

Dr. N.LATHA, M. Sc., M.Phil., Ph. D.,

- ❖ Ph.D., Chemistry by February 2012 from Periyar University, as Part-Time Scholar
- ❖ Current Position Associate Professor, Department of Chemistry, Kandaswami Kandar's College, Velur-Namakkal-638182, Tamil Nadu, India
- ❖ Teaching Experience is 21 Years & 6 Months
- ❖ Number of Ph.D's Produced Under Periyar University - 2
- ❖ Number of Ph.D students guiding Under Periyar University - 5
- ❖ Number of M.Phil students guided Under Periyar University - 14
- ❖ Number of Publications in Peer Reviewed Journals - 18
 - ❖ Book Chapter (International- Springer) - 1
- ❖ Serving as Reviewer of many journals published by Elsevier, Springer, & other journals
- ❖ Journal Publication Citations:
 - Google Scholar - 261 & h Index - 8
 - Scopus - 128 & h Index - 7
- ❖ Research Papers Presented in Conferences
 - In International Conferences - 23
 - In National Conferences - 30
- ❖ Research Areas - Nanomaterials, Green Chemistry, Biomaterials, Electrochemistry
- ❖ Member of International & National Professional and Scientific Associations.
- ❖ Organizing Secretary / Convener / Coordinator / Steering Committee Member for Organizing International / National Level Conference / Seminar / Workshop
- ❖ International Organising Committee Member, coordinator for the National Conferences Scientific Associations across the World.

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Dr. N. LATHA, M. Sc. M.Phil. Ph.D.,

Dr. N. Latha was born in 1976 an academic family in Namakkal District, Tamil Nadu, India. She had her school education at Government Schools, Namakkal and got her B.Sc. Degree from N.K.R Government Arts College for Women, University of Madras, and M.Sc. Degree from Kandaswami Kandaras College, University of Madras, and M.Phil Degree from Department of Analytical Chemistry, University of Madras in the Year 2000 and Ph.D. Degree from Kandaswami Kandaras College, Periyar University, Salem in the year February 2012. She is having a total experience of 22 years in Research & Development and her teaching experience is 21 years 6 Months in leading Educational Institutions. She actively engaged in research activities as a recognized research supervisor by Periyar University, Salem. Her research field is Electro and Electroless metallic Coatings on aluminium, Anodisation of aluminium, Electrochemical investigation on various synthesized materials, Green synthesis of various metal Nanoparticles from medicinal plants, synthesis of different functional nanomaterials for drug delivery applications, biomaterials and fiber reinforced composites. She completed one UGC- minor research project. She participated and presented a paper in many international and national conference / seminars/ workshop / symposium. She organized a DST funded National seminar. She is a Coordinator of Outreach Programme, IISER – Thiruvananthapuram, Kerala. She is an Organizing committee member in an International conference and organized one National Webinar collaborated with Indian Chemical Society (ICS), Tamil Nadu Branch.

She guided two Ph.D students and guiding 5 Ph.D Scholars and 14 M.Phil students. She is having 4 publications in proceeding of the book. She has published papers in reputed journals. She has published papers in Royal Society of Chemistry-New Journal of Chemistry, International Journal of Biological Macromolecules, Journal of Materials Research and Technology, Bulletin of Material Science, Current Nanoscience, Materials Testing and BioNanoScience. She served as a Reviewer of many National/International Journals and published a book chapter in Springer.

She is a Life Member in Chemical Research Society of India (**CRSI**), Indian Institute of Science, Bangaluru, Fellow of Indian Chemical Society (FICS) and Life Member of Indian Chemical Society and Member in MTS Academy (Mylai Thiruvalluvar Tamizh Sangam), Chennai.

Dr. N. LATHA, M. Sc. M.Phil. Ph.D.,

She is also serving as a question paper setter for universities, additional chief superintendent, External examiner, Member of the Inspection committee for granting continuous affiliation and Temporary affiliation to the course of B.Sc., Chemistry, Periyar University, Salem. She served as Member in Examination cell, Calendar committee, MHRD Innovation Cell, Science exhibition committee and Convener of Reading club at Kandaswami Kandar's College. Currently, she is working as an Associate Professor in the Department of Chemistry, Kandaswami Kandar's College (Govt. Aided), Velur, Namakkal District, Tamil Nadu, India.

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EDUCATIONAL QUALIFICATIONS:

❖ **Doctor of Philosophy (Ph.D.)** in Chemistry – 2012

✚ Thesis Title: “*Synthesis and Characterisation of Nanocrystalline Nickel on aluminium by Electroless Deposition*”
 a reservoir of Indian theses

❖ **Master of Philosophy (M.Phil.)** in Chemistry – 1999-2000

✚ Department of Analytical Chemistry, University of Madras, Chennai

❖ **Master of Science (M.Sc.)** in Chemistry - (1996-1998)

✚ Kandaswami Kandar's College, P-Velur, Namakkal Dt, University of Madras, Chennai

❖ **Bachelor of Science (B.Sc.)** in Chemistry - (1993-1996)

✚ N.K.R. Govt. Arts College for Women, Namakkal.

TEACHING EXPERIENCES : 21 YEARS 11 MONTHS

❖ **Lecturer**, Department of Chemistry, Kandaswami Kandar's College, (Un-Aided Course), P-Velur, Namakkal Dt. From 8.9.2000 to 27.8. 2005

❖ **Assistant Professor**, Mahendra Art's & Science College, Kalippatti. Thiruchengode, 28.8.2005 to 9.5.2006

❖ **Assistant Professor**, Department of Chemistry, Kandaswami Kandar's College, P-Velur, Namakkal Dt. **From Feb 2008 to till date. (Govt.Aided)**

RESEARCH CREDENTIALS/IDENTITY

- **ORCID iD** : <http://www.orcid.org/0000-0002-7821-9761>
- **RESEARCHER ID** : <http://www.researcherid.com/rid/ADS-4413-2022>
- **SCOPUS**: <http://www.scopus.com/authid/detail.url?authorId=57056047700>
- **GOOGLE SCHOLAR**: <http://scholar.google.co.in/citations?user=o7lo1q8AAAAJ>
- **UGC INFLIBNET VIDWAN**: <https://vidwan.inflibnet.ac.in/profile/371592>

FIELD OF INTEREST

Currently working in the area of

- ❖ Nanomaterials
- ❖ Green Chemistry
- ❖ Electrochemistry
- ❖ Environmental chemistry

FUNDED PROJECT – 01

1. Title: Synthesis and Characterisation of Nanocrystalline metals

Funding Agency: University Grant Commission, SERO, Hyderabad-1
Ref. (No. F. MRP-3162/09 (UGC- SERO), date: Sept. 2009
Amount: Rs. 1,75,000/-
Completed Year: Sept.2009 - Oct.2011

AWARDS AND HONOURS

- ❖ **Additional Chief Superintendent** for Periyar University Examinations- From April.2012 to 2022
- ❖ **Member of the Inspection committee** for granting continuous affiliation & Temporary affiliation to the course of B.Sc., Chemistry Year 2014-15 & 2017-19
- ❖ **External Examiner** for B.Sc/ M.Sc., Chemistry Practical/ Project viva- voce for Affiliated Colleges in Periyar University, Salem & Autonomous Colleges/M.Phil Chemistry thesis evaluation Examinations at Bharathiar University, Coimbatore.
- ❖ **Mentor and Class Coordinator of UG students**
- ❖ **Question Paper Setter for Universities**
- ❖ **Reviewer -**
Serving as Research Paper Reviewer for Journal of Pharmaceutical and Biomedical Research.

