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Teaching Experience : 15 Years (since December 2007)

Total Number of Publications: 55

I List of Research Publications (Since December 2007)

1. Kinetic Evidence of a Common Mechanism in the Oxidations of Diethyl Sulfide by Dichromates and Halochromates of Heterocyclic Bases C. KARUNAKARAN, S. KARUTHAPANDIAN, S. SURESH, International Journal of Chemical Kinetics, 2003, 35, 1 - 8.
2. Photooxidation of iodide ion on some semiconductor and non-semiconductor surfaces, Chockalingam Karunakaran, Sambandam Senthilvelan, Swaminathan Karuthapandian, Kaliyaperumal Balaraman, Catalysis Communications 5 (2004) 283–290, **Impact Factor : 3.626.**
3. Inhibition of photooxidation of iron(II) by some semiconductors, C. Karunakaran*, R. Dhanalakshmi, S. Karuthapandian, Journal of Photochemistry and Photobiology A: Chemistry 170 (2005) 233–238, **Impact Factor : 4.291**
4. TiO₂—photocatalyzed oxidation of aniline, C. Karunakaran*, S. Senthilvelan, S. Karuthapandian, Journal of Photochemistry and Photobiology A: Chemistry 172 (2005) 207–213, **Impact Factor : 4.291**
5. Solar photooxidation of aniline on ZnO surfaces, C. Karunakaran, S. Senthilvelan, S. Karuthapandian, Solar Energy Materials & Solar Cells 89 (2005) 391–402, **Impact Factor : 7.267**
6. Solar photooxidation of diphenylamine, C. Karunakaran, S. Karuthapandian, Solar Energy Materials & Solar Cells 90 (2006) 1928–1935 **Impact Factor : 7.267**

7. Light-induced oxidative transformation of diphenylamine on ZrO₂. Synergism by ZnO and ZnS, C. Karunakaran, **S. Karuthapandian** and P. Vinayagamorthy, *Journal of Serbian Chemical Society*, 2015, 80 (11), 1411–1421. **Impact Factor : 0.997**
8. CdO/ZnO nanohybrids: Facile synthesis and morphologically enhanced photocatalytic performance, P. Senthil Kumar, M. Selvakumar, Purabi Bhagabati, B.Bharathi, **S.Karuthapandian***, S.Balakumar, *RSC Advances*, 2014, 4, 32977-32986 (**Impact Factor : 3.289**)
9. Preparation and Characterization of SrO/ Cu₂O for Photocatalytic Oxidation of Diphenylamine under UV Light, P. Senthil Kumar, **S.Karuthapandian***, S.Balakumar, S.Thanikaikarasan, Peggy Alvarez, D. Eapen, *Journal of New Materials for Electrochemical Systems*, 17, 2014, 191-195 (**Impact Factor : 1.0**)
10. V₂O₅-photocatalyzed oxidation of diphenylamine, C.Karunakaran and **S.Karuthapandian**, *Materials Science Forum Vol. 807*, 2015, 81-90. **Impact Factor : 0.33**
11. Enhancement of TiO₂ photocatalyzed organic transformation by ZnO and ZnS. Oxidation of diphenylamine, C.Karunakaran and **S.Karuthapandian**, *Egyptian journal of basic and applied sciences* 2 ,2015, 32-38. **Impact Factor : 0**
12. Photoinduced oxidative transformation of diphenylamine on CeO₂, C. Karunakaran, S. Karuthapandian, *Journal of Taibah University for Science*, 2015, 9, 513–520. **Impact Factor : 0**
13. Oxidation of Diphenyl amine on illuminated Fe₂O₃ Surface, C.Karunakaran and **S.Karuthapandian**, *Indian Journal of Chemistry A*, 54, 2015, 356 – 360. **Impact Factor : 0.729**
14. CdO nanospheres: Facile synthesis and bandgap modification for the superior photocatalytic activity, P. Senthil Kumar · M. Selvakumar · S. Ganesh Babu · **S. Karuthapandian** · Santanu Chattopadhyay, *Materials Letters*, 2015, 151, 45-48. **Impact Factor : 2.437**)
15. ZnO-Photocatalyzed Oxidative Transformation of Diphenylamine. Synergism by TiO₂, V₂O₅, CeO₂ and ZnS, Chockalingam Karunakaran, **Swaminathan Karuthapandian**, *Journal of Mexican Chemical Society*, 2015, 59(2), 99-104. **Impact Factor : 0.7**
16. Novel CuO/Chitosan nanocomposite thin film: Facile hand picking recoverable, efficient and reusable heterogeneous photocatalyst, P. Senthil Kumar, M. Selvakumar, S. Ganesh Babu, Saravana Kumar Jaganathan, **S. Karuthapandian**, Santanu Chattopadhyay, *RSC Advances* 2015, 5, 57493–57501.(**Impact Factor : 3.289**)

