science, Coimbatore - ISBN No. 978-93-5396-400-9 – Page 21 – 26 - 30<sup>th</sup> January 2020.

21. Vayola Shalini.A & Gunavathy.N. Green Synthesis of Silver Nanoparticles Using Seed Extract of *Caesalpinia Bonducella* Plant. Advances in Green Chemistry and Its Applications AGCA – 2020, Department of Chemistry, Sri Ramakrishna College of Arts and Science, Coimbatore - ISBN No. 978-93-5396-400-9 – Page 86 - 91 – 30<sup>th</sup> January 2020.
22. **Dr.N.Gunavathy** & L.Saraswathi. Facile and an efficient one Pot Approach for the Synthesis of Spiro Benzoxazino Oxindole Derivatives Using  $\text{InCl}_3$  as Catalyst. International Seminar on Contemporary Horizons in Chemical Sciences. ABSTRACTS CHCS 2020 - Department of Chemistry, Nirmala College for Women (A), Coimbatore - Page 8. ISBN 978-81-941762-8-2. 10.02.2020.
23. Vayola Shalini.A & **Dr.N.Gunavathy**. Biosynthesis of Silver Nanoparticles Using Aqueous Seed Extract of *Caesalpinia Bonducella* and its Biological Activity. International Seminar on Contemporary Horizons in Chemical Sciences. ABSTRACTS CHCS 2020 - Department of Chemistry, Nirmala College for Women (A), Coimbatore - Page 11. ISBN 978-81-941762-8-2. 10.02.2020.
24. A.Agnes Metilda & **Dr.N.Gunavathy**. Rapid Biosynthesis of Silver Nanoparticle and Its Antibacterial Activity. International Seminar on Contemporary Horizons in Chemical Sciences. ABSTRACTS CHCS 2020 - Department of Chemistry, Nirmala College for Women (A), Coimbatore - Page 15. ISBN 978-81-941762-8-2. 10.02.2020.
25. S.Gladiyarani & **Dr.N.Gunavathy**. Cactus Extract as Green Corrosion Inhibitor of Mild Steel In 1N HCl Acid Solution. International Seminar on Contemporary Horizons in Chemical Sciences. ABSTRACTS CHCS 2020 - Department of Chemistry, Nirmala College for Women (A), Coimbatore - Page 19. ISBN 978-81-941762-8-2. 10.02.2020.
26. V.Kavitha & **Dr.N.Gunavathy**. Antibacterial Activity of Seeds of *Phaseolus Lunatus* Extract Against Gram-Negative and Gram Positive Organism Using Microbiological Studies and Molecular Docking Analysis. International Seminar on Contemporary Horizons in Chemical Sciences. ABSTRACTS CHCS 2020 - Department of Chemistry, Nirmala College for Women (A), Coimbatore - Page 22. ISBN 978-81-941762-8-2. 10.02.2020.
27. **Dr.N.Gunavathy**. Proceedings of the International Live Webinar on Materials and Technology for Sustainable Developments (MTSD 2020). May 28 & 29<sup>th</sup> 2020. 538.
28. Pinki Mahur & **Dr.N.Gunavathy**. Preparation and Characterization of Nano fertilizer from *Musa acuminata* “Red Dacca”. Proceedings on International virtual conference on Chemical and Environmental Sciences ICCES – 2020. Department of Chemistry.

St. Peter's Institute of Higher Education and Research, Avadi, Chennai – 600 054. ISBN: 978-93-84295-89-9. ICCES – 08, Page 8. November 11 – 12, 2020.

29. Dr.N.Gunavathy & M.Priyanka. “Inhibitive Effect and Adsorption Properties of *Colocasia esculenta* Leaves extract for Corrosion of mild steel in 1N HCl”. Proceedings on International virtual conference on Chemical and Environmental Sciences ICCES – 2020. Department of Chemistry. St. Peter's Institute of Higher Education and Research, Avadi, Chennai – 600 0 54. ISBN: 978-93-84295-89-9. ICCES – 19, Page 19. November 11 – 12, 2020.
30. Dr.N.Gunavathy and Bhagyalakshmi.N.” Study of the Inhibitory Effect of *Urginea indica* Leaves/Bulb Extracts on Mild Steel in Acid Medium”. International Interdisciplinary Virtual Conference on “Break Throughs and Approach in Contemporary Scientific Research. PG and Research Departments of Chemistry and Physics, PSGR Krishnammal College for Women, Coimbatore in Collaboration with Departments of Chemistry and Physics, University of Dar es Salaam (UDSM), Tanzania. 17 – 19 February 2021. OP5. ISBN: 978-93-90853007.
31. Dr.N.Gunavathy and Dr.S.C.Murugavel. Musa acuminata Bract as Green Corrosion Inhibitor for Mild Steel in Sulphate Environment. International Virtual Conference on Frontiers in Chemical Sciences (IVCFCS – 2021), Department of Chemistry, Mohanlal Sukhadia University, Udaipur, Rajasthan, Page 19. 25.06.2021.
32. S.Gladiyarani & Dr.N.Gunavathy. Phytochemical Screening, Weight Loss Measurement and Surface Examination Analysis of *Cereus repandus* (Cer) Stem Extract as Green Corrosion Inhibitor for Mild Steel in 1n H<sub>2</sub>SO<sub>4</sub> Acid Solution. International Conference on Current Trends in Material Science & Technology (CTMST – 2021), Department of Science & Humanities (Physics), Nehru Institute of Technology, Coimbatore. 26.07.2021. Page 29. ISBN: 978-81-954243-4-4.
33. Dr.N.Gunavathy and Dr.S.C. Murugavel. Musa acuminata Bract – A Green Corrosion Inhibitor as Anti pitting Agent for Mild Steel in Acid Solution. International Conference on Current Trends in Material Science & Technology (CTMST – 2021), Department of Science & Humanities (Physics), Nehru Institute of Technology, Coimbatore. 26.07.2021. Page 30. ISBN: 978-81-954243-4-4.

### 13) Book Publications

- Dr.N.Gunavathy.  
**Laboratory Manual Organic Chemistry and Gravimetric Analysis.**  
ISBN: 978-81-934168-7-7. Mythe Creators, Coimbatore. June 2018.
- Dr.N.Gunavathy & Dr.V.G.Vasudha.  
**Laboratory Manual – Volumetric Analysis and Applied Practicals.**  
ISBN: 978-81-934168-6-0. Mythe Creators, Coimbatore. June 2018.

- Dr.N.Gunavathy.  
**Laboratory Manual for Allied Chemistry Practical.**  
ISBN: 978-81-941762-0-6. Mythe Creators, Coimbatore. June 2019.
- Dr.N.Gunavathy & Mrs. Kavitha Venugopal.  
**A Hand Book to Molecular Visualization.**  
ISBN: 978-81-939032-9-2. Mythe Creators, Coimbatore. June 2019.
- Dr.N.Gunavathy.  
**Corrosion Chemistry (An Introduction to Basic Concepts of Corrosion).**  
ISBN: 978-81-941762-2-0. Mythe Creators, Coimbatore. November 2019.
- Dr.N.Gunavathy.  
**Chemistry of Prodrugs.**  
ISBN: 978-81-941762-3-7. Mythe Creators, Coimbatore. November 2019.
- Dr.N.Gunavathy.  
**Abstracts CHCS 2020 of International Seminar on Contemporary Horizons in Chemical Sciences.**  
ISBN: 978-81-941762-8-2, Mythe Creators, Coimbatore, 10.02.2020.
- Dr.N.Gunavathy and Dr.P.Dhivya.  
**Personal and Home Care Products.**  
ISBN: 978-81-945441-5-9. Mythe Creators, Coimbatore. 23.12.2020.
- Dr.N.Gunavathy.  
**Test Your KNOWLEDGE**  
ISBN: 978-81-950768-9-5. Mythe Creators, Coimbatore June 2021.
- Dr.N.Gunavathy & Dr.P.Dhivya.  
**Katrida Vendrida**  
ISBN: 978-81-950768-8-8. Mythe Creators. Coimbatore July 2021.
- Dr.N.Gunavathy & J.Keziah Gracelin  
**Marching with Hope for a Little Dream**  
ISBN: 978-93-55-66-827-1. Dr.N.Gunavathy. 18 November 2021.