- ❖ Serving as Research Paper Reviewer for Journal of Desalination and Water Treatment.
- ❖ Serving as Research Paper Reviewer for Pharmaceutical Nanotechnology
- ❖ Serving as Research Paper Reviewer for BioNanoscience (Springer)
- ❖ Serving as Research Paper Reviewer for Global Journals (GJSFR), USA
- ❖ Serving as Research Paper Reviewer for Composite Communications
- ❖ Serving as Research Paper Reviewer for Journal of Global Ecology and Environment
- ❖ Serving as Research Paper Reviewer for Journal of Nanomaterials
- ❖ Serving as Research Paper Reviewer for Journal of Complementary and Alternative
- ❖ Medical Research
- ❖ Serving as Research Paper Reviewer for Current Research in Green and sustainable Chemistry (Elsevier)
- ❖ Serving as Research Paper Reviewer for Chemical Science International Journal

- ❖ **Doctoral Committee member** for Ph.D Scholars in Periyar University, Salem.
- ❖ **Best Oral/Poster Presentation Awards: Two (for Research work)**
Received by Ph.D. students
- ❖ **Dr.S.Radhakrishnan Award** Received on 8.3.2019, Recognition of their contributions in the field of education - Venue: International institute of Tamil studies, Perarignar Auditorium, Chennai- Kanchi Kalai Changamam Eyal Isai, Nataka, Nattupura Kalaikuudam- on behalf of Tamilnadu Government
- ❖ **Published : arasumalar Website: <http://arasumalar.com/4732/>**

MEMBERSHIP IN SCIENTIFIC BODIES (Fellow / Life member)

- ❖ Life Member in Chemical Research Society of India (**CRSI**), Indian Institute of Science, Bangaluru, Membership No: LM 2441 (Date: 06-11-2019).
- ❖ FICS - Fellow of Indian Chemical Society and Life Member 18th June 2020 No. 8334 (LM).
- ❖ Member in MTS Academy (**Mylai Thiruvalluvar Tamizh Sangam**), Chennai- Life Member

RESEARCH GUIDING:

- ❖ No. of Ph.D. Students completed - 2
- 1. Design and Development of Functional Nanomaterials for Biological Applications.

M.Gowri, 15.07.2020, Reg.No: 15PHF1926/Periyar University, Salem/



2. Synthesis and Characterisation Of Biodegradable Poly Aramid Filled Natural Fiber Composites.



S.Anidha, 05.03.2021, Reg.No: 14PHP2171/Periyar University, Salem/

- ❖ No. of Ph.D. Students under guidance -5
- ❖ No. of. M.Phil. Students completed - 14
- ❖ No. of. M.SC. Students completed - 21

BOOK CHAPTERS PUBLISHED: (INTERNATIONAL)

1. Murugesan Gowri, **Nachimuthu Latha**, and Mariappan Rajan, Shape Memory Composites Based on Polymers and Metals for 4D Printing Processes, Applications and Challenges/Chapter 12 Fiber- and Fabric-Reinforced Shape-Memory Polymers, (19.05.2022) ISBN 978-3-030-94113-0 & ISBN 978-3-030-94114-7 (eBook) <https://doi.org/10.1007/978-3-030-94114-7>, Publisher (**Springer Nature Switzerland**)

BOOKS PUBLISHED:

Pharmaceutical Chemistry, Priya Publications, Karur.

RESEARCH PUBLICATIONS

Papers Published In International Journals & National Journals

1. V. Vanitha, **N. Latha**, Effect of combined magnetic nano particle and Mannich base in phenolic wastewater treatment, European Journal of Molecular & Clinical Medicine (EJMCM) Volume 10, Issue 01, Jan' 2023, Pages 1150-1157, ISSN: 2515-8260
2. V.Vanitha, **N.Latha** and A.Pandiarajan, Treatment for the Effective Removal of Heavy metals form the Tannery Effluents by using Fly Ash from Thermal Power Plant, Vol.12, Indian Journal of Natural Sciences, (**IJONS**), Issue 66, Page No. 32015-32021, June 2021
3. Murugesan Gowri, **Nachimuthu Latha**, Kannan Suganya, Marudhamuthu Murugan & Mariappan Rajan (2021) Calcium alginate nanoparticle crosslinked phosphorylated polyallylamine to the controlled release of clindamycin for osteomyelitis treatment, **Drug Development and Industrial Pharmacy**, 2021, VOL. 47, NO. 2, 280–291, <https://doi.org/10.1080/03639045.2021.1879835>, (Taylor & Francis) [Published online: 01 Feb 2021].
4. Murugesan Gowri, **Nachimuthu Latha**, Kannan Suganya, Sadasivuni Kishor Kumar, Tahani Awad Alahmadi, Sulaiman Ali Alharbi, Marudhamuthu Murugan, Mariappan Rajan, Amoxicillin loaded Nickel functionalized polymeric bentonite carrier for enhanced therapeutic activity, **Journal of Polymer Research** (2020) 27:364, Pages 1-12, <https://doi.org/10.1007/s10965-020-02340-w>, [Published online: 11th November 2020, (Springer)] © The Polymer Society, Taipei 2020

5. Selvaraju Anidha, **Nachimuthu Latha** and Manickam Muthukkumar, Effect of polyaramid reinforced with sisal epoxy composites: Tensile, impact, flexural and morphological properties, *Journal of Materials Research and Technology*, Volume 9, Issue 4, July–August **2020**, Pages 7947-7954 ISSN: **2238-7854**, <https://doi.org/10.1016/j.jmrt.2020.04.081> (Elsevier)
6. Selvaraju Anidha, **Nachimuthu Latha** and Manickam Muthukkumar, Dynamic mechanical and fracture morphology of Kevlar fibre filled groundnut reinforced epoxy composites, *Materials Testing*, Volume 61 , Issue 9, September **2019**, Pages 915-920, ISSN 0025-5300 DOI 10.3139/120.111401 (Carl Hanser Verlag, Munchen)
7. Murugesan Gowri, **Nachimuthu Latha** and Mariappan Rajan, Copper Oxide Nanoparticles Synthesized using *Eupatorium odoratum*, *Acanthospermum hispidum* Leaf extracts, and its Antibacterial Effects Against Pathogens: a Comparative Study. Volume 9 Number 3 , September **2019**, Pages 545-552. DOI 10.1007/s12668-019-00655-7 (Springer US)
8. Selvaraju Anidha, **Nachimuthu Latha** and Manickam Muthukkumar, Reinforcement of Aramid fiber with bagasse epoxy bio-degradable composite: investigations on mechanical properties and surface morphology, *Journal of Materials Research and Technology*, May-June **2019**, Vol.8, issue. 3, Page No. 3198-3212, ISSN: 2238-7854, (Elsevier).
9. Murugesan Gowri, Kannan Suganya, **Nachimuthu Latha**, Marudhamuthu Murugan, Mukhtar Ahmed, Abdullah A. Alarfajd and Mariappan Rajan, Metal oxide nanoparticle-functionalized sebacic acid-grafted PHEAM nanocarriers for enriched activity of metronidazole against food borne bacteria: in vitro and in vivo study, *Royal Society of Chemistry, New J. Chem.*, **2018**, Vol. 42, Page No.18437—18447 (RSC)
10. Gowri Murugesan, **Nachimuthu Latha**, Kannan Suganya, Marudhamuthu Murugan, Murugan A. Munusamy, Mariappan Rajan, Stimulus-responsive zinc oxide-functionalized macromolecular humic acid nanocarrier for enhancement of antibacterial activity of ciprofloxacin hydrochloride, *International Journal of Biological Macromolecules* 114 (**2018**) 1109–1116 (Elseiver).
11. C. Gopalakrishnan, K.Kandasamy, **N.Latha**, A.Pandiarajan, M.S.Dheenadayalan Velvet Mesquite carbon and commercial activated carbon in removal of manganese (II) ions from aqueous solutions, *International Journal of Research analytical Reviews*, Vol.5, Issue. 4, P.No. 170u-173u, Dec **2018**.
12. S.Parvathi, **N.Latha**, ICT and Rural Women Empowerment – A Study, *Emperor International Journal of finance and Management Research*, (**2016**) Vol . 2 Page No. 232-237 ISSN : 2395-5929
13. **N.Latha** and M.Gowri, Bio Synthesis and Characterisation of Fe₃O₄ Nanoparticles Using *Caricaya Papaya* Leaves Extract, *International Journal of Science & Research*, Vol.3, **2014**, Page No.2319-7064.