17. Photoinduced oxidative transformation of diphenylamine on Al₂O₃ with enhancement by ZnO synergism, C. Karunakaran, S. Karuthapandian, P. Vinayagamoorthy, Karbala International Journal of Modern Science, 2015, 1, 32 – 38. **Impact Factor : 0**
18. The Lavish Yield Synthesis of Sphere Like Structured Silver Nanoparticles by Peperomia dindygulensis Miq Leaf Extract: Antimicrobial and Photocatalytic Application, J. Sherin, P. Senthil Kumar, A. Tamilselvan, S. Karuthapandian, P. Mehalingam, Energy and Environment Focus Vol. 5, pp. 77–82, 2016, **Impact Factor : 0**
19. Controlled Synthesis of Plate Like Structured MoO₃ and Visible Light Induced Degradation of Rhodamine B Dye Solution, K Saravanakumar, P Senthil Kumar, J Vinoth Kumar, **S Karuthapandian**, Robert Philip, V Muthuraj, *Energy and Environment Focus*, 2016, 5, 1–8, **Impact Factor : 0**
20. Light Induced Synthesis of Sr/CdSe Nanocomposite for the Highly Synergistic Photodegradation of Methylene Blue Dye Solution, P Senthil Kumar, **S Karuthapandian**, M Umadevi, A Elangovan, V Muthuraj, *Materials Focus*, 2016, 5, 1-9. **Impact Factor : 0**
21. Synergistic effects of trouble free and 100% recoverable CeO₂/Nylon nanocomposite thin film for the photocatalytic degradation of organic contaminants, P. LathaR. Dhanabackialakshmi P. Senthil Kumar **S. Karuthapandian**, *Separation and Purification Technology*, 2016, 168, 124–133. **Impact Factor : 3.299**
22. Controllable synthesis of SnO₂ photocatalyst with superior photocatalytic activity for the degradation of methylene blue dye solution, K. Prakash, P. Senthil Kumar, S. Pandiaraj, K. Saravanakumar and **S. Karuthapandian**, *Journal Of Experimental Nanoscience*, 2016, 11, 1138-1155. **Impact Factor : 0.971.**
23. Hierarchically Structured CuO/g-C₃N₄ Heterogeneous Semiconductor Photocatalyst with Improved Photocatalytic Activity and Stability, P. Senthil Kumar, S. Sobiya, M. Selvakumar, S. Ganesh Babu, and **S. Karuthapandian**, *Energy and Environment Focus* 2016, 5, 139–149. **Impact Factor : 0**
24. Veteran cupric oxide with new morphology and modified bandgap for superior photocatalytic activity against different kinds of organic contaminants (acidic, azo and triphenylmethane dyes), P. Senthil Kumara, M. Selvakumar, S. Ganesh Babu, **S. Karuthapandian**, *Materials Research Bulletin*, 2016, 83 522–533. **Impact Factor : 2.435**
25. Bandgap-tailored NiO nanospheres: an efficient photocatalyst for the degradation of crystal violet dye solution, Raja Vahini, Puvaneswaran Senthil Kumar, **Swaminathan Karuthapandian**, *Applied Physics. A* (2016) 122:744. **Impact Factor : 1.444.**