#### 14) Consultancy

Nature of Consultancy	Client	Year
Textile Screen Printing	Self Help Group (SHG) Members Rhythem Social Service Society for Women Coimbatore	17.10.2016

Textile Screen Printing	Self Help Group (SHG) Members Rhythem Social Service Society for Women Coimbatore	23.08.2019
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## 15) Presentations in Conference

### International

1. Technology Leadership – A Key to Educational Change, UGC Sponsored International Conference on “Educational Leadership Preparation and Practices in India” - Sri Ramakrishna Mission Vidyalaya College of Education, Coimbatore – 11 - 13 June 2009.
2. Bio – Product as an Environmentally Safe Inhibitor for Corrosion of Mild Steel in Acidic Medium. UGC Sponsored International Conference on Bioresource Technology – Its Application and Achievements (ICBRT 2010) - Department of Botany, Nirmala College for Women, Coimbatore – 18 - 7<sup>th</sup> and 8<sup>th</sup> October 2010.
3. A Study of Emotional Intelligence and Academic Achievement of Arts and Science College Students in Coimbatore. “International Interdisciplinary Research Seminar” During the Event of 1<sup>st</sup> International Conference in South Asia on “Global Manufacturing Systems & Management” - Advanced Integrated Manufacturing & Manufacturing Research Group, Department of Mechanical Engineering, CIT, Jointly with Business Innovation Research Centre, University of Massahusetts, USA - 3<sup>rd</sup> August 2011.
4. Emerging Technologies for Effective Teaching – Learning of Chemistry. UGC Sponsored International Conference on “Preparing World Class Teachers through Online Education: the Future in Now!” - Sri Ramakrishna Mission Vidyalaya College of Education, Coimbatore in Collaboration with United States and India Educational Foundation (USIEF) – 20<sup>th</sup>& 21<sup>st</sup> April 2012.
5. Phytochemical Constituents and Antioxidative Property of *Musa acuminata* Flower as Green Corrosion Inhibitor of Mild Steel in Acid Media - International Conference on “Insight Ayurveda 2013” - AVP Research Foundation, Coimbatore -24<sup>th</sup> And 25<sup>th</sup> May 2013.
6. Thermodynamic Properties and Inhibitor Adsorption Behaviour of *Musa acuminata* Flower Extract in 1N H<sub>3</sub>PO<sub>4</sub> on Mild Steel. 4<sup>th</sup> International Conference on “Competency Building Strategies in Business and Technology for Sustainable Development” - Sri Ganesh School of Business Management, Salem – 20<sup>th</sup> February 2015.
7. Potential of *Musa acuminata* Bract Extract as Corrosion Inhibitor for Mild Steel in Phosphoric Acid Environment. International Conference on Energy, Environment and Engineering - ICEEE – 2016 - Department of Chemistry and Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore - 28<sup>th</sup> February 1<sup>st</sup> and 3<sup>rd</sup> March 2016.
8. Characterization of Lead Oxide (PbO) Nanoparticle Synthesized Using *Musa acuminata* Peel Extract and its Antimicrobial Activity. International Conference on

Emerging Trends in Science and Social Science - VHN Senthilkumara Nadar College, Virudhunagar & India and Institute for Integrated Regenerative Medicine, Kuala Lumpur, Malaysia held Kuala Lumpur, Malaysia – 03<sup>rd</sup> & 04<sup>th</sup> May 2019.

9. Inhibitive Effect and Adsorption Properties of *Colocasia Esculenta* Leaves Extract for Corrosion of Mild Steel in 1 N HCl - International Virtual Conference on Chemical and Environmental Sciences (ICCES – 2020) – Department of Chemistry, St. Peter's Institute of Higher Education and Research, Avadi, Chennai – 11.11.202 & 12.11.2020.
10. Study of the Inhibitory Effect of *Urginea Indica* Leaves / Bulb Extracts on Mild Steel in Acid Medium. International Interdisciplinary Virtual Conference on “Breakthroughs and Approaches in Contemporary Scientific Research”. Post Graduate & Research Department of Chemistry & Physics in collaboration with Departments of Chemistry & Physics, University of Dar es Salaam (UDSM), Tanzania. ISBN: 9789390 853007. 17 -19 February 2021.
11. *Musa acuminata* Bract as Green Corrosion Inhibitor for Mild Steel in Sulphate Environment. International Virtual Conference on Frontiers in Chemical Sciences (IVCFCS – 2021), Department of Chemistry, Mohanlal Sukhadia University, Udaipur, Rajasthan. 25.06.2021.
12. *Musa acuminata* Bract –A Green Corrosion Inhibitor as Anti pitting Agent for Mild Steel in Acid Solution. International Conference on Current Trends in Material Science & Technology (CTMST – 2021), Department of Science & Humanities (Physics), Nehru Institute of Technology, Coimbatore. 26.07.2021.

## **National**

1. Synthesis of 2, 2-Dimethyl-2H-Pyranoflavones. Regional Symposium on “Current Trend in Heterocyclic Chemistry” - Gandhigram Rural Institute, Karaikudi, February 26<sup>th</sup>-28<sup>th</sup> 1996.
2. Chemistry of Allergy- Reaction Mechanism. UGC Sponsored National Seminar on “Emerging Trends of Biotechnology in the Medical Scenario” - Department of Advanced Zoology & Biotechnology, Nirmala College for Women (Autonomous), Coimbatore - 27<sup>th</sup> – 28<sup>th</sup> February 2007.
3. Trust Relationship in on-line Business. UGC Sponsored National Seminar on “Ethics and Human Values” - Post Graduate and Research Department of History and Tourism, Nirmala College for Women, Coimbatore – 24<sup>th</sup> and 25<sup>th</sup> September 2007.
4. Politics as a Profession & Its Ethics. UGC Sponsored National Seminar on “ Business Ethics” - Department of Commerce (Aided), Nirmala College for Women, Coimbatore – 30<sup>th</sup> and 31<sup>st</sup> July 2008.
5. Hallucination – Psychoactive Effect of Medicinal Plants. UGC Sponsored National Symposium on “Sustainable Utilization and Conservation of Medicinal Plants”- Department of Plant Biology & Plant Biotechnology, Nirmala College for Women, Coimbatore – 21<sup>st</sup> and 22<sup>nd</sup> August 2008.
6. Nature Nature for Our Future. UGC Sponsored National Symposium on “Global Climate Change and It's Implications” - Department of Geography – Nirmala College for Women, Coimbatore - 07.08.2009.

7. Green Technology Transfer for an Early Global Economic Recovery. UGC Sponsored Two Day Symposium on “Disaster Management – A Challenge for India’s Sustainable Development” - Department of Economics – Nirmala College for Women, Coimbatore - 21<sup>st</sup> & 22<sup>nd</sup> August 2009.
8. Inherited Metabolic Disorder. DST Sponsored National Seminar on “Current Trends in Applied Genetics and Bioethics” - Department of Zoology- Nirmala College for Women, Coimbatore – 18<sup>th</sup> & 19<sup>th</sup> September 2009.
9. Nano in Medical Field. UGC Sponsored National Seminar on “Nanoscience and Technology – A Chemistry Perspective” - Department of Chemistry - Nirmala College for Women, Coimbatore - 24<sup>th</sup> September 2009.
10. Corrosion Inhibitive Property of Fruit Peel Extract on Mild Steel in 1N HCl. UGC XI Plan – UGC – SAP – DRS – II Sponsored National Conference on “Current Trends in Chemistry – NCCTC – 10” - Department of Chemistry, School of Chemical Sciences, Bharathiar University, Coimbatore - 2<sup>nd</sup> and 3<sup>rd</sup> December 2010.
11. Cognitive Psychology in Oral Tradition – A Means of Communicating Knowledge. National Seminar on “The Inner Vision... Psychological Insights in Contemporary Literature” - Post Graduate Department of English, Nirmala College for Women, Coimbatore – 6<sup>th</sup> December 2010.
12. Achievements of Chemistry- A Bridge towards Benefiting Humanity. UGC Sponsored National Seminar on “Challenges and Strategies in Human Rights Education” - Nirmala College for Women, Coimbatore - 25<sup>th</sup> August 2011.
13. Inhibitory Effect of *Musa* Species Fruit Peel Extract in the Corrosion of Mild Steel in Acid Medium. National Conference on “Developing Scenario in Applied Sciences and Communicative English CONFLUENCE 2012 - Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore - 2<sup>nd</sup> and 3<sup>rd</sup> March 2012.
14. Study on the Effect of *Musa* Species Flower Extract on the Corrosion Inhibition of Mild Steel in 1N H<sub>2</sub>SO<sub>4</sub> – UGC Sponsored National Seminar on “Chemistry – A Solution to Global Challenges” - Department of Chemistry, Nirmala College for Women, Coimbatore - 24<sup>th</sup> February 2012.
15. Antioxidant Activity of *Musa acuminata* Plant Extract as a Green Corrosion Inhibitor for Mild Steel in Acid Media – UGC Sponsored 2 Day National Conference on “Medicinal Plants – Present Scenario and Future Prospects – 2012” - Department of Botany, Nirmala College for Women, Coimbatore - 6<sup>th</sup> and 7<sup>th</sup> December 2012.
16. Corrosion Inhibition of Mild Steel in Acid Medium Using *Musa acuminata* Flower Extract – National Conference on “Advanced Materials for the Emerging Technologies (CAMET 2013)” - Post Graduate and Research Department of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore - 11<sup>th</sup> and 12<sup>th</sup> July 2013.
17. Insilico Screening of Glycine Max for Anti-Cancerous Potentials Against Breast Cancer, Nirmala Annual Research Congress NARC 2013 - IQAC, Nirmala College for Women, Coimbatore - 28<sup>th</sup> October 2013.
18. Immunological Principles and Fundamental Mechanism of Protective Immune Response towards Allergy – DBT, DRDO, DST Sponsored National Conference on “Immunoinformatics - An *Insilico* Aid towards Better Medicines” (CIMI-'13) -



Department of Bioinformatics (UGC Sponsored Innovative Programme), Nirmala College for Women, Coimbatore - 3<sup>rd</sup> October 2013.