14. **N.Latha**, V.Raj, M.Selvam, Effect of plating time on nanocrystalline Ni-P from sulphate/glycine bath by electroless deposition method, *Bulletin of Material Science*. Vol. 36, No. 4, August **2013**, pp. 719–727.
15. C. Ramesh, K. Mohan Kumar, **N. Latha** and V. Ragunathan, Green Synthesis of Cr₂O₃ Nanoparticles Using Tridax procumbens Leaf Extract and its Antibacterial Activity on Escherichia coli, *Current Nanoscience*, 8 (4), (**2012**), 603-607.
16. **N. Latha**, V.Raj, Structural and Corrosion behavior of nanocrystalline Ni-P deposits on aluminium with heat treatment, *International Journal of Chemistry and Application*, 4 (2), (2012), 77-84.
17. **N.Latha**, V.Raj, M.Selvam, P.Manisankar, Synthesis and Characterization of Electroless Nanocrystalline Ni-P on Aluminium, *International Journal of Chemical Sciences*, 10(1), (**2012**), 479-489.
18. **N. Latha**, V.Raj, Bath Optimization and Corrosion Study of Ni-P on Zincated Aluminium from Glycine Bath, *Asian Journal of Research in Chemistry*. 4(12), (**2011**), 1898-1904.

PAPERS PUBLISHED IN PROCEEDING OF THE BOOK:

1. V.Raj and **N.Latha**, Development of Alumina Nano Filters for Environmental Separations, Proceedings of National Conference on Environmental Conservation (NCEC-2006), 33-37, Sep. 2006
2. **N.Latha** and V.Raj, Zinc oxides as corrosion inhibitors for corrosion of mild steel in sodium chloride solution, Thirteenth National Congress on corrosion control (NCCI), 12-14, Oct. 2006.
3. **N.Latha**, J.Anuradha and M.Gowri, Green Synthesis and Characterisation of MnO₂ Nanoparticles using Croton Sparsiflorus Morong Leaves Extract and their antibacterial Study, *Frontier Areas in Chemical Technologies-2017, (FACTs-2017) Volume-II*, 129-130, July 2017
4. **N.Latha**, M.Gowri and R.Velu, Synthesis and surface investigation of Cu-doped ZnO nanoparticles using CTAB: Comparative study with Pre and Post heat treatment, *Seminar Proceeding Third National Seminar on Advanced Oxidation Processes (AOP'2017)*, 17-19, Dec.2017

PAPERS PRESENTED IN SEMINARS, CONFERENCES AND SYMPOSIA

(I) NATIONAL:

1. **N.Latha**, S.Sriman Narayanan, "Paraffin-Mercurous chloride Nanocomposite electrode for multi component analysis", Seminar on Recent Advances in Nano Science and Technology, Periyar University, Salem, Sep. 2005.
2. **N.Latha**, V.Raj, "Synthesis of Nanocrystalline SnO₂ metal oxides for biotechnology Applications", Seminar on Human Perspectives of Biotechnology, Mahendra Arts and Science College, Kalipatti, Feb. 2006
3. **N.Latha**, V.Raj, "A novel gel method for the synthesis of Nanocrystalline SnO₂ powder" National Conferences on Recent Advances in Material Science, Periyar University, Salem, Feb. 2006
4. V. Raj, **N. Latha** and S. Ramachandran, "Synthesis of nanocrystalline nickel by chemical deposition", New Trends in NanoChemistry, Sacred Heart College, Tirupattur, Aug. 2006.
5. V.Raj, **N.Latha**, Development of alumina nanofilters for environmental separations, National Conference on Environmental Conservation, BITS-Pilani, Sep. 2006
6. **N.Latha**, V.Raj, Zinc oxides as corrosion inhibitors for corrosion of mild steel in sodium chloride solution, Thirteenth National Congress on Corrosion Control, Mangalore, Oct. 2006
7. V.Raj, **N.Latha** and P.Manisankar, Surface characteristics and corrosion behaviour of nickel formed by electroless deposition. National Conference on Recent Advances in Chemistry, Periyar University, Salem, March 2007.
8. **N.Latha**, V.Raj and P.Manisankar, Influence of trisodium citrate on electroless deposition of nickel on aluminium. National Seminar on Recent Advances in Textile and Electrochemical Sciences, Alagappa University, Karaikudi, June 2007.
9. **N.Latha**, V.Raj, Role of glycine on the formation and properties of nickel deposits on aluminium by electroless plating, National Convention of Electrochemists, Indira Gandhi Centre for Atomic Research, Kalpakkam, Dec. 2007
10. **N.Latha**, V.Raj Surface structural and morphological features of electroless deposited Ni-P on aluminium, National Conference on Advances in Surface and Interface Analysis, Periyar University, Salem, Dec. 2007
11. **N.Latha**, M.Selvam, V.Raj, Electroless deposition of nanocrystalline Ni-P on anodized Aluminium, National Conference on Recent Advances in Metallo Organic Chemistry, Periyar University, Salem, Oct. 2008.