26. Green Synthesis of Silver Nanoparticles, Characterization, Screening of Phytochemicals, Assessment of Antioxidant and Antimicrobial Activity Using the Bark Extracts of *Mimusops elengi* L., Srividhya Pattabiraman, Anantharaj Tamilselvan, Swaminathan Karuthapandian, and Palanichamy Mehalingam, *Energy and Environment Focus*, 2016, 5, 200–206. **Impact Factor : 0**
27. Light assisted synthesis of hierarchically structured Cu/CdSnanorods with superior photocatalytic activity, stability and photocatalytic mechanism, P. Senthil Kumar, S. Lakshmi Prabavathi, P. Indurani, **S. Karuthapandian**, V. Muthuraj, *Separation and Purification Technology*, 2017, 172, 192–201. **Impact Factor : 3.299**
28. Plant - Driven to Synthesis of Silver Nanoparticles using *Crataevaveregeliosa* Hook & Frost and its Utility in Detecting Antimicrobial and Antioxidant Assay, A. Tamilselvan, P. Srividhya, **S. Karuthapandian** and P. Mehalingam, *International Journal of Green and Herbal Chemistry*, 2016, 5, 390-402. **Impact Factor : 0.764**
29. Phytomediated Biogenic Synthesis of Silver Nanoparticles using leaf extracts of *hugoniastax* L. and its antioxidant and antimicrobial bio-efficacy, A. Tamilselvan, P. Srividhya, **S. Karuthapandian**, P. Mehalingam, *Energy and Environmen Focus*, 2017, 5, 1-7. **Impact Factor : 0**
30. Bandgap tailored TiO₂ thin films by addition of SiO₂ for enhanced photocatalytic activity against congo red under visible light illumination, M. Sankareswari, R. Vidhya, P. Mallika, I. Rathinamala, S. Karuthapandian, K. Neyvasagam, *Asian Journal of Chemistry*, 2017, 29, 1085 - 1090. **(Impact Factor : 0)**
31. CuO/ZnO nanorods: an affordable efficient p-n heterojunction and morphology dependent photocatalytic activity against organic contaminants, P. Senthil Kumar, M. Selvakumar, S. Ganesh Babu, S. Induja, S. Karuthapandian, *Journal of Alloys and compounds*, 2017, 701, 562 - 573. **(Impact Factor : 5.316)**
32. Dry synthesis of water lily flower like SrO₂/g-C₃N₄ nanohybrids for the visible light induced superior photocatalytic activity, K. Prakash, P. Senthil Kumar, P. Latha, K. Stalin Durai, R. Shanmugam, S. Karuthapandian, *Material Research Bulletin*, 2017, 93, 112 - 122. **(Impact Factor : 4.641)**
33. Synergism of V₂O₅ and ZnS in the photooxidative conversion of diphenylamine on CdO surface, C. Karunakaran, S. Karuthapandian, *European Chemical Bulletin*, 2017, 6, 108 - 112. **(Impact Factor : 0.31)**
34. Enhanced visible light photocatalytic activity of CeO₂/alumina nanocomposite: synthesized via facile mixing-calcination method for dye degradation, P. Latha, K. Prakash, S. Karuthapandian, *Advanced Powder Technology*, 2017, 28, 2903 - 2913. **(Impact Factor : 4.833)**