19. Musa acuminata Bract Extract as Corrosion Inhibitor for Mild Steel – National Conference on “Fundamental and Applied Chemistry (NACFAC 2013) - Department of Chemistry, Dhirajlal Gandhi College of Technology, Salem – 636 309 - 4<sup>th</sup> October 2013.
20. Comparative Phytochemical Screening among Different Parts of Musa acuminata – II Conference on Collaborative Research in Ayurveda & Modern Biology 2014 - AVP Research Foundation in Association with Sri Krishna Institutions, Coimbatore - 3<sup>rd</sup>& 4<sup>th</sup> February 2014.
21. Natural Resource as Environment Friendly Corrosion Inhibitor for Mild Steel in Acid Medium - UGC Sponsored Two Day National Seminar on “Trends in Environmental Resource Management” - PG and Research Department of Zoology, Nirmala College for Women, Coimbatore in Collaboration with Department of Environmental Management, Bharathidasan University, Tiruchirapalli - 7<sup>th</sup>& 8<sup>th</sup> August 2014.
22. Comparative Study on Efficacy of Musa acuminata Flower Extract as Corrosion Inhibitor for Mild Steel in Acid Media - UGC Sponsored National Seminar on “Emerging Trends in Frontiers of Chemistry” - Department of Chemistry, Sri GVG Visalakshi College for Women (Autonomous), Udumalpet 642 128 - 30<sup>th</sup> December 2014.
23. Insilico Approach for Evaluation of Corrosion Inhibitor for Mild Steel in Acid Medium - DBT Sponsored National Conference on “ Frontier Contemporary Horizons in Bioinformatics and Computational Biology (BACB – 2016)” - Department of Botany and Bioinformatics, Nirmala College for Women (Autonomous), Coimbatore – 641 018 - 21<sup>st</sup> and 22<sup>nd</sup> January 2016.
24. Investigation on Various Parameters of Fruit Juice/Cool Drinks of Different Brands Available in Market - Nirmala Annual Research Congress (NARC 2016) - Internal Quality Assurance Cell, Nirmala College for Women (Autonomous), Coimbatore – 641 018 - 28<sup>th</sup> January 2016.
25. Musa acuminata Plant Parts as Environment Friendly Corrosion Inhibitor for Mild Steel in Acid Media - National Conference on “Developing Scenario in Applied Sciences and Communicative English – PRAYAG - 2016”- Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore – 641 049 - 21.04.2016 and 22.04.2016.
26. Environmental Pollution Control to Protect Historical Structures Using Natural Products as Inhibitor - ICHR Sponsored National Seminar on “Environmental History” - PG and Research Department of History, Nirmala College for Women, Coimbatore - 29<sup>th</sup> July 2016.
27. Effects of Iron and Alumina on Cement Manufacturing. Nirmala Annual Research Congress. (NARC 2017), Nirmala College for Women (A), Coimbatore – 06.12.2017.
28. Studies on the Biochemical Parameters of White Tea in Different Cultivars. Nirmala Annual Research Congress. (2017), Nirmala College for Women (A), Coimbatore – 06.12.2017.
29. Quality Analysis of Milk and Milk Products like Ghee, Butter and Curd. Nirmala Annual Research Congress. (2017), Nirmala College for Women (A), Coimbatore – 06.12.2017.

30. Application of Natural Compounds from *Andrographis Paniculata* against Bungarus Caeruleus Venom Phospholipase as an Antidote. Nirmala Annual Research Congress. (2017), Nirmala College for Women (A), Coimbatore – 06.12.2017.
31. Quantum Chemical Studies on the Corrosion Inhibition Performance of Aquatic Waste Waste Shell Extract in Acid Medium on Metal Surface - National Seminar on “Advances in Biological Sciences Research” - PG and Research Department of Zoology, Nirmala College for Women, Coimbatore 19<sup>th</sup>& 20<sup>th</sup> September 2018.
32. Potential of *Musa acuminata* Bract Extract as Corrosion Inhibitor for Mild Steel in Phosphoric Acid Environment. Nirmala Annual Research Congress (NARC 2018). Nirmala College for Women (A), Coimbatore – 04.12.2018.
33. Qualitative and Quantitative Analysis of Different Brands of Milk. Nirmala Annual Research Congress (NARC 2018). Nirmala College for Women (A), Coimbatore – 04.12.2018.
34. Insilico Analysis on Phytonutrients of *Phaseolus Lunatus* against E Coli Infections. Nirmala Annual Research Congress (NARC 2018). Nirmala College for Women (A), Coimbatore – 04.12.2018.
35. InCl<sub>3</sub>-Assisted Eco-Friendly Approach for N-Fused 1, 4-Dihydropyridine Scaffolds via Ring Opening Michael Addition of Cyclic Nitroketene and Iminocoumarin: Synthesis and DFT Studies. Nirmala Annual Research Congress (NARC 2018). Nirmala College for Women (A), Coimbatore – 04.12.2018.
36. Green Synthesis and Characterization of Copper Oxide (CuO) Nanoparticle Using *Prunus Persica* Leaf Extract and its Antimicrobial Activity. Nirmala Annual Research Congress (NARC 2018). Nirmala College for Women (A), Coimbatore – 04.12.2018.
37. Application of Quantum Chemical Methods in Corrosion Inhibitor Studies on Mild Steel with *Colocasia Esculenta*. National Conference on Futuristic Intricate Stratagems in Computational Genomics CGEN – 2019 – Department of Botany and Bioinformatics, Nirmala College for Women (A), Coimbatore – 24<sup>th</sup>& 25<sup>th</sup> January 2019.
38. Quantum Chemical Study on the Corrosion of Vicine & Curcubitacin on Metal Surface. National Conference on Futuristic Intricate Stratagems in Computational Genomics CGEN – 2019 – Department of Botany and Bioinformatics, Nirmala College for Women (A), Coimbatore – 24<sup>th</sup>& 25<sup>th</sup> January 2019.
39. Comparative Phytochemical Analysis of *Urginea Indica* Bulb & Leaf Extracts. National Conference on Futuristic Intricate Stratagems in Computational Genomics CGEN – 2019 – Department of Botany and Bioinformatics, Nirmala College for Women (A), Coimbatore – 24<sup>th</sup>& 25<sup>th</sup> January 2019.
40. *Musa acuminata* as Commercial Green Corrosion Inhibitor for Economical Loss due to Corrosion Materials. National Conference on Emerging Trends – Shaping the Future of Indian Business – Department of Commerce (CA) & (PA), Nirmala College for Women (A), Coimbatore – 26.09.2019.
41. Plant Extract as Corrosion Inhibitor of Mild Steel in 1N H<sub>2</sub>SO<sub>4</sub> Solution. Nirmala Annual Research Congress (NARC 2019). Nirmala College for Women (A), Coimbatore – 27.11.2019.
42. Eco Friendly Synthesis of Silver Nanoarticle Using *Musa acuminata* Floweret Extract and its Antimicrobial Properties. Nirmala Annual Research Congress (NARC 2019). Nirmala College for Women (A), Coimbatore – 27.11.2019.

43. GCMS Analysis and Molecular Docking Studies on Phytochemicals of *Phaseolus Lunatus* Seed Extract in Methanol to Control *Klebsiella Pneumonia* Infection. Nirmala Annual Research Congress (NARC 2019). (2019). Nirmala College for Women (A), Coimbatore – 27.11.2019.
44. InCl<sub>3</sub> – Catalyst One Pot Approach for the Synthesis of Spiro Benzoxazino Oxindole Derivatives. Nirmala Annual Research Congress (NARC 2019). (2019). Nirmala College for Women (A), Coimbatore – 27.11.2019.
45. Green Synthesis and Characterization of Lead Oxide (PbO) Nanoparticle Using *Phyllanthus Acidus* Leaf Extract. Nirmala Annual Research Congress (NARC 2019). Nirmala College for Women (A), Coimbatore – 27.11.2019.
46. Gender Influence on Emotional Intelligence and Academic Achievement of Students in Higher Educational Institutions. NAAC Sponsored National Seminar on Quality Sustenance and Enhancement Prospects for Attaining Global Standards Organized by IQAC Nirmala College for Women. 09.01.2020 & 10.01.2020.
47. Green Synthesis of Lead Oxide (PbO) Nano Particle Using *Musa acuminata* Peel Extract – Advances in Green Chemistry and its Applications AGCA – 2020, Department of Chemistry, Sri Ramakrishna College of Arts and Science, Coimbatore - 30<sup>th</sup> January 2020.

#### **POSTER PRESENTED**

1. Bioluminescence – A Boon for Future, TNSCST Sponsored National Seminar on “Recent Trends in Chemistry” - Department of Chemistry, Nirmala College for Women, Coimbatore - 1<sup>st</sup>& 2<sup>nd</sup> March 2007.
2. Encyclopedia of Photochemistry. TNSCST Sponsored National Seminar on “Recent Trends in Chemistry”- Department of Chemistry, Nirmala College for Women, Coimbatore - 1<sup>st</sup>& 2<sup>nd</sup> March 2007.
3. Electrochemical Techniques in Pollution Control - TNSCST Sponsored National Seminar on “Recent Trends in Chemistry” - Department of Chemistry, Nirmala College for Women, Coimbatore - 1<sup>st</sup>& 2<sup>nd</sup> March 2007.
4. Food Additives in View of Consumer Protection - UGC Sponsored National Seminar on “Food Quality & Safety” - Department of Chemistry, Nirmala College for Women, Coimbatore - 9<sup>th</sup> January 2009.
5. Nanotech in Food - UGC Sponsored National Seminar on “Food Quality & Safety” - Department of Chemistry, Nirmala College for Women, Coimbatore - 9<sup>th</sup> January 2009.
6. Chemistry and Pharmacology of Herbs - UGC Sponsored National Seminar on “Traditional and Modern Medicine: Current Trends and Future Prospects” Department of Chemistry, Nirmala College for Women, Coimbatore - 25<sup>th</sup> February 2011.
7. Health is Wealth, Grab it with Herbs - UGC Sponsored National Seminar on “Traditional and Modern Medicine: Current Trends and Future Prospects” Department of Chemistry, Nirmala College for Women, Coimbatore - 25<sup>th</sup> February 2011.
8. Corrosion Inhibition Performance of *Musa acuminata* Unripe Fruit Peel Extract in Phosphoric Acid Medium on Mild Steel – Regional Science Congress on “ Science for Shaping the Future of India” - Indian Science Congress Association, Coimbatore

Chapter and Kongunadu Arts and Science College (Autonomous), Coimbatore - 15<sup>th</sup> and 16<sup>th</sup> December 2012.