12. **N.Latha**, V.Raj, M.Selvam, P.Manisankar, Electroless deposition of nanocrystalline Ni-P on aluminium, Ninth Seminar On Tamil Science Congress, Alagappa University, Karaikudi, Sep. 2009.
13. **N.Latha**, V.Raj, M.Selvam, P.Manisankar, Study of Ni-P deposition on aluminium by electroless method, National Seminar on New Frontiers in Chemistry, Annamalai University, Chidambaram, Mar.2010
14. **N.Latha**, V.Raj, Effect of plating time on NC-Ni-P from sulphate/trisodium citrate bath by electroless deposition, Twelfth Seminar On Tamil Science Congress, Periyar University, Salem, Aug. 2012.
15. **N.Latha**, M.Gowri, Biosynthesis and characterization of Fe₃O₄ nanoparticles using Caricaya papaya leaves extract, National Conference on Advancement in Material Science, Coimbatore Institute of Technology, Coimbatore, 26th & 27th Sep. 2014
16. **N.Latha**, V.Prabavathi and M.Gowri, Green synthesis, characterization and antibacterial activities of Fe₃O₄ nanoparticles using cocos nucifera leaves extract, National Seminar on Advanced Nanomaterials for Functional Applications, (**SANFA-2015**), Kandaswami Kandar's College, Velur. 12th & 13th **March** 2015
17. **N.Latha**, S.Karthik and K.Sathishkumar, Green synthesis of Copper nanoparticles using achyranthes aspera leaves extract, National Seminar on Advanced Nanomaterials for Functional Applications, (**SANFA-2015**), Kandaswami Kandar's College, Velur, 12th & 13th **March** 2015.
18. **N.Latha** and R.Nallusamy, Green synthesis of nickel nanoparticles using Martynia annua leaves extract, National Seminar on Advanced Nanomaterials for Functional Applications, Kandaswami Kandar's College, Velur. (**SANFA-2015**) 12th & 13th **March** 2015.
19. S.Parvathi and **N.Latha**, ICT and Rural Women Empowerment- A Study, **National Seminar on ICT in Rural Areas: Building the knowledge Society at Grossroot Level**, Kandaswami Kandar's College, Velur, 23rd & 24th, June 2016. Emperor international journal of Finance and Management research [EIJFMR] **ISSN:2395-5929**
20. S.Anidha and **N.Latha**, Synthesis, Characterization and Properties of Biopolimeric Composite From Natural Fibre Materials, **National Conference on "Research Advances in Materials Science and Applications"**, (**RAMSA '16**), Department of Chemistry, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli, 19th & 20th, Aug 2016.
21. K.Sathishkumar, **N.Latha** and R.Leelavathi, Green Synthesis of Copper Oxide Nanoparticle and Nanocomposite Using Canna Indica and Its Comparitive Characterisation, **National Conference on "Research Advances in Materials Science and Applications"**, (**RAMSA '16**), Department of Chemistry, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli, 19th & 20th, Aug 2016.

22. S.Anidha and **N.Latha**, Synthesis of Kevlar from para-phenylene diamine with terephthaloyl chloride: corrosion in glycol units, National conference on Chemistry of Heterogeneous emerging materials, 19th August **2016**, E.R.K Arts and Science College, Erumiyampatti, Dharmapuri.
23. **N.Latha**, M.Gowri and R.Velu, Synthesis and surface investigation of Cu-doped ZnO nanoparticles using CTAB: Comparative study with Pre and Post heat treatment, Seminar Proceeding Third National Seminar on Advanced Oxidation Processes Department of Chemistry, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli, 17th -19th December, 2017. **ISBN: 978-93-87360-05-1**
24. M.Gowri , **N.Latha** and M.Rajan, One day National Conference on Recent Trends and Advances in Greener synthesis (RTAGS-19), Synthesis of calcium alginate functionalised phosphorylated polyallylamine nanocarrier. SNS College of Technology, Coimbatore, 25th Jan.2019.
25. S.Anidha, **N.Latha** National conference on Transition Metal based Sodium Ion batteries (SIBs) for ultrafast energy storage systems (NCTMSIB'19), Reinforcement of Aramid fibre applications of proton conductivity studies, N.G.P. Institute of Technology, 13th Nov. 2019, Coimbatore. **ISBN NO. 9-789388-413718.**
26. K. Sathishkumar and **N. Latha**, Phytochemical Analysis Of Moringa Oleifera Leaves Extract Prepared From Various Solvents, National Conference on Recent Innovations in Biomolecules and Spectroscopy (NCRIBS – 2022) ISBN 978-93-95423-10-6, Kandaswami Kandar's College, Velur, Namakkal, 4th November, 2022.
27. K. Sathishkumar and **N. Latha**, Synthesis and UV-Visible spectral Study Of Silver Nanoparticle From Different Solvent Extracts of Moringa Oleifera leaves And Its Antioxidant Property, National Conference on Recent Innovations in Biomolecules and Spectroscopy (NCRIBS – 2022) ISBN 978-93-95423-10-6, Kandaswami Kandar's College, Velur, Namakkal. 4th November, 2022.
28. R. Pazhaniraja, **N.Latha** Quantum Computational Techniques On Pharmaceutical Compound, National Conference on Recent Innovations in Biomolecules and Spectroscopy (NCRIBS – 2022) ISBN 978-93-95423-10-6, Kandaswami Kandar's College, Velur, Namakkal, 4th November, 2022.
29. Dr.S.Parvathi, Dr.M.Krishnaraj, Dr.K.Saravanan, **Dr.N.Latha**, B.Kavitha, Higher Education for women in India: Perspectives and Challenges, XXXII AIFUCTO National Academic Conference on “75 Years of Independence: State of Higher Education in India”, Kurukshetra (Haryana), 17- 19th March 2023, Haryana College Teachers Association (HCTA) in association with Haryana Federation of University and College Teachers Organisations (HFUCTO).

30. R. Pazhaniraja, Dr.N.Latha, S.Muthukumaran, M.Maheswari, S.Jayapriya, S.Nishanthi, A study of quantitative and qualitative analysis of ground water resources, National Conference on Advanced Materials and Radiation Physics – (APRP-2023), Valliammai Women's College of Arts & Science, Vilupuram, 18th March 2023.

(II) PAPERS PRESENTED IN INTERNATIONAL CONFERENCES-23

1. V.Raj, **N.Latha** “Synthesis of nanocrystalline nickel by electroless deposition” International Conference on NanoScience and NanoTechnology, University of Madras, Chennai, Aug. 2006.
2. V.Raj, **N.Latha**, Electroless deposition of copper for nanoelectronic applications”. International Conference on Nanomaterial and its Applications, Tiruchirappalli, Feb. 2007.
3. **N.Latha**, V.Raj, M.Selvam, P.Manisankar, Synthesis and surface characteristics of nanocrystalline Ni-P coatings, International Conference on Advancement of Nanoscience and Nanotechnology, Alagappa University, Karaikudi, Mar. 2010.
4. **N.Latha**, V.Raj, P.Manisankar, Corrosion and structural studies of electroless NC-Ni-P deposits from sodium acetate bath with heat treatment, **International Conference on Recent Advances in Textile and Electrochemical Sciences**, Alagappa University, Karaikudi, Mar. 2013.
5. **N.Latha** and M.Gowri, Optimization and Characterization Studies of Copper oxide Nanoparticles from Euphorium Odoratum Leaves Extract, **International Conference on Biodiversity and Bioactive Natural Products for Human Welfare-2016**, Government Arts College (Autonomous), Karur 10th – 12th Feb 2016 (**Best Paper Presentation award received by Research Scholar**).
6. **N.Latha** and M.Gowri, Synthesis and Surface Characterisation of electroless Copper nanoparticles from Acanthospermum hispidum leaves extract, **International Conference on Biodiversity and Bioactive natural Products for Human Welfare-2016**, Government Arts College (Autonomous), Karur 10th – 12th Feb 2016.
7. **N.Latha**, M.Gowri, K.Sathishkumar and S.Jayalakshmi, Synthesis and Surface Characterization of Electroless Silver Nanoparticles from Artemisia Pallens Leaves Extract, **International Conference on Energy, Environment and Engineering ICEEE-2016**, Coimbatore Institute of Technology (CIT) Coimbatore, 29th Feb. & 1st and 2nd March 2016.
8. S.Anidha and **N.Latha**, Composite integrated material of natural fiber with Kelvar material and the specification test result, **International Conference SISOMETS IN GE16 (Smart India Synergies and Opportunities In Management, Engineering, Technology and Science In The Globalized Era-2016)**, Selvam College of Technology, Namakkal, 11th Mar. 2016.