35. Effective photodegradation of CR & MO dyes by morphologically controlled cerium oxide nanocubes under visible light illumination, P. Latha, K. Prakash, S. Karuthapandian, *Optik*, 2018, 154, 242 - 250. (**Impact Factor : 2.443**)
36. Novel, Facile and Swift Technique for Synthesis of CeO₂ Nanocubes Immobilized on Zeolite for Removal of CR and MO Dye, P. Latha, S. Karuthapandian, *Journal of Cluster Science*, 2017, 28:3265–3280
37. Unique and hierarchially structured novel Co₃O₄/NiO nanosponges with superior photocatalytic activity against organic contaminants, R. Vahini, P. Senthil Kumar, S. Karuthapandian, *Frontiers of Materials Science*, 2017, 11, 375 - 384. (**Impact Factor : 2.765**)
38. Design and fabrication of a novel metal -free SiO₂/g-C₃N₄ nanocomposite: A Robust photocatalyst for the degradation of organic contaminants, K. Prakash, P. Senthil Kumar, P. Latha, K. Saravanakumar, S. Karuthapandian, *Journal of Inorganic and Organometallic Polymers and materials*, 2018, 28(1):1-11 (**Impact Factor : 3.543**)
39. A novel sulphur decorated 1-D MoO₃ nanorods: Facile synthesis and high performance for photocatalytic reduction of hexavalent chromium, S. Lakshmi Prabavatthi, P. Senthil Kumar, K. Saravanakumar, V. Muthuraj, S. Karuthapandian, *Journal of Photochemistry and Photobiology, A: Chemistry*, 2018, 356, 652 - 651. (**Impact Factor : 4.291**)
40. Solar Radiation Catalyzed Aerobic Photooxidation of 1-Naphthol on Some Semiconductors, S. Karuthapandian, K. Arunsunaikumar, *Asian Journal of Science and Applied Technology* ISSN: 2249-0698 Vol. 3 No. 2, 2014, pp.25-32 (**Impact Factor : 0**)
41. Zeolite nanorods decorated g-C₃N₄ nanosheets: a novel platform for the photodegradation of hazardous water contaminants, K. Prakash, P. Senthil Kumar, S. Karuthapandian, *Materials Chemistry and Physics*, 2019, 321, 34 - 46, (**Impact Factor : 4.094**)
42. Facile fabrication of visible light-driven CeO₂/PMMA thin film photocatalyst for degradation of CR and MO dyes, P. Latha, K. Prakash, S. Karuthapandian, *Research on Chemical Intermediates*, 2018, (**Impact Factor : 2.914**)
43. Fruitful fabrication of CDs on GO/g-C₃N₄ sheet layers: A carbon amalgamation, for the remediation of carcinogenic pollutants, K. Prakash, J. Vinothkumar, P. Latha, P. Senthil Kumar, S. Karuthapandian, *Journal of Photochemistry and Photobiology, A: Chemistry*, 2019, 370, 94 - 104, (**Impact Factor : 4.291**)
44. Design of Gd₂O₃ nanorods: a challenging photocatalyst for the degradation of neurotoxicity chloramphenicol drug, Dhanalakshmi, S., P. Senthil Kumar, Karuthapandian, S., Muthuraj, V., Prithivikumaran, N., *Journal of Materials Science: Materials in Electronics*, 2019, 30, pp. 3744–3752 (**Impact Factor : 2.478**)