9. A Study on Various Parameters Present in Bottled Mineral Water – UGC Sponsored State Seminar on “Emerging Trends in Frontiers of Metal Organic Chemistry” - Department of Chemistry, Nirmala College for Women (Autonomous), Coimbatore – 18.02.2016.
10. Facile and an Efficient One Pot Approach for the Synthesis of Spiro Benzoxazino Oxindole Derivatives Using InCl<sub>3</sub> as Catalyst - International Seminar on Contemporary Horizons in Chemical Sciences – Department of Chemistry, Nirmala College for Women (Autonomous), Coimbatore - 10.02.2020
11. Biosynthesis of Silver Nanoparticles Using Aqueous Seed Extract of *Caesalpinia Bonducella* and its Biological Activity - International Seminar on Contemporary Horizons in Chemical Sciences – Department of Chemistry, Nirmala College for Women (Autonomous), Coimbatore - 10.02.2020
12. Rapid Biosynthesis of Silver Nanoparticle and its Antibacterial Activity - International Seminar on Contemporary Horizons in Chemical Sciences – Department of Chemistry, Nirmala College for Women (Autonomous), Coimbatore - 10.02.2020.
13. Cactus Extract as Green Corrosion Inhibitor of Mild Steel in 1N HCl Acid Solution - International Seminar on Contemporary Horizons in Chemical Sciences – Department of Chemistry, Nirmala College for Women (Autonomous), Coimbatore - 10.02.2020.
14. Antibacterial Activity of Seeds of *Phaseolus Lunatus* Extract against Gram-Negative and Gram Positive Organism Using Microbiological Studies and Molecular Docking Analysis - International Seminar on Contemporary Horizons in Chemical Sciences – Department of Chemistry, Nirmala College for Women (Autonomous), Coimbatore - 10.02.2020.

#### **PAPER PRESENTATION CO AUTHORED**

1. **Gunavathy.N** and A. Jacqueline Maria Neeta III B.Sc Chemistry presented a paper titled “Pharmacology – Anaesthetics – Its importance” in UGC sponsored National seminar on Emerging trends of Biotechnology in medical Scenario organized by Department of Advanced Zoology & Biotechnology, Nirmala College for Women, Coimbatore - 18, on 27<sup>th</sup>& 28<sup>th</sup> February 2007 (page 76).
2. **Gunavathy .N**, A. Sujitha and A. Mercy Jenifer (III B.Sc Chemistry) presented a paper titled “Pharmacology therapeutics and toxicology” in UGC sponsored National seminar on Emerging trends of Biotechnology in medical Scenario organized by Department of Advanced Zoology & Biotechnology, Nirmala College for Women, Coimbatore - 18, on 27<sup>th</sup>& 28<sup>th</sup> February 2007 (page 74).
3. **Gunavathy.N**, J.Renuka and K.Satheeswari III B.Sc Chemistry presented a paper titled “Pharmacology – Chemistry of drugs” in UGC sponsored National seminar on Emerging trends of Biotechnology in medical Scenario organized by Department of Advanced Zoology & Biotechnology, Nirmala College for Women, Coimbatore - 18, on 27<sup>th</sup>& 28<sup>th</sup> February 2007 (page 73).
4. **Gunavathy.N** and A Jacqueline Maria Neeta III B.Sc Chemistry presented a paper titled “Electrochemical techniques in pollution control” in National seminar on

- “Recent Trends in Chemistry” organized by Department of Chemistry, Nirmala College for Women, Coimbatore-18, on 1<sup>st</sup> & 2<sup>nd</sup> March 2007 (page 45).
5. **Gunavathy.N** and A.Alice Marteena III B.Sc Chemistry presented a paper titled “Best Environment Practices – Disposal” in Workshop on Current developments in Chemistry CDC-2008 organized by PG & Research Department, Department of Chemistry, Government Arts College, Coimbatore – 18, on 7<sup>th</sup> & 8<sup>th</sup> February 2008. (OP 54, Page 20).
  6. **Gunavathy N** and R.Thenmozhi III B.Sc Chemistry presented a paper titled “The Secret of healthy life through Nature” in Workshop on Current developments in Chemistry CDC-2008 organized by PG & Research Department, Department of Chemistry, Government Arts College, Coimbatore – 18, on 7<sup>th</sup> & 8<sup>th</sup> February 2008. (OP 17, Page 11).
  7. **Gunavathy.N** and S.Gayathri III B.Sc Chemistry presented a paper titled “Indian Medicinal Herbs (Value and preservation)” in Workshop on Current developments in Chemistry CDC-2008 organized by PG & Research Department, Department of Chemistry, Government Arts College, Coimbatore – 18, on 7<sup>th</sup> & 8<sup>th</sup> February 2008. (OP 25, Page 13).
  8. **Gunavathy N** and M.Vijayalalitha III B.Sc Chemistry presented a paper titled “Back to Nature – Indian herbs”, in UGC sponsored National symposium on Sustainable Utilization and conservation of medicinal plants, organized by Department of Plant Biology and Plant Biotechnology, Nirmala College for Women, Coimbatore – 18, on 21<sup>st</sup> & 22<sup>nd</sup> August 2008 (OSP 48).
  9. **Gunavathy.N** and R.Manju III B.Sc Chemistry presented a paper titled “Some plants in traditional and Homeopathic systems of medicine in India” in UGC sponsored National symposium on Sustainable Utilization and conservation of medicinal plants, organized by Department of Plant Biology and Plant Biotechnology, Nirmala College for Women, Coimbatore – 18, on 21<sup>st</sup> & 22<sup>nd</sup> August 2008 (OSP 66).

## 16) Participation in Conference

1. UGC Sponsored International Conference on **Educational Leadership Preparation and Practices in India**. Sri Ramakrishna Mission Vidyalaya College of Education, Coimbatore in collaboration with, Department of Educational Administration, School of Education, Howard University, Washington, DC, USA and Educators International Inc., USA. 11 -13 June 2009.
2. UGC Sponsored International Conference on **Bio resource Technology**, Department of Botany, Nirmala College for Women (A), Coimbatore. 7<sup>th</sup> & 8<sup>th</sup> October 2010.
3. UGC XI Plan, UGC-SAP-DRS - II Sponsored National Conference on **Current Trends in Chemistry**. Department of Chemistry. School of Chemical Sciences, Bharathiar University, Coimbatore. 2<sup>nd</sup> and 3<sup>rd</sup> December 2010.
4. National Conference on **Metallurgy and Materials Engineering**. Department of Metallurgical Engineering, PSG College of Technology, Coimbatore. 29.04.2011.
5. Third National Conference on Recent Trends in Polymer Science & Technology. Department of Chemistry, PSG College of Technology, Coimbatore. 26<sup>th</sup> & 27<sup>th</sup> August 2011.

6. National Conference on **Developing Scenario in Applied Sciences and Communicative English. COMFLUENCE 2012.** Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore. 2<sup>nd</sup> and 3<sup>rd</sup> March 2012.
7. International Conference on **Preparing World Class Teachers through Online Education: The Future is now!** Sri Ramakrishna Mission Vidyalaya College of Education, India in Collaboration with United States and India Educational foundation (USIEF). 20<sup>th</sup> & 21<sup>st</sup> April 2012.
8. UGC Sponsored National Conference on **Medicinal Plants – Present Scenario and Future Prospects 2012.** Department of Botany, Nirmala College for Women (Autonomous), Coimbatore. 6<sup>th</sup> & 7<sup>th</sup> December 2012.
9. International Conference on **Insight Ayurveda.** AVP Research Foundation, Coimbatore. 24<sup>th</sup> & 25<sup>th</sup> May 2013.
10. UGC Sponsored National Conference on **Advanced Materials for the Emerging Technologies (CAMET 2013).** Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore. 11<sup>th</sup> & 12<sup>th</sup> July 2013.
11. DBT, DRDO, DST Sponsored National Conference on **Immunoinformatics – An Insilico Aid towards Better Medicines. (CIMI 2013).** Department of Bioinformatics, Nirmala College for Women (Autonomous), Coimbatore. 3<sup>rd</sup> October 2013.
12. National Conference on **Fundamental and Applied Chemistry 2013 (NACFAC 2013).** Dhirajlal Gandhi College of Technology, Salem in Collaboration with Chemical Science Review and Letters. 04.10.2013.
13. IInd Conference on **Collaborative Research in Ayurveda & Modern Biology 2014.** AVP Research Foundation, Coimbatore in Association with Sri Krishna Institutions, Coimbatore. 3<sup>rd</sup> & 4<sup>th</sup> February 2014.
14. International Conference on **Competency Building Strategies in Business and Technology for Sustainable Development.** Sri Ganesh School of Business Management, Salem. 20.02.2015.
15. DBT Sponsored National Conference on **Frontier Contemporary Horizons in Bioinformatics and Computational Biology.** Department of Botany & Bioinformatics, Nirmala College for Women (Autonomous), Coimbatore. Nirmala College for Women (Autonomous), Coimbatore. 21<sup>st</sup> & 22<sup>nd</sup> January 2016.
16. TEQIP II Sponsored 1<sup>st</sup> International Conference on **Energy, Environment and Engineering ICEEE 2016.** Department of Chemistry & Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore. 29<sup>th</sup> February, 1<sup>st</sup> & 2<sup>nd</sup> March 2016.
17. National Conference on **Developing Scenario in Applied Sciences and Communicative English (PRAYAG 2016).** Department of Science & Humanities, Kumaraguru College of Technology, Coimbatore. 21<sup>st</sup> & 22<sup>nd</sup> April 2016.
18. DBT Funded National Conference on **Futuristic Intricate Stratagems in Computational Genomics CGEN – 2019.** Department of Botany and Bioinformatics, Nirmala College for Women (Autonomous), Coimbatore. 24<sup>th</sup> & 25<sup>th</sup> January 2019.
19. International Conference on **Emerging Trends in Science and Social Science.** Institute for Integrated Regenerative Medicine, Malaysia and VHN Senthikumara Nadar College (Autonomous), Virudhunagar, India held at Kuala Lumpur, Malaysia. 3<sup>rd</sup> & 4<sup>th</sup> May 2019.