9. **N.Latha**, M.Gowri, K.Sathishkumar, D.Sumathi, Formation and Characterisation of Electroless Silver Nanoparticles on Aluminium from *Solanum Melongena* Leaves Extract, International Conference on “**Frontier Areas in Chemical Technologies – 2016 (FACTS- 2016)**”, Alagappa University, Karaikudi, 21st to 23rd March 2016. (ISBN:978-81-928690-7- 0)
10. S.Anidha and **N.Latha**, Synthesis Characterisation Of Kevlar; Corrosion Inhibitor For Concrete, **International conference on Chemical and Environmental Research (ICCER-2017)**, Jamal Mohammed College, Trichy, 07th Jan. 2017.
11. **N.Latha**, K.Sathishkumar and M.Gowri, Biosynthesis and Characterization of Ag-Cu Alloy Nanoparticles, **International symposium on Bioscience Research for Present and Future (BIOMILLENNIUM’ 17)**, Vivekanandha College of Arts and Sciences for Women & College of Engineering for Women – Tiruchengode, 7th & 8th Mar 2017 (ISBN:978-93-84314-88-0).
12. **N.Latha**, J.Anuradha and M.Gowri, Green Synthesis and Characterisation of MnO₂ Nanoparticles using *Croton Sparsiflorus Morong* Leaves Extract and their antibacterial Study, **Frontier Areas in Chemical Technologies-2017, (FACTs-2017)**, Department of Industrial Chemistry, Alagappa University, Karaikudi, 06th July to 08th 2017. (ISBN:978-81-928690-7-0)
13. M.Gowri and **N.Latha**, Synthesis and Characterisation of CuO nanoparticles from Randia Dumatorium leaves extract, **3rd International Conference on Advances in Biotechnology, Civil & Mechanical Science (ICABCMS 2017)**, Selvam College of Technology, 17th & 18th Mar. 2017
14. M.Gowri and **N.Latha**, Green synthesis and Characterization of CuO Nanoparticles from Acanthospermum Hispidum Leaves Extract, **International Conference on Advances in Materials (AIM 2017)**, M.Kumarasamy College of Engineering- Thalavapalayam, Karur, 7th April 2017
15. **N.Latha**, M.Gowri and C.Singaravelu, Synthesis and Study of Magnesium Oxide Nanoparticles using Tithonia diversifolia leaves Extract, **Two day International Conference on Current Trends in life Sciences: Medicinal plants and its Therapeutics**, Kandaswami Kandar’s College, Velur in association with Kongu College of Arts and Science, Karur ,7th and 8th August 2018.
16. M.Gowri, **N.Latha** and M.Rajan, Zinc Oxide functionalized Humic acid Nano carrier for Drug delivery applications, **Two day International Conference on Current Trends**

in life Sciences: Medicinal plants and its Therapeutics, Kandaswami Kandar's College, Velur in association with Kongu College of Arts and Science, karur, 7th and 8th August 2018.

17. **N.Latha** and M.Rinika, Green Synthesis and Structural Characterisation of aluminium oxide nanoparticle using Tecoma Stans Leaves Extract, **2nd International Conference on Recent Trends in Applied Science and Technology (ICRTAST-2018)**, Periyar University, Salem, Tamil Nadu, India in association with Indian Science and Technology Association [Elavenil], 23-25, August 2018.
18. **N. Latha** and R.Pazhaniraja, **4th International conference on Chemical and Environmental Research**, A study of Physico Chemical Analysis of Ground water Pollution in SIPCOT Area at Cuddalore District, TamilNadu, India, Jamal Mohamed College, Tiruchirappalli, 19th Dec 2018.
19. **N.Latha**, R.Devarajan, M.Gowri, Green Synthesis and Characterisation of ZnO nanoparticles using Muntingia calabura leaves extract. Madurai Kamaraj University, Madurai. **International Conference on Nanomedicine (ICON-2019)**, 25th and 26th February 2019.
20. M.Gowri , **N.Latha** and M.Rajan, The Role of Amoxicillin clay based hybrid material, International Conference on Nanomedicine (ICON-2019), Madurai Kamaraj University, Madurai. 25th and 26th February 2019
21. C.Gopalakrishnan, V.Vanitha, **N.Latha**, A.Pandia rajan, M.S.Dheenadayalan **International Conference on Nanomedicine (ICON-2019)**, Synthesis of silver nanoparticle using leaf extort of “sansevieriatrifascita” and application of waste water treatment, Madurai Kamaraj University, Madurai. 25th and 26th February 2019.
22. **N.Latha** and D.Dhananjayan, Bio-Fabrication, Structural Characterization and Applications of MnO₂ & Mn₂O₃, nanoparticles from Abutilon Indicum leaves extract, **International Conference on Advanced Materials and Their Applications (ICAMA)-2019**, V.O. Chidambaram College, Thoothukudi, 13th Dec. 2019 (ISBN: 978-93-5396-091-9)
23. S.Anidha and **N.Latha**, Kinetics investigation on Sisal/bagasse/groundnut polymer composite thermal Degradation, **International Conference on chemical and Environmental research (ICCER-2020)** Jamal Mohamed College, 8th January 2020, Tiruchirappalli.

CONFERENCE, SEMINAR, AND WORKSHOP ORGANIZED

1. **Organizing secretary**- DST Sponsored National Seminar on Advanced Nanomaterials for Functional Applications (**SANFA-2015**), Kandaswami Kandar's College, Velur. 12th & 13th, March 2015 (Amount Rs.50,000)

2. **Outreach Programme- Coordinator** –IISER-TVM sponsored One day Science Workshop by Indian Institute of Science Education and Research -Thiruvananthapuram (**IISER-TVM**), Kandaswami Kandar's College Velur, Tamil Nadu 24th Aug. 2016 (Amount:Rs.15,000).
3. **Organising committee member** in 160th Birth Anniversary of Acharya Prafulla Chandra Ray- International conference on Recent Advances in Chemistry and Material Science” (RACMS-2021), Young Scientist Conclave-2021 (YSC-2021), Student Science Meet – (SSM-2021), **Indian Chemical Society**, Kolkatta, Online Mode, 01-03, 07-08 Aug 2021.
4. **Convener and Co-ordinator** -Virtual Seminar on Climate Change-Issues & Challenges, organized by Reading Club, Kandaswami Kandar's College, Velur-Namakkal-638 182 on 23.11.2021
4. **Organising Secreatry** - NATIONAL WEBINAR ON “ENTREPRENEURIAL STIMULATION FOR YOUTH” jointly organized by the Department of Chemistry, Kandaswami Kandar's College, Velur-Namakkal-638182 & **Indian Chemical Society (ICS)**, Tamil Nadu Branch- 23.04.2022

SEMINARS/ CONFERENCES PARTICIPATED

1. Seminar on Recent Advances in Nano Science and Technology, Periyar University, Salem, 29th & 30th Sep. 2005.
2. Seminar on Human Perspectives of Biotechnology, Mahendra Arts and Science College, Kalipatti, 11th and 12th Feb. 2006
3. National Conferences on Recent Advances in Material Science, Periyar University, Salem, 16th & 17th Feb. 2006
4. Thirteenth National Convention of Electrochemists, CECRI, Karaikudi, 5th to 6th May 2006
5. National level Seminar on New Trends in NanoChemistry, Sacred Heart College, Tirupattur, 25th and 26th Aug. 2006.
6. International Conference on NanoScience and NanoTechnology, University of Madras, Chennai, 26th -28th Aug. 2006.
7. National Conference on Environmental Conservation, (NCEC-2006) BITS-Pilani, 1st to 3rd Sep. 2006