45. Versatile, metal free and temperature-controlled g-C₃N₄ as a highly efficient and robust photocatalyst for the degradation of organic pollutants, Prakash, K., Senthil Kumar, P., Pandiaraj, S., Karuthapandian, S., *Research on Chemical Intermediates*, 2019, 45(3), pp. 1147–1167 (**Impact Factor : 2.914**)
46. 1D MoO₃ Nanorods Decorated by Palladium Nanoparticles: Surface Plasmon Resonance Promoted Photodegradation of Congo Red Dye, Parvathi, L.T., Karuthapandian, S., *Asian Journal of Chemistry*, 2020, 32(9), pp. 2315–2323 (**Impact Factor : 0**)
47. Mesoporous Gd₂O₃/NiS₂ microspheres: a novel electrode for energy storage applications, Dhanalakshmi, S., Mathi Vathani, A., Muthuraj, V., Prithivikumaran, N., Karuthapandian, S., *Journal of Materials Science: Materials in Electronics*, 2020, 31(4), pp. 3119–3129 (**Impact Factor : 2.478**)
48. Metal-free and stable dye-sensitized polymer matrix for the detoxification of antibiotic drug levofloxacin under visible light illumination, Gayathri, M., Senthil Kumar, P., Santhameenakshi, M., Karuthapandian, S., *Separation Science and Technology (Philadelphia)*, 2021, 56(8), pp. 1466–1474 (**Impact Factor : 2.475**)
49. Fabrication of Novel ZnSeO₃ Anchored on g-C₃N₄ Nanosheets: An Outstanding Photocatalyst for the Mitigation of Pesticides and Pharmaceuticals, M. Santhameenakshi, M. Gayathri, S. Karuthapandian, *Journal of Inorganic and Organometallic Polymers and Materials*, 2020, 30(11), pp. 4664–4676 (**Impact Factor : 3.543**)
50. Construction of Novel Metal-Free Graphene Oxide/Graphitic Carbon Nitride Nanohybrids: A 2D–2D Amalgamation for the Effective Dyeing of Waste Water, Prakash, K., Karuthapandian, S., *Journal of Inorganic and Organometallic Polymers and Materials*, 2021, 31(2), pp. 716–730 (**Impact Factor : 3.543**)
51. Visible-light-driven Pd doped β-Bi₂O₃ nanocomposite: an affordable and an efficient catalyst for mitigation of noxious pollutant, Parvathi, L.T., Arunpandian, M., Arunachalam, S., Karuthapandian, S., *Applied Physics A: Materials Science and Processing*, 2021, 127(7), 535 (**Impact Factor : 2.584**)
52. Rational design of novel 3D flower-like praseodymium molybdate anchored graphitic carbon Nitride: An efficient and sustainable photocatalyst for mitigation of carcinogenic pollutants, Prakash, K., Selvam, V., Babu, S.G., Meena, S., Karuthapandian, S., *Applied Surface Science*, 2021, 569, 151104 (**Impact Factor : 6.707**)
53. Leaf Extract Arbitrated Biogenic Synthesis of Silver Nanospheres by a Medicinal Plant from the Western Ghats with Enhanced Antimicrobial Property, J. Sherin, P. Senthil Kumar, S. Karuthapandian, *Photochem* 2021, 1(2), 264-274 (**Impact Factor : 0**)
54. Visible light–driven photodegradation of Noxious methyl orange dye by Pd @ WO₃ nanocomposite catalysts in aqueous solution, Parvathi, L.T., Arunpandian, M.,

Sivaganesh, D., Nagarajan, E.R., Karuthapandian, S., International Journal of Environmental Analytical Chemistry, 2021 (**Impact Factor : 2.212**)

55. Flower decorated rod-like Pd @ MnO₂ nanocomposite: Focus on photocatalysis, Rietveld refinement analysis and electron density distribution analysis, Parvathi, L.T., Arunpandian, M., Sivaganesh, D., Nagarajan, E.R., Karuthapandian, S. Physica B: Condensed Matter, 2022, 625, 413475.(**Impact Factor : 3.289**)

II No. of Papers Presented in National / International Conferences. Since 2017: 14