20. National Conference on **Emerging Trends – Shaping Future of Indian Business**. Department of Commerce (CA) & (PA), PG Department of Commerce, Nirmala College for Women (Autonomous), Coimbatore. 26.09.2019.
21. International e-Conference on **Contemporary Innovative Developments in Applied Biology (CDAB-2020)**. Department of Botany and Bioinformatics, Nirmala College for Women (Autonomous), Coimbatore. 22.01.2020.
22. National Conference on **Advances in Green Chemistry and its Applications – AGCA 2K20**. Department of Chemistry, Sri Ramakrishna College of Arts and Science, Coimbatore. 30.01.2020.
23. International Virtual Conference on **Frontiers in Chemical Sciences (IVCFCS 2021)**. Department of Chemistry, Mohanlal Sukhadia University, Udaipur, Rajasthan, 25.06.21.
24. International Conference on Current Trends in Material Science & Technology (CTMST-2021). Department of Science & Humanities (Physics), Nehru Institute of Technology, Coimbatore. 26.07.2021.

### 17) Participation in Seminar

1. UGC Sponsored National Seminar on **Human Rights and Values in Education**. Department of Economics and Post Graduate and Research Department of History & Tourism, Nirmala College for Women, Coimbatore. 28.07.2006 & 29.07.2006.
2. DST, TNSCST & NCSTC Sponsored National Seminar on **Emerging Trends in Chemistry**. Department of Chemistry, PSGR Krishnammal College for Women, Coimbatore. 28.12.2006 & 29.12.2006.
3. UGC Sponsored National Seminar on **Emerging Trends of Biotechnology in the Medical Scenario**. Department of Zoology. Nirmala College for Women, Coimbatore. 27.02.2007 & 28.02.2007.
4. UGC Sponsored National Seminar on **Ethics and Human Values**. Post Graduate & Research Department of History, Nirmala College for Women, Coimbatore. 24.09.2007 & 25.09.2007.
5. National Seminar on **Bio and Nano Materials**, PSG Institute of Advanced Studies, Coimbatore. 07.05.2008.
6. UGC Sponsored National Seminar on **Business Ethics**. Department of Commerce (Aided), Nirmala College for Women (Autonomous), Coimbatore. 30.07.2008 & 31.07.2008.
7. Indian Science Congress Association Sponsored National Seminar on **Biodiversity – Status, Conservation and Management**. PG and Research Department of Botany, Kongunadu Arts and Science College (A), Coimbatore. 12.09.2008 & 13.09.2008.
8. DST Sponsored National Seminar on **Current Trends in Applied Genetics and Bioethics**. Department of Zoology. Nirmala College for Women (A), Coimbatore. 18<sup>th</sup> & 19<sup>th</sup> September 2009.
9. Seminar Entitled **Cultivating Character**. Character Solutions International, Coimbatore. 05.04.2010.
10. UGC funded Seminar on **Assignments and Achievements of Applied Plant Sciences**. Department of Plant Biology and Plant Biotechnology, Nirmala College for Women (A), Coimbatore. 20.02.2010.

11. National Seminar on **the Inner Vision.... Psychological Insights in Contemporary Literature**. Post Graduate Department of English, Nirmala College for Women (A), Coimbatore, 06.01.2011.
12. International Interdisciplinary Research Seminar during the Event of 1<sup>st</sup> International Conference in South Asia on **Global Manufacturing Systems & Management. Advanced Integrated Manufacturing & Management Research Group**, Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore, India Jointly with Business Innovation Research Centre, University of Massachusetts, USA. 03.08.2011.
13. UGC sponsored National Seminar on **Challenges and Strategies in Human Rights Education**. Nirmala College for Women, Coimbatore on 25<sup>th</sup> August 2011.
14. Seminar on **Chemistry for Future**. Post Graduate & Research Department of Chemistry, Government Arts College (A), Coimbatore. 29.12.2011.
15. Regional Science Congress on Science for **Shaping Future of India**. Indian Science Congress Association, Coimbatore Chapter and Kongunadu Arts and Science College (Autonomous), Coimbatore. 15<sup>th</sup> & 16<sup>th</sup> December 2012.
16. UGC Sponsored National Seminar on **Trends in Environmental Resource Management**. PG and Research Department of Zoology, Nirmala College for Women (Autonomous), Coimbatore in Collaboration with Department of Environmental Management, Bharathidasan University, Tiruchirapalli. 7<sup>th</sup> & 8<sup>th</sup> August 2014.
17. UGC Sponsored National Seminar on **Emerging Trends in Frontiers of Chemistry**. Department of Chemistry, Sri GVG Visalakshi College for Women, Udumalpet, TN. 30.12.2014.
18. International Seminar on **Novel Approaches in Chemistry & Its Environmental Impacts (NACE' 15)**. Department of Chemistry, KPR Institute of Engineering & Technology, Coimbatore in Association with Indian Society for Technical Education, New Delhi. 26.09.2015.
19. **Nirmala Annual Research Congress (NARC 2016)**. IQAC, Nirmala College for Women (Autonomous), Coimbatore. 28.01.2016.
20. **Road Safety**. Indian Red Cross Society, Coimbatore District Branch at Adithya Institute of Technology, Coimbatore. 08.02.2016.
21. ICHR Sponsored National Seminar on **Environmental History**. Post Graduate & Research Department of History. Nirmala College for Women (Autonomous), Coimbatore. 29.07.2016.
22. UGC Autonomous Funded Seminar on **Recent Trends in Applied Plant Sciences**. PG and Research Department of Botany, Nirmala College for Women (Autonomous), Coimbatore. 08.02.2017.
23. UGC Funded Seminar on **Intellectual Property Rights and Highly Effective Teaching and Learning Methodologies**. IQAC, Nirmala College for Women (Autonomous), Coimbatore. 17.02.2017.
24. **Nirmala Annual Research Congress (NARC – 2017)**, Nirmala College for Women (Autonomous), Coimbatore. 06.12.2017.
25. DBT STAR College Scheme Funded National Seminar on **Advances in Biological Sciences Research**. PG and Research Department of Zoology, Nirmala College for Women (Autonomous), Coimbatore. 19<sup>th</sup> & 20<sup>th</sup> 2018.



26. **Nirmala Annual Research Congress (NARC – 2018)**, Nirmala College for Women (Autonomous), Coimbatore. 04.12.2018.
27. DBT Star College Scheme – International Seminar on **Frontiers in Nanotechnology and Computational Chemistry**. Department of Chemistry, Sri GVG Visalakshi College for Women, Udumalpet, Tamilnadu. 28.12.2018.
28. CSIR Sponsored National Seminar on **Design, Advanced Characterization and Applications of Next Generation Energy Technology Nanomaterials**. Department of Science and Humanities, PA College of Engineering and Technology, Pollachi. 25<sup>th</sup>& 26<sup>th</sup> April 2019.
29. **Nirmala Annual Research Congress (NARC – 2019)**, Nirmala College for Women (Autonomous), Coimbatore. 27.11.2019.
30. NAAC Sponsored National Seminar on **Quality Sustenance and Enhancement: Prospects for Attainment Global Standards**. IQAC, Nirmala College for Women (Autonomous), Coimbatore. 9<sup>th</sup>& 10<sup>th</sup> January 2020.
31. DBT-CTEP Department of Biotechnology, Government of India Funded Popular Lecture Series on **Basic Concepts and Recent Advances in Modern Biology / Biotechnology**, Nirmala College for Women (Autonomous), Coimbatore. 27.02.2020.

### 18) Participation in Symposium

1. UGC Sponsored National Symposium on **Sustainable Utilization and Conservation of Medicinal Plants**. Department of Plant Biology and Plant Biotechnology, Nirmala College for Women (Autonomous), Coimbatore. 21.08.2008 & 22.08.2008.
2. UGC Sponsored National Symposium on **Global Climate & its Implications**. Department of Geography, Nirmala College for Women (A), Coimbatore. 07.08.2009.
3. UGC Sponsored National Symposium on **Disaster Management – A Challenge for India's Sustainable Development**. Department of Economics, Nirmala College for Women (A), Coimbatore. 21<sup>st</sup>& 22<sup>nd</sup> August 2009.
4. UGC Sponsored Symposium on **an Interface of Biology with Nanotechnology**. Department of Zoology, Nirmala College for Women (A), Coimbatore. 08.10.2012.
5. STAR College Scheme, DBT, Govt of India Funded International Symposium on **Emerging Technologies that Transform Life Sciences**. PG and Research Department of Zoology, Nirmala College for Women (Autonomous), Coimbatore. 19.08.2019.
6. ICSSR Sponsored National Symposium on **Exploration of Research Innovations: Its Trends and Challenges**. Department of Library. Nirmala College for Women (Autonomous), Coimbatore. 11.01.2020.