8. Thirteenth National Congress on Corrosion Control, NCCI, Karaikudi & CECRI, Karaikudi & NITK, Surathkal, Mangalore, 12th to 14th Oct. 2006
9. International Conference on Nanomaterial and its Applications, Tiruchirappalli, 4th – 6th Feb. 2007
10. National Conference on Recent Advances in Chemistry, Periyar University, Salem, 1st to 2nd March 2007.
11. National Seminar on Recent Advances in Textile and Electrochemical Sciences, (RATES-2007) Alagappa University, Karaikudi, 1st & 2nd June 2007.
12. National Convention of Electrochemists, (NCE-14), Indira Gandhi Centre for Atomic Research, Kalpakkam, 6th & 7th Dec. 2007
13. National Conference on Advances in Surface and Interface Analysis, (ASIA-2007) Periyar University, Salem, 13th & 14th Dec. 2007
14. National Conference on Recent Advances in Metalloorganic Chemistry, Periyar University, Salem, 16th & 17th Oct. 2008.
15. Ninth Seminar On Tamil Science Congress, Alagappa University, Karaikudi, 11th to 13th Sep. 2009
16. International Conference on Advancement of Nanoscience and Nanotechnology, Alagappa University, Karaikudi, 1st to 3rd Mar. 2010.
17. National Seminar on New Frontiers in Chemistry, Annamalai University, Chidambaram, 15th & 16th Mar. 2010
18. Twelfth Seminar On Tamil Science Congress, Periyar University, Salem, 23rd to 25th Aug. 2012.
19. National Conference on Recent Advances in Surface Science (RASS-2013), Gandhigram Rural Institute-Deemed University, Gandhigram, 14th to 15th Feb. 2013.
20. International Conference on Recent Advances in Textile and Electrochemical Sciences, Alagappa University, Karaikudi, 21st to 23rd Mar. 2013.
21. National Conference on Advancement in Material Science, Coimbatore Institute of Technology, Coimbatore, 26th & 27th Sep. 2014
22. National Seminar on Advanced Nanomaterials for Functional Applications, (SANFA-2015), Kandaswami Kandar's College, Velur. 12th & 13th March 2015

23. Seminar on “Recent Advances in Chemistry” Department of Chemistry, Kandaswami Kandar’s College, Velur. 13th & 14th Aug 2015
24. International Conference on Biodiversity and Bioactive natural Products for Human Welfare-2016, Government Arts College (Autonomous), Karur 10th – 12th Feb 2016 (BEST PAPER)
25. International Conference on “Frontier Areas in Chemical Technologies -2016 (FACTS-2016) 21st to 23rd March 2016
26. National Seminar on ICT in Rural Areas: Building the knowledge Society at Grossroot Level, Kandaswami Kandar’s College, Velur, 23rd & 24th, June 2016.
27. National Conference on “Research Advances in Materials Science and Applications”, (RAMSA’16), Department of Chemistry, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli, 19th & 20th, Aug 2016.
28. National Seminar on The Art of Thesis writing and Research Publication (ATWARP-2017), PG & Research Department of Botany, Government Arts College (Autonomous), Karur, India, 06th Jan. 2017
29. Seminar on Recent Research Trends in Chemistry-2017 PG & Research Department of Chemistry, Thiruvalluvar Government Arts College, Rasipuram, 10th Feb 2017.
30. Frontier Areas in Chemical Technologies-2017, (FACTs-2017), Department of Industrial Chemistry, Alagappa University, Karaikudi, 06th July to 08th 2017.
31. One day International Seminar on Current Trends in Life Sciences: “The impact of Environmental Pollution On Diseases and Drug Resistance, Department of Zoology, Kandaswami Kandar’s College, Velur, 13th October 2017
32. Two day International Conference on Current Trends in life Sciences: Medicinal plants and its Therapeutics, Kandaswami Kandar’s College, Velur in association with Kongu College of Arts and Science, Karur, 7th and 8th August 2018
33. 2nd International Conference on Recent Trends in Applied Science and Technology (ICRTAST-2018), Periyar University, Salem, Tamil Nadu, India in association with Indian Science and Technology Association [Elavenil], 23-25, August 2018.
34. International Conference on Nanomedicine (ICON-2019), Madurai Kamaraj University, Madurai. 25th and 26th February 2019.
35. National Seminar on “Impact of Farm Pond on Agricultural Development, PG & Research Department of Economics, Kandaswami Kandar’s College, Velur”, 17th and 18th October 2019.
36. International Conference on Advanced Materials and Their Applications (ICAMA)-2019

V.O. Chidambaram College, Thoothukudi, 13th Dec. 2019.

37. Webinar series and Virtual conference on FOOD FORENSICS: Investigating Food crimes and Frauds, 16, 17th and 23rd May 2020
38. India UK Virtual Conference on Current Innovations and the future of Therapeutic Developments, Centre for Biomaterials Cellular & Molecular Theranostics (CBCMT) at Vellore Institute of Technology, Vellore, India and Swansea University, United Kingdom, 1st - 3rd June 2020.
39. International webinar on Recent Trends in Ethnomedicine (Herbal Medicine 2020, Department of Botany, Kandaswami Kandar's College, Velur (Namakkal), 6th June 2020.
40. National Four-day National webinar (UGC) on Impact of COVID 19 on Educational sector in India and strategies to face the Pandemic, IQAC, K.B.N College (Autonomous), Vijayawada in collaboration with Andhra Pradesh State council of Higher Education (APSCHE), 10-13th June 2020.
41. Celebrating International Day of Yoga-Five Days National Online Webinar on "Role of Yoga in Health Hazards During Covid-19 Pandemic." Department of Yoga Degree College of Physical Education, Shree Hanuman VyayamPrasarak Mandal, Amravati, Maharashtra, 17th to 21st June 2020
42. Two days international webinar on Impact on Covid-19 on Human Resources in Higher Education organized by School of Management Studies, The Gandhigram Rural Institute (Deemed to be University), Gandhigram- 624 302 on 24 and 25th June 2020.(MHRD of India).
43. One Day National Webinar entitled "ICT Enabled Science Education organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMNTT) of MHRD and Telangana Academy of Sciences, Hyderabad on 28th June 2020.
44. International webinar entitled "Basic Science Behind Medical MRI" organised by PG & Research Department of Chemistry, Thiruvalluvar, Government Arts College, Rasipuram 637 401, 29th June 2020.
45. National Conference on Traditional Medicine Systems: their relevance and importance in Health care systems of Today and Tomorrow organised by Transdisciplinary Research center, St. Andrew's College, Gorakhpur, Uttar Pradesh, 2nd & 3rd July 2020 (Sponsored STRIDE- UGC, New Delhi).
46. One Day National Webinar entitled "ICT Enabled Higher Education in India, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMNTT) of MHRD, Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching,

(PMMMNMTT) of MHRD and Sanatan Dharma College, Ambala Cantt (Affiliated to Kurukshetra University, Kurukshetra 13th, July 2020.