1. Phytochemical screening and antimicrobial efficacy of Green synthesized silver nanoparticles from *Neolitsea sericea* (Blume) Koidz, P. Srividhya, S. Karuthapandian, P. Mehalingam, UGC Sponsored National Seminar on Recent Advances in Chemical Research (RACR - 2017) Organized by Department of Chemistry, VHNSN College, Virudhunagar on 24 & 25th January 2017.
2. Graphene oxide - modified electrode for the sensitive electrochemical determination of nonsteroidal prostate cancer drug flutamide in rat brain, kidney and human blood serum samples, P. Alagarsamy, J. Vinothkumar, S. Dhanalkshmi, S. Karuthapandian, UGC Sponsored National Seminar on Recent Advances in Chemical Research (RACR - 2017) Organized by Department of Chemistry, VHNSN College, Virudhunagar on 24 & 25th January 2017.
3. Graphitic C₃N₄ /MWCNTs composite: an efficient photocatalyst for dye degradation of rhodamine B, A. Krishnapandi, K. Prakash, P. Senthil Kumar, S. Karuthapandian, V. Selvam, UGC Sponsored National Seminar on Recent Advances in Chemical Research (RACR - 2017) Organized by Department of Chemistry, VHNSN College, Virudhunagar on 24 & 25th January 2017.
4. Synthesis, characterization of palladium oxide - neodymium oxide nanocomposite - an approach of sonochemical method, L. T. Parvathi, R.Boominathan, S. Karuthapandian,

UGC Sponsored National Seminar on Recent Advances in Chemical Research (RACR - 2017) Organized by Department of Chemistry, VHNSN College, Virudhunagar on 24 & 25th January 2017.

5. Facile sonochemical synthesis of Graphene oxide /g-C₃N₄ nanocomposite with enhanced photocatalytic degradation of organic contaminants, K. Prakash, P. Senthil Kumar, V. Selvam, J. Sherin, S. Karuthapandian, UGC Sponsored National Seminar on Recent Advances in Chemical Research (RACR - 2017) Organized by Department of Chemistry, VHNSN College, Virudhunagar on 24 & 25th January 2017.

6. Green synthesis and antimicrobial effects of aqueous colloidal solutions of AgNPs using leaf extracts of *Aristolochia indica* L. as a reducing and capping agent, A. Tamilselvan, S. Karuthapandian, P. Mehalingam, UGC Sponsored National Seminar on Recent Advances in Chemical Research (RACR - 2017) Organized by Department of Chemistry, VHNSN College, Virudhunagar on 24 & 25th January 2017.

7. Excuse of catalyst role on the photocatalytic activity and process of Yttria nanoparticles in the degradation of Rhodamine - B, R. Vahini, S. Karuthapandian, UGC Sponsored National Seminar on Recent Advances in Chemical Research (RACR - 2017) Organized by Department of Chemistry, VHNSN College, Virudhunagar on 24 & 25th January 2017.

8. Facile synthesis of γ -alumina and a study of its adsorption capability for removal of organic contaminants, P. Latha, S. Karuthapandian, UGC Sponsored National Seminar on Recent Advances in Chemical Research (RACR - 2017) Organized by Department of Chemistry, VHNSN College, Virudhunagar on 24 & 25th January 2017.

9. The visible light - driven photocatalytic degradation of Rhodamine B using Co₃O₄ nanocubes, R. Vahini, S. Karuthapandian, ACT and RSC sponsored one day national

seminar on Recent Advances in Bioinorganic and Medicinal Chemistry (RABAMCHEM -2017) Organized by Department of Chemistry, VHNSN College, Virudhunagar on 15th February 2017.

10. Hydrothermal synthesis of MoS₂ nanorods and its superior photocatalytic activity, S. Dhanalkshmi, P. Alagarsamy, S. Durai Pandi, S. Karuthapandian, V. Muthuraj, ACT and RSC sponsored one day national seminar on Recent Advances in Bioinorganic and Medicinal Chemistry (RABAMCHEM -2017) Organized by Department of Chemistry, VHNSN College, Virudhunagar on 15th February 2017.

11. Hydrothermal synthesis and morphologically enhanced photocatalytic performance of CdSb/ g-C₃N₄ composite under visible light illumination, K. Prakash, S. Karuthapandian, ACT and RSC sponsored one day national seminar on Recent Advances in Bioinorganic and Medicinal Chemistry (RABAMCHEM -2017) Organized by Department of Chemistry, VHNSN College, Virudhunagar on 15th February 2017.