### 19) Participation in Training

1. In-service **Training Programme in Chemistry** - Government of Tamilnadu, Department of School Education, Coimbatore District & PSGR Krishnammal Higher Secondary School for Girls, Coimbatore – 25.05.2005 to 29.05.2005.
2. **Food Safety and Quality**. Agricultural Engineering College and Research Institute, Post-Harvest Technology Centre, Tamil Nadu Agricultural University, Coimbatore. 25.03.2009 & 26.03.2009.

3. **Higher Education of Students with Hearing Impairment.** State Resource Cum Training Center, Chennai and Dr.MGR Home and Higher Secondary School for the speech and hearing Impaired, MGR Gardens, Chennai. 01.03.2010.
4. **Medical Textiles.** The South India Textile Research Association (SITRA) – Centre of Excellence for Medical Textiles, Coimbatore. 21.07.2015.
5. **High Resolution Transmission Electron Microscopy, Scanning Electron Microscopy and Scanning Probe Microscopy.** NRIIC, PSG Institute of Advanced Studies, PSG College of Technology and PSG Science and Technology Entrepreneurial Park, Coimbatore. 14<sup>th</sup>& 15<sup>th</sup> September 2018.
6. DST-Curie Sponsored Training Programme on **Field Emission Scanning Electron Microscope (FESEM).**Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore. 22.09.2018.
7. Sensitization Program on **Fourier Transform Infrared Spectroscopy (FTIR) and Electrochemical Studies.**Nanotech Research, Innovation and Incubation Centre (NRIIC), PSG Institute of Advanced Studies, Coimbatore. 08.06.2019.

## 20) Participation in Workshop

1. **Free Style Embroidery and Counted Thread.** Sengethi & Anchor, Coimbatore. 10.02.2007 & 11.02.2007.
2. National Level Workshop on **Renewable Energy Applications in Rural Areas.** Renewable Energy Club. Kumaraguru College of Technology, Coimbatore. 21.07.2007.
3. National Level Workshop on **Current Developments in Chemistry CDC – 2008.** Post Graduate and Research Department of Chemistry, Government Arts College (Autonomous), Coimbatore. 07.02.2008 & 08.02.2008.
4. Workshop on **Cybermatics.** Department of Mathematics with Computer Applications. Nirmala College for Women (Autonomous), Coimbatore. 25.02.2008.
5. **Self-Avocation & Vocation.** Department of Commerce (Aided), Nirmala College for Women (A), Coimbatore. 27<sup>th</sup>& 28<sup>th</sup> January 2011.
6. **Hands on Training in Latex.** Department of Mathematics. Nirmala College for Women (Autonomous), Coimbatore. 10.02.2012.
7. **District Level Dissemination Workshop.** Indian Red Cross Society, Coimbatore District Branch, Coimbatore. 07.08.2012.
8. **Microscale Experiments in Chemistry.** Post Graduate and Research Department of Chemistry. PSGR Krishnammal College for Women, Coimbatore. 14.08.2012.
9. **Phyto and Molecular Techniques.** Department of Botany (DBT STAR College Scheme), Nirmala College for Women (Autonomous), Coimbatore and Denovo Scientific, Coimbatore. 26<sup>th</sup>& 27<sup>th</sup> August 2014.
10. **District Level Workshop on Dissemination of Red Cross Principles and International Humanitarian Law.** Indian Red Cross Society, Coimbatore District Branch at Adithya Institute of Technology, Coimbatore. 08.02.2016.
11. 65<sup>th</sup>& 66<sup>th</sup> Anniversary of Geneva Conventions Celebration & Presentation of Awards. Indian Red Cross Society, Tamil Nadu Branch, Chennai at Bharathiar University, Coimbatore. 28.03.2016.

12. Science Academies' Lecture Workshop on **Advances in Materials Electrochemistry**. Department of Chemistry (PG & Research), Kongunadu Arts and Science College, Coimbatore. 21<sup>st</sup> & 22<sup>nd</sup> July 2017.
13. Workshop on **Outcome Based Education**. IQAC, Nirmala College for Women (Autonomous), Coimbatore. 24.03.2018.
14. UGC Sponsored Workshop on **Outcome Based Education (Programme Outcomes, Mapping, Question Paper Setting, Course Attainment)**. IQAC. Nirmala College for Women (Autonomous), Coimbatore. 22<sup>nd</sup> & 23<sup>rd</sup> June 2018.
15. Orientation Workshop in **Open Access E-Resources for Research & INFLIBNET – Resources**. Department of Library and Information Science, Nirmala College for Women (Autonomous), Coimbatore. 09.11.2018.
16. UGC Funded Workshop on **Intellectual Property Rights, Patent and CopyRights**. IQAC, Nirmala College for Women (Autonomous), Coimbatore. 02.02.2019.
17. **Identification and Control of CBRN Hazards in Workplace (Chemical, Biological, Radiological & Nuclear) and Hands on Training on Fire and Safety**. Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore. 27.09.2019.
18. Tamilnadu State Council for Higher Education (TANSICHE) Sponsored State Level **Workshop on Rainwater Harvesting and Water Management in Developing Cities**. CBM College, Kovaipudur, Coimbatore in Association with the Coimbatore City Municipal Corporation, Coimbatore. 02.11.2019.
19. Workshop on **Revised Guidelines for the Accreditation Process of NAAC** Funded under the UGC PARAMARSH Scheme. IQAC, Nirmala College for Women (Autonomous), Coimbatore. 22.02.2020.
20. **Varma, Siddha on Free Siddha & Varma Camp**. Nirmala College for Women (A), Coimbatore in Association with Bharatyheey Nattuvaidhya Samithy, Thiruvananthapuram, Kerala Affiliated to Concordia Open University. 29.02.2020.
21. Workshop on **Revised Guidelines for the Accreditation Process of NAAC**. Funded under the UGC Autonomous Grant. IQAC, Nirmala College for Women (Autonomous), Coimbatore. 07.03.2020.
22. UGC Autonomous Grant Workshop on **Innovative Eco – Systems, Incubation Centres and Start – Ups for Higher Education Institutions** – IQAC, Nirmala College for Women (A), Coimbatore - 19.03.2020.
23. Introduction to Molecular Modelling. Department of Chemistry, Sri GVG Visalakshi College for Women, Udumalpet. 18.06.21 & 19.06.21.
24. Paramarsh Scheme Sponsored - Best Practices and Evolving Bench Marks in Higher Education Institutions. IQAC, Nirmala College for Women, Coimbatore. 20.06.21.
25. E Presentation Techniques. National Level Workshop. Lions Club of Chidambaram Excellence & Lions Club of Pondicherry Excellence, Lions Clubs International, India. 05.07.21 to 07.07.21.
26. Research for Academic Excellence. SRM Institute of Science and Technology, Ramapuram, Chennai. 22.07.21 & 23.07.21.
27. Best Practices in Teaching, Learning and Evaluation – IQAC – Nirmala College for Women, Coimbatore. 30.07.21

28. UGC – PARAMARSH Scheme Workshop on **Online Submission of Data towards NAAC – an Overview.** – IQAC, Nirmala College for Women (A), Coimbatore – 23.09.2021.

## 21) Participation in Orientation Programme / Induction Programme / Short term Courses

- **UGC Sponsored 68<sup>th</sup> Orientation Course** conducted by UGC–ASC (University Grants Commission – Academic Staff College) Bharathiar University, Coimbatore – 46, from 12.12. 2007 to 08.01.2008 and obtained the Grade – A.
- **Zonal Level Orientation Training Programme for Youth Red Cross Volunteers -** Indian Red Cross Society, Tamilnadu Branch held at Bharathiar University, Coimbatore from 23.01.2012 to 25.01.2012.
- **Orientation Training Programme for Youth Red Cross Programme Officers -** Indian Red Cross Society, Tamilnadu Branch held at Bharathiar University, Coimbatore on 31.03.2012.
- **UGC Sponsored 118<sup>th</sup> Orientation Programme** Conducted by UGC-ASC (University Grants Commission – Academic Staff College) Bharathiar University, Coimbatore – 46, from 17.11.2017 to 14.12.2017.
- **TEQIP – III Sponsored Refresher Course on “Research Methodology”** Organized by Department of Chemistry, Coimbatore Institute of Technology, Coimbatore from 13.05.2019 to 26.05.2019.
- **AICTE, SWAYAM, MHRD, UGC - Online Refresher Course in Chemistry for Higher Education** Offered by Sri Guru Tegh Bahadur Khalsa College, Delhi (October 2018 to March 2019 ) Exam Dated 30.03.2019. Date of Issue: 29.05.2019.
- **Swayam, NPTEL, IIT, Kharagpur. Course on Stereochemistry.** June – September 2019. (29.09.2019).
- **MOOC’s, E Content Development and Open Educational Resources – Workshop -** UGC – HRDC Bharathiar University, Coimbatore 04.12.2019 to 10.12.2019.
- **AICTE, SWAYAM, MHRD, UGC - Online Refresher Course in Chemistry for Higher Education** Offered by Sri Guru Tegh Bahadur Khalsa College, Delhi (4Months) Exam Dated 16.02.2020. Date of Issue 30.06.2020. (95.43 %)
- **Virtual Learning Environment – Short Term Course –** APA College of Arts and Culture, Palani – 18.05.2020 to 24.05.2020 (7 Days).
- **21 Days Virtual Course on Research Methodology.** K.S.Rangaswamy College of Technology (Autonomous), Tiruchengode and Nature Science Foundation, Coimbatore. 05.06.2020.
- **Online Refresher Course on Science Academics –** PG and Research Department of Chemistry and Physics, APA College of Arts and Culture, Palani – 24.06.2020 to 07.07.2020 (14 Days) – A+ Grade.
- **Interpersonal Skills of Best Behavioural Teachers –** Short Term Course - Department of Management Studies, PSR Engineering College, Chennai – 17.08.2020 to 22.08.2020 (6 Days)
- **Development of Self-Learning Material –** NITTTR Chandigarh & SWAYAM – 29.09.2020. 86 %.
- **Refresher Course in Chemistry –** UGC HRDC – Bharathiar University, Coimbatore – 10.12.2020 to 23.12.2020.