47. One Day National Webinar “Unravelling the National Education Policy 2020”, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD, Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi, 9th August 2020.
48. International Webinar on Sustainable Development Goals and the Marginalised During the COVID-19 Pandemic: Rehabilitation Measures and best Practices, Department of Women's Studies, Bharathidasan University, Tiruchirappalli & PG & Research Department of Rehabilitation Science, Holy Cross College (Autonomous), Tiruchirappalli in Association with UGC, 13 & 14th August 2020.
49. International Virtual Conference on ‘Innovations in Chemical Sciences-2020: An International Meet for Quality and Quantity (ICSIMQQ-2020)’ Division of Chemistry, School of Advanced Sciences, Vellore Institute of Technology, 21st & 22nd August 2020.
50. One day international webinar on COVID-19 Pandemic Effect Global Population and Economics organised by PG & Research Department of Botany, KandaswamiKandar's College, Velur- Namakkal, 12th September 2020.
51. National Level Webinar on Pedagogical Innovations of the 21st century, COMPUTER SOCIETY OF INDIA, KANCHEEPURAM CHAPTER, 7th November, 2020.
52. One Day Online National Webinar entitled “Examining India's Examination System” Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD, Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MoE, 25th January 2021.
53. National-AIFUCTO XXXI Statutory Conference, NEP-2020 & the future of Higher Education-Post Covid Scenario, S.V.University, Tirupathi, Andhra Pradesh, 07.01.2022 to 09.01.2022.

WORKSHOP ATTENDED

1. National Workshop on “Advanced Techniques for Corrosion Studies”, Alagappa University, Karaikudi, 5th to 7th Jan. 2006
2. National Workshop on “Emerging Trends in Electrochemical Science and Technology”, Madurai, 17th to 18th March 2006
3. Workshop on “Crystal Growth Methods”, SSN college of Engineering, Kalavakkam, 12th to 13th Aug.2006

4. National Workshop on “Nanomaterials - Synthesis, Characterisation and Applications”, Alagappa University, Karaikudi, 14th -15th Dec. 2006
5. One day workshop on “Modern Strategies of Classroom Instruction”, Kandaswami Kandar’s College, Velur, 13th Aug. 2007
6. Two Days Value Education Workshop On “Vivekananda’s Contribution to Women’s Renaissance”, Periyar University, Salem, 22nd to 23rd, Jan. 2014
7. Science Academies sponsored Two-day Lecture Workshop on “Recent Advances in Materials Chemistry”, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli. 7th to 8th, Mar. 2014
8. Two days Workshop on “Advanced Instrumental Methods For Engineering Materials”, Bannari Amman Institute of Technology, Sathyamangalam, 18th and 19th Oct. 2014
9. Two days Workshop on “Advanced Characterization Techniques”, Periyar University, Salem, 29th & 30th Jan. 2015
10. One day Science Workshop by Indian Institute of Science Education and Research – Thiruvananthapuram, Kandaswami Kandar’s College Velur, Tamil Nadu, 24th Aug. 2016
11. Two Day Workshop on Women Entrepreneurial Skill Development, PG & Research Department of Economics, Kandaswami Kandar’s College, Velur, 24th & 25th Jan. 2018.
12. One day International Workshop on “Emerging Trends in Social Science Research”, Kandaswami Kandar’s College, Velur, 25th & 26th Sept. 2019
13. National Workshop on Herbal Medicine for Entrepreneurship (HERBAL-2020) & Medicinal Plants and their Products-Exhibition, Kandaswami Kandar’s College, Velur, 5th & 6th February-2020
14. State level workshop on Microlevel Analysis of Chemical substances (MACS-2020), Kandaswami Kandar’s College, Velur-638182, Namakkal, 29th February 2020.
15. Two days International Workshop Rejuvenation through YOGA during COVID 19, Department of Physical Education, Dayanand College, Hisar on 1 & 2 June 2020.
16. One Day Online National Workshop “Flipped Learning Approach: A Novel ICT-Empowered Pedagogy for 21st Century Learning Needs”, Government of India, Ministry of Human Resource Development, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the PMMMNMTT of MoE, 26th November 2020.
17. National Workshop on Teaching Learning and Assessment with Moodle LMS (Online

Mode), Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD, Teaching Learning Centre, (Under PMMMNMTT, Department of Higher Education, MHRD, GoI), Coimbatore Institute of Technology, (Government Aided Autonomous Institution), 21 & 22nd November, 2020, 10.00 AM – 04.30 PM.

18. Online workshop on “Hands on Training on Development of e-content (MOODLE) & Educational Video Creation, Under the PMMMNMTT, Department of Higher Education, MHRD, GOI, Teaching Learning Centre, (Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) Scheme, MHRD, GOI, Coimbatore Institute of Technology, 23rd & 24th Jan 2021
19. One Day Online National Workshop entitled “ICT Tools For Chemistry Teachers”, Under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education, Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi, 22nd February 2021.
20. Two days National Level Workshop on E-Content Creation and ICT Tools for Innovative Teaching and Learning, Nehru Institute of Technology, Coimbatore in association with Computer Society of India (CSI), 14 & 15th May 2021

SYMPOSIUM ATTENDED

1. “Annual IIT Madras Chemistry Symposium & The First Mid-Year Meeting of the Chemical Research Society of India”, Madras, 12th to 13th July 2006
2. UGC National Symposium On Higher Education: Issues, Developments, Challenges and Opportunities, IQAC, Sri Saradha College for Women (Autonomous), Salem Feb. 2018.

INVITED TALK

1. **Invited Lecture-** TEQIP-II sponsored National Conference on “Research Advances in Materials Science and Applications”, (RAMSA '16), Invited Talk-III, Synthesis and Characterisation of Nanocrystalline Metals, Department of Chemistry, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli, 19th & 20th, Aug 2016.
2. Resource Person- An Outline Pathway of Chemical Reactions in Organic Chemistry, Muthayammal Memorial College of Arts and Science, Kakkaveri, Namakkal Dt. 4th Feb 2020.

CHAIRPERSON

1. **Chairperson-** TEQIP-II sponsored National Conference on “Research Advances in Materials Science and Applications”, (RAMSA '16), Department of Chemistry, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli, 19th & 20th, Aug 2016.

2. **Chairperson-** One day Science Workshop by Indian Institute of Science Education and Research -Thiruvananthapuram (**IISER-TVM**), jointly organized by IISER-TVM and Kandaswami Kandar's College Velur, Tamil Nadu 24th Aug. 2016

ORIENTATION PROGRAMME ATTENDED

1. UGC-Sponsored Orientation Course, Bharathiar University, Coimbatore, 74th Orientation Course from **Mar. 5th to Apr. 1st 2009**.
2. TNSCST Sponsored Orientation Programme on **“Research Activities in Science for College Teachers”**, Periyar University, Salem **26-27th Mar. 2012**.

REFRESHER COURSE ATTENDED

1. UGC-Sponsored Refresher Course -XII plan Period, Refresher Course in Chemistry, Bharathiar University, Coimbatore, **8th to 28th, May 2012**.
2. UGC-Sponsored Refresher Course in Women's Studies, UGC-Human Resource Development Centre, University of Kerala, Kariavattom, Trivendrum From **01.10.2015 to 21.10.2015**.
3. UGC-Sponsored Refresher Course Refresher Course in Chemistry, UGC-Human Resource Development Centre, Bharathiyar University, Coimbatore. From **04.07.2018 to 24.07.2018**

SHORT TERM COURSE ATTENDED

1. UGC-Sponsored Short term Course in MOOCs, E-Content & Open Educational Resources, UGC-Human Resource Development Centre, Bharathidasan University, **07.01.2020 to 13.01.2020 (Seven days)**

FACULTY DEVELOPMENT PROGRAMME ATTENDED

1. AICTE Sponsored Faculty Development Programme on Current Scenario in Advanced Material Science & Engineering (Nano- Bio 2017) Organised by Department of Chemical Engineering, Coimbatore, Tamil Nadu during 30th October -12th November 2017.
2. TEQIP-III sponsored Emerging Trends in Science and Technology-ETST-2018, Department of Chemistry, Coimbatore, Institute of Technology, Coimbatore 10.12.2018 to 16.12.2018
3. UGC sponsored National FDP on Revised NAAC Accreditation Frame Work : Issues and Challenges, Sri Saradha College for Women, Salem on 27.7.2019

4. One week online Faculty Development Programme on ENTREPRENEURSHIP: RESEARCH, CRITICAL THINKING AND INNOVATION organized by Indian Academic Researchers Association, Tiruchirappalli, Tamil Nadu in association with Entrepreneurship Development Cell, Acharya Institute of Graduate Studies, Bangalore, Karnataka held on 22nd to 28th April 2020.
5. "ONLINE TWO-WEEK FDP On Managing Online Classes and Co-Creating MOOCS 2.0" from 18/05/2020 to 3/06/2020 conducted by TLC, Ramanujan College, University of Delhi under the PMMMNMTT scheme.
6. Executive Development Programme in Hands-On with MS office Essentials, Department of Vocation, Ramanujan College, University of Delhi, 19th July-03rd September 2021.
7. Acme Progen Biotech (India) Private Limited Sponsored One Day Faculty Development Programme (FDP) on Revised NAAC Accreditation Process with Benchmarks Organised by PG & Research Department of Botany, Kandaswami Kandar's College, P.Velur on 24.03.2023.
8. One week online Faculty Development Programme on Modern Teaching, Evaluation and Research Methods organised by UGC Scheme, STRIDE Component-1 Research Capacity Building) Organised by M.S.P. Mandal's Vinayakrao Patil Mahavidayala, Vaijapur, Dist. Aurangabad from June 02 to June 07, 2020.
9. UGC sponsored four day National webinar on Impact of COVID 19 on Educational sector in India and strategies to face the Pandemic organised by IQAC, K.B.N College (Autonomous), Vijayawada in collaboration with Andhra Pradesh State council of Higher Education (APSCHE) from 10-13 th June 2020.
10. Traditional Medicine Systems: their relevance and importance in Health care systems of Today and Tomorrow" organised by Transdisciplinary Research center, St. Andrew's College, Gorakhpur, Uttar Pradesh, 2nd & 3rd July 2020.
11. FDP Webinar Series-III for Faculty, Research Scholars and Students, UGC-STRIDE Component-1 Capacity Building of Young Talent in Transdisciplinary Research for a sustainable Development of Society, Centre for Research & Publications, Holy Cross College (Autonomous), Tiruchirappalli, 13th July – 18th July 2020.
12. One week Online Faculty Development Programme on Entrepreneurship: Research, Critical Thinking and Innovation organised by Indian Academic Researchers Association, Tiruchirappalli, Tamil Nadu, India in Association with Entrepreneurship Development Cell, Acharya Institute of Graduate Studies, Bangalore, 22 to 28 th April 2020.
13. 7- Day Faculty Development Programme on "Institutional Bench Marking of Best Practices" Organised by 10 Premier Institutes of India. Dnyan Prabodhini Mandal's

SHREE MALLIKARJUN & SHRI.CHETAN MANJU DESAI COLLEGE, CANACONA
From 8th June to 14th June, 2020.

14. National Level Five day Faculty Development Program on Sci Lab in Association with IIT-Bombay (Remote Learning Through spoken Tutorial, St.PETER's ENGINEERING COLLEGE, UGC Autonomous Department of Science and Humanities, 15-19 th June, 2020.
15. A two days Online FDP on Project Proposals for Funding Agencies (UGC-STRIDE & ICSSR IMPRESS) PREPARATION AND SUBMISSION PROTOCOL, Patrician College of Arts & Science, Chennai Research Committee, 16.5.2020-17.5.2020.
16. Faculty Development Programme on "Scientific Writing for Journals", Department of Chemistry, Selvamm Arts and Science College, (Autonomous), Namakkal -03, 23.05.2020.
17. 14-days Online Faculty Development Programme on "MATERIALS SCIENCE & NANOTECHNOLOGY (FDP-MSNT-2020)", Department of Chemistry, B.S.Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai-48, 03rd August to 17th August 2020.

TRAINING PROGRAMME ATTENDED

1. Periyar University Library and information and Library network (INFLIBNET) Centre, Ahmedabad jointly organized One Day Training Programme on URKUND: Plagiarism Detection Software at Periyar University, Salem on 09.08.2016.
2. Periyar Univeristy, Salem sponsored Two Day FACULTY TRAINING PROGRAMME-CHEMISTRY, Bharathiyar Arts & Science College for Women, Deviyakurichi, Attur 8th and 9th November 2018

ADDITIONAL RESPONSIBILITIES

- ❖ Deputy Warden in Women's Hostel, Kandaswami Kandar's College (**KKC**), Velur
From: 1.8.2012 to 31.7.2016
- ❖ Physical verification officers of the stocks of the department, KKC, Velur for (2015-17), 2019-21
- ❖ Member, M.Phil & Ph.D., Chemistry Selection committee, KKC, Velur
- ❖ Member Cultural Activity Committee, Kandaswami Kandar's College, Velur (2012-17)
- ❖ Member in Examination cell (From 2017-2021 on words), KKC, Velur
- ❖ Member - Calendar Committee From 2017-2021, KKC, Velur
- ❖ Member-MHRD Innovation Cell 2017 to 2021, KKC, Velur
- ❖ Convener-Reading Club Committee, KKC, Velur (2017 to till date)
- ❖ Mentor of the UG students., Class Co-Ordinator
- ❖ I-Year UG -Chemistry Incharge of the Pudumai Penn Scheme. (2022-23)
- ❖ II-YEAR UG-Chemistry Incharge of the Naan Mudalvan Scheme (2022-23)

Anyother:

1. Women's cell Co-ordinator, Center for Women Studies, Periyar University, Salem. 2014
2. Additional NSS Programme Officer in Kandaswami Kandar's College, NSS Camp at Pilikalpayam 2016-17
3. Delivered a special address on "Functions and Activities of Alumni Association" in the Periyar University Chemistry Alumni Association Meeting held on 02.10.2016 at Department of Chemistry, Periyar University, Salem.
4. Student Extension Activity- Outreach Programme-Delivered a motivational speech talk on Importance of Science and Technology and carrier opportunities in Chemistry for 20.04.2022, Kandaswami Kandar's Boys Higher Secondary School, Velur-Namakkal
5. Diamond Jubilee Celebration- Organising committee member in Science Exhibition-"Future India-Science and Technology" for school students at Kandaswami Kandar's College, Velur on 12.9.2022 to 14.9.2022 .
6. Convener on Kandaswami Kandar's College students Book fair visit at Government Higher Secondary School, Nallipalayam- Namakkal organized by district Administration and Government of Tamil Nadu, Feb 28 to March 10, 2023

PERSONAL INFORMATION:

Date of Birth & Age	:	23 March 1976 & 47
Father's Name	:	Mr.K.Nachimuthu
Mother's Name	:	Mrs.R.Palaniammal
Marital Status	:	Married
Spouse Name	:	P.Vasantharayan B.E
Religion & Community	:	Hindu & BC – Kongu Vellalar
Nationality	:	Indian