- **FDP on Pedagogy and Research Methods – HRDC and IQAC – AMET Academy of Maritime Education and Training – 24.05.21 to 06.06.21. A+**
- **Short Term Training Program on Enriching Pragmatic Pedagogy for the Emerging Teachers – Lords Institute of Engineering and Technology (An Autonomous Institute, Hyderabad. 21.06.21 to 06.07.21.**

## 22) Participation in Syllabus Meeting

- Guide's Meeting (M.Phil & Ph.D). Department of Chemistry, Bharathiar University, Coimbatore. 25.04.2018.

## 23) Participation in Faculty Development Programme

1. **Environment Audit of Infrastructure, Extension Activity and Institutional Social Responsibility.** IQAC. Nirmala College for Women (Autonomous), Coimbatore. 30.10.2015.
2. DBT Scheme Funded **Hands on Training Programme on Google Doc's, KAHOOT Apps and Online Book Publishing.** Department of Mathematics, Nirmala College for Women (Autonomous), Coimbatore. 27.11.2018.
3. DBT Scheme Funded Training Programme on **Tuning Academic Research for Potential Funding Opportunities.** Department of Chemistry, Nirmala College for Women (Autonomous), Coimbatore. 19.01.2019.
4. FDP on **Innovative Teaching Strategies.** Curriculum Development Cell, Nirmala College for Women (Autonomous), Coimbatore. 30.10.2019.
5. AICTE Approved FDP – **Development of Self-Learning Material – UGC – AICTE – SWAYAM – MHRD – Start Date 24.02.2020 – End Date 17.04.2020 – Exam Date 29.09.2020. (8 Weeks).**
6. **Research Funding Projects & IPR (Part II).** KC College of Engineering and Management Studies and Research, Thane (East) under the Banner of IETE and IIC. Department of Electronics & Telecommunication, Computer Engineering and Information Technology. IQAC and Research & Development Cell. 07.06.21 to 09.06.21.
7. DBT Scheme Funded One Week FDP Programme on **e-Content Skill Development –** Department of Mathematics, Coimbatore – 641 018 – 14<sup>th</sup> – 19<sup>th</sup> June 2021.
8. **Recent Developments in Materials Science 21.** Department of Physics and Chemistry, Sree Saraswathi Thyagaraja College, Pollachi. 16.06.21 to
9. **Digital Tools for Active Teaching Evaluation and Research.** DBT funded, Department of Chemistry. Sri GVG Visalakshi College for Women (A), Udumalpet. 28.07.21 to 30.06.21.
10. **Industry 4.0 – The way forward.** Manjara Charitable Trust, Rajiv Gandhi Institute of Technology, Mumbai. 29.06.21 to 01.07.21.
11. **Molecular Docking.** DBT Funded. Department of Zoology, Nirmala College for Women (Autonomous), Coimbatore. 23.07.21 to 24.07.21.

12. **Curriculum Development, Research and Publication Ethics.** Department of English and other Foreign Languages SRM Institute of Science and Technology, Chennai. 02.08.21 to 09.08.21.

#### 24) Participation in Sports

1. Winner – CRIMSON shuttle Tournaments for the year 2001 – 2002 – Perks Sports Academy – October 2001.
2. Mini Marathon. Alvernia Matric, Hr. Sec. School. Golden Jubilee Parents Mini Marathon 2016. 17.01.2016.
3. Won Prizes in Throw ball and Cricket conducted on Sports Day – Nirmala College for Women (Autonomous), Coimbatore.

#### 25) Conference/ Seminar/ Workshop Organized

- **Recent Trends in Chemistry**– National Seminar – 1<sup>st</sup>and 2<sup>nd</sup>March 2007.
- **Innovative Teaching Learning in Chemistry** – Regional Workshop - 7<sup>th</sup>December 2007.
- **Food Quality and Safety** – UGC Sponsored National Seminar – 9<sup>th</sup>January 2009.
- **Nano Science and Technology – A Chemistry Perspective**– UGC Sponsored National Seminar - 24<sup>th</sup>September 2009.
- **Traditional and Modern Medicine: Current Trends and Future Prospects**– UGC Sponsored National Seminar - 25<sup>th</sup>February 2011.
- **Chemistry – A Solution to Global Challenges**– UGC Sponsored National Seminar – 24<sup>th</sup>February 2012.
- **Essentials of Spectroscopy, Pericyclic Reactions and Quantum Chemistry – SPQ - 2013** - Regional Workshop – 09.01.2013 & 10.01.2013.
- **Fundamentals of Statistical Thermodynamics, Nano Chemistry, Corrosion Chemistry and Spectroscopy – STNCS 2013** - Seminar – 3<sup>rd</sup>& 4<sup>th</sup>September 2013.
- **Spectroscopy Techniques and Applications in Chemical Structure Elucidation STACSE—2014** - Science Academic' Lecture Workshop 5<sup>th</sup> And 6<sup>th</sup>December 2014.
- **Advances in Chemistry**- Seminar - 13<sup>th</sup>February 2015.
- **Micro Analysis in Chemistry** – Workshop under DBT STAR College Scheme. 19.01.2016
- **Emerging Trends in Frontiers of Metal Organic Chemistry** - UGC Sponsored Seminar - 18.02.2016.
- **Intercollegiate Students Meet – CHEMFLAIR' 16**. 27.09.2016.
- **Orientation Programme for UGC NET Exam in Chemistry** – UGC Funded - 10.02.2017.
- **Principles and Applications of Mass Spectrometry, Polarography and Nano Chemistry** – UGC Funded Seminar – 12.02.2018.
- **Chemistry for National Level Competitive Examination** – Orientation Workshop – 29.10.2018.
- **Tuning Academic Research for Potential Funding Opportunities** – FDP - Funded Under the DBT Scheme – 19.01.2019.
- **World Ozone Day Celebration** – Poster Competition – Every Ozone Hole – A Threat to our Soul. Funded under the DBT Star College Scheme – 16.09.2019.

- **History and Chemistry of Periodic Table** – Exhibition in Commemoration of International Year of Periodic Table of Chemical Elements – IYPT 2019 – Funded Under the Star College Scheme, DBT, Govt of India - 19.09.2019.
- In Commemoration of **International Year of Periodic Table of Chemical Elements – IYPT 2019** – National Seminar - Funded Under the Star College Scheme, DBT, Govt. of India -20.09.2019.
- FDP Programme for Non-Teaching Faculty – Know First Aid – become a Life Saver. DBT Funded FDP Programme for Non-Teaching Faculty – 02.12.2019.
- **Sustainable Innovations and Empowerment in Chemistry** – International Symposium –Video Conference - 18.12.2019.
- **Intercollegiate Students Meet – CHEMFLAIR’ 20.** 21.01.2020.
- **Contemporary Horizons in Chemical Sciences (CHCS 2020)**- International Seminar - 10.02.2020.
- **Panoramic View of Futuristic Trends in Chemical Sciences** – International Seminar – Funded Under the Star College Scheme, DBT, Govt. of India 10.03.2021.
- **Sustainable Developments in Materials & Medicinal Chemistry** – International Conference – Funded Under the Star College Scheme, DBT, Govt. of India. 19.07.21 & 20.07.21.

## 26) Resource Person / Judge / Guest Lecture / Invited Speaker

- Resource Person – **Demonstration of Textile Screen Printing.** Nirmala College for Women, Coimbatore. 11.12.2012.
- Resource Person – **Training Programme on Home Care Products and Textile Screen Printing.** For SHG Women – Rhythem Social Service Society for Women, Coimbatore organized by Department of Chemistry, Nirmala College for Women (Autonomous), Coimbatore. 15.06.2016.
- Invited Speaker – **Role and Responsibility of Youth in Youth Red Cross** – YRC and Volunteer Blood Donation Club, Nirmala College for Women, Coimbatore – 23.07.2018.
- Judge – **Pencil Sketching Competition** – Independence Day Celebration – Department of History, Nirmala College for Women, Coimbatore. 27.08.2018
- Guest Lecture on “**Career Opportunities in Chemistry**” and “**Electrochemistry**”. PSGR Krishnammal Higher Secondary School for Girls. 20.11.2018
- Invited Speaker - **EMPOWER HER – Role of Youth Red Cross in Inspiring Young Girls to Lead Change** - Orientation Programme to YRC Volunteers – Nirmala College for Women, Coimbatore –23.07.2019.
- Resource Person - **Demonstration and Hands on Training in Organic Chemistry** - for District Level Training on New Text Book for XII for PG Teachers for the Year 2019 – 2020 organized by District Institute of Education and Training (DIET) - 20.06.2019 & 21.06.2019
- Chief Guest for **Inaugural Function Various Clubs** – Nirmala Matha Convent Matric. Hr. Sec. School, Sakthi Easwer Nagar, Vellalore, Coimbatore - 01.08.2019.
- Resource Person –**Workshop on Textile Screen Printing.** - SHG Women – Rhythem Social Service Society for Women, Coimbatore organized by Department of Chemistry, Nirmala College for Women (Autonomous), Coimbatore. 20.08.2019.

- Resource Person – **Earn While Learn – Empowerment as Entrepreneur through Design Making. Department of Chemistry, Nirmala College for Women, Coimbatore - 21.08.2019.**
- Resource Person - **Know First Aid – Become a Life Saver.** DBT Funded FDP Programme for Non-Teaching Faculty – 02.12.2019.
- Resource Person - **Laboratory Accidents and Its First Aid –** DBT Funded Workshop –Nirmala College for Women, Coimbatore - 02.12.2019.
- Resource Person – **Workshop on E Content Development through Photo Apps. –** Nirmala College for Women, Coimbatore - 13.12.2019
- Resource Person **FDP on Swayam Learning and its Resources –** St. Joseph’s College for Women, Kangayam Road, Tirupur – 31.08.2019.
- Guest Lecturer on **Career Scope After +2.** PSGR Krishnammal Higher Secondary School for Girls, Coimbatore – 05.12.2020.
- **DBT Mentor Meeting.** Sri GVG Visalakshi College for Women, Udumalpet – 642 128. 05.01.2021.
- Resource Person – **Lets Be the Change –** Road Safety Patrol, Nirmala College for Women, Coimbatore. 15.02.2021.
- Resource Person – **Business Accounting Application –** Department of Commerce with E-Commerce, Nirmala College for Women. 26.04.2021.
- **DBT Mentor Meeting.** Sri GVG Visalakshi College for Women, Udumalpet – 642 128. 01.11.2021.
- **University Nominee BOS –** Department of Chemistry, PSGRK College for Women, Coimbatore 26.11.21.

## 27) Member in Board of Study

- University Nominee for Board of Studies – PSGR Krishnammal College for Women, Coimbatore. (2021 – 2022 to 2023 – 2024).
- Department of Chemistry, Nirmala College for Women, Coimbatore – 18.

## 28) Editorial / Review Board Member

### Editorial Board Member

- International Journal of Humanities and Sciences (IJHS) from 2019 onwards.

### Review Board Member

- Reviewed three research papers for the Journal “Advances in Applied Research”. ISSN: 0974-3839.
- Reviewed research papers for the Journal “Green Chemistry Reviews and Letters”. November 2015.
- Reviewed research article for “Advances in Applied Research” ISSN: 0974 – 3839 on 26.10.2016.
- Reviewer for InSc – International Journal of Basic and Applied Sciences. (2019).



## 29) Membership in Professional Bodies

Name of Professional Body	Nature of Membership	Duration
Indian Science Congress Association	Member No. A826 Date of Joining 2008	Life Time
Institute of Scholars	Professional INSC ID: INSC2019612 Date of Joining 2019	Life Time
Membership in the: Certified Microsoft Innovative Educator	Microsoft Educator Center Worldwide Education 18.07.2020	-
American Chemical Society (ACS)	Community Member No. 32729394 Date of Joining 14.06.2021	Life Time
Vigyan Bharathi	Vibha Membership Individual ID: 30110 Date of Joining 30.06.2021	Life Time
International Association of Engineers	Member	Life Time
International Research Association	Member	Life Time

## 30) Awards and Achievements

- Appreciation Certificate invaluable services and cooperation extended to public by Blood Donation & securing Bharathiar University First Rank in B.Sc. (Chemistry 1992 Exams – Lions Club of Coimbatore – Ramanathapuram – 16.06.1992.
- Meritorious Student Award from Jawaharlal Nehru Memorial Fund, New Delhi, in Recognition of Excellence (University First Rank) in UG Examination – 22.12.1992.
- Certificate and Prizes from The Honourable Educational Minister Mr. C. Aranganayagam for Achieving University First Rank (Gold Medalist) in the Bharathiar University UG Examination (B.Sc.).
- Special Prize (Medal and Certificate) from the Principal (Rev. Sr. Nympha), Nirmala College For Women, Securing First Rank in the University Examination during 1989 – 1992 – 19.02.1993.

- Certificate for Blood Donation – Lions Club of Coimbatore Supreme in Association with PSG Hospitals, Coimbatore and G.V Memorial Institute of Immunohaematology – 17.01.1993.
- Certificates of Appreciation from Academic Council of Principals of Matric Schools for Producing Outstanding Results at the Higher Secondary Examination, for March 2002.
- Certificates of Appreciation from Academic Council of Principals of Matric Schools for Producing Outstanding Results at the Higher Secondary Examination, for March 2003.
- All India Level University Gold Medal from, His Excellency, The President of India, Dr.A.P.J.ABDUL KALAM for Standing First in the Examination for Bachelor of Education (B.Ed.) Held in December 2003, IGNOU New Delhi.
- Shield from The Lions Club Governor as an Appreciation for Receiving All India Level University Gold Medal In B.Ed. –
- “Sathanai Penn” Award from Vasanthavasal Kavi Mandram.08.05.2005.
- Won Best Paper Presentation Award – UGC Sponsored Symposium on Disaster Management – A Challenge for India’s Sustainable Development – Department of Economics, Nirmala College for Women (A), Coimbatore – 21<sup>st</sup>& 22 August 2009.
- Certificate and Trophy for “Senior Women Educator and Scholar Award” from National Foundation for Entrepreneurship Development on Women’s Day Awards & Celebrations – 8<sup>th</sup> March 2014 for Significant Contribution to Teaching & Scholarly Activities.
- Certificate of Appreciation and Shield for Best Youth Red Cross Programme Officer for the Academic Year 2013 – 2014 from Indian Red Cross Society, Coimbatore District Branch – 12<sup>th</sup>August 2014from Dr. Nandini Rangaswamy, Chairperson, Indian Red Cross Society, Coimbatore District Branch on 23.08.2014 at Indian Red Cross Thaliar Premises, Coimbatore.
- Certificate and Medal for Outstanding Educator and Scholar Award from National Foundation for Entrepreneurship Development on the 5<sup>th</sup> Teachers Day Awards & Celebrations – 2014 for Impeccable Contribution to Teaching and Research. 05.09.2014.
- Certificate of Appreciation and Medal from Ms. Archana Patnaik – Coimbatore District Collector, on National Voluntary Blood Day Celebration organized by the District AIDS Prevention and Control Unit, Coimbatore - for Organizing Blood Donation Camp - Youth Red Cross and Voluntary Blood Donation Club – Nirmala College for Women, Coimbatore for the Academic Year 2014 -2015. 54 Students Donated Blood in the Camp.
- Certificate of Appreciation (Shield) from Prof. A. Ganapathi Vice Chancellor, Bharathiar University, Coimbatore for Best Performance in Youth Red Cross Movement for the Year 2013 -2014 on 28.03.16, organized by Indian Red Cross Society, Tamilnadu Branch, Chennai.
- The Best Teacher Award during Aufau International Awards 2016 in recognition of Significant Contribution in Education by Chemical Science Review and Letters, Salem – 04.06.2016.
- Certificate of Appreciation for Active Participation in Indian Red Cross Society During 2015 – 2016 from Mr. Harish L Mehta, Chairperson, Indian Red Cross

Society, Tamilnadu Branch, Chennai and Dr. Nandini Rangaswamy Chairperson, IRCS, Coimbatore District Branch on 05.07.2016.

- Certificate of Appreciation for Active Participation in Project DEAF 2nd Phase (Detection of Early Deafness and Prevention of Future Dumbness) from Mr. Harish L Mehta, Chairperson, Indian Red Cross Society, Tamilnadu Branch, Chennai and Dr. Nandini Rangaswamy Chairperson, IRCS, Coimbatore District Branch on 05.07.2016.
- 70<sup>th</sup> Republic Day Parade Certificate to Recognize the Extraordinary Efforts taken by Dr.N.Gunavathy Senior Road Safety Patrol Officer of Nirmala College for Women, Coimbatore City – Tamilnadu Police, Traffic Wardens, Coimbatore City, Coimbatore. 26.01.2019.
- Best Paper Presenter Award for Presenting an Excellent Research Paper Orally– International Conference on Emerging Trends in Science and Social Science organized by V.H.N. Senthilkumara Nadar College (Autonomous), Virudhunagar. Indian Institute For Integrated Regenerative Medicine, Malaysia held during 3<sup>rd</sup> and 4<sup>th</sup> May 2019 in Kuala Lumpur, Malaysia.
- Research Excellence Award 2019 from Institute of Scholars, Bengaluru. 03.07.2019
- Honoured as Arungkavi Arasi by Vasantha Vasal Kavi Mandram, Coimbatore. 28.01.2020.
- Contribution – Thickest Book in the World – World Book of Records, London – ESN Publication, Chennai. 30.01.2021.
- Global Eminent Academician Award by Vij Trust. Thirunindravur, TN Reg. No. 959/2010/BK4 – Date 04.03.2021.
- Indian Women Achiever Award 2021. International Research Association, England UK. Confirmation No. 2021/23/20. 19 August 2021.
- Pillars of India Award 2021 – ESN Publication, Chennai. 27.11.2021.