12. Hydrothermal synthesis of novel cobalt tungstate nanospheres as a catalyst for effective degradation and mineralization of Eosin Y, M. Santhameenakshi, M. Gayathri, S. Karuthapandian, International conference on Nanomedicine (ICON - 2019) Organized by School of Chemistry and School of Biotechnology, Madurai Kamaraj University, Madurai on 25 & 26th February 2019.

13. Design of novel samarium titanate nanoparticles - an excellent photocatalyst for degradation of antibiotic drug, M. Gayathri, M. Santhameenakshi, S. Karuthapandian, International conference on Nanomedicine (ICON - 2019) Organized by School of Chemistry and School of Biotechnology, Madurai Kamaraj University, Madurai on 25 & 26th February 2019

14. Photocatalytic performance of biogenic synthesis of silver nanoparticles decorated with *syzygium laeum* (buch.-ham.) gandhi leaves extract using antimicrobial activity, A. Tamilselvan, S. Karuthapandian, P. Mehalingam, International conference on Nanomedicine (ICON - 2019) Organized by School of Chemistry and School of Biotechnology, Madurai Kamaraj University, Madurai on 25 & 26th February 2019

IV List of Ph.D Guided

S. No.	Name	Title of the Thesis	Month & Year of Passing
1.	P. Senthil Kumar	Studies on supported semiconductor nanocomposites for photocatalytic application	10 th May 2017
2.	J. Sherin	Studies on biosynthesis and characterization of silver nanoparticles and their antimicrobial activity	27 th October 2017
3.	P. Latha	Photocatalytic performance of polymer supported nanocomposites thin films	25 th June 2018
4.	R. Vahini	Development of metal oxide based nanohetero structures for photocatalytic applications	11 th September 2018
5.	K. Prakash	Hybrid nanocomposites and its potential applications in photocatalysis	17 th September 2018
6.	A. Tamilselvan	Synthesis, characterization and antimicrobial potential of silver nanoparticles by using selected ethino - Medicinal plants of Pothigai Hills, Tamilnadu (India)	17 th December 2018 (Co - Guide)
7.	S. Dhanalakshmi	Environmental Applications of Chalcogens Incorporated Nanocomposites.	30 th July 2021
8.	L.T. Parvathi	Studies on Synthesis, Characterization and its Photocatalytic Applications of Palladium Based Nanocomposites	03 rd August 2022
9.	M. Gayathri		Ongoing
10.	M. Santhameenakshi		Ongoing

11.	R. Sountharya		Ongoing
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V List of M.Phil Guided (since 2017)

S. No.	Name	Title of the Thesis	Month & Year of Passing
1.	K.Arunsunai Kumar	Photooxidation of 1-naphthol by solar radiation catalyzed by semiconductors	July 2009
2.	G. Meenalosani	Solar radiation catalyzed photooxidation of 2-naphthol on some semiconductors	May 2010
3.	S. Ramalakshmi	UV light assisted photooxidation of 1-naphthol on semiconductors surfaces	June 2011
4.	P. Senthil Kumar	Sol-Gel synthesis, characterization and photocatalytic application of SrO/CuO nanocomposites	July 2012
5.	K.Karnan	Synthesis, Characterization and photocatalytic applications of strontium titanate	July 2013
6.	K.Prakash	SnO ₂ hollow spheres: Facile synthesis and morphology dependent photocatalytic activity	July 2014
7.	R.Dhanabackialakshmi	Synthesis, Characterization and photocatalytic performance of polymer supported cerium oxide nano cubes	August 2015
8.	S.Sobiya	Hierarchically structured g-C ₃ N ₄ based heterogeneous semiconductor photocatalyst with improved photocatalytic activity and stability	August 2015
9.	S. Induja	An affordable efficient p-n heterojunction of CuO/ZnO nanorods for the photocatalytic degradation of organic contaminants	August 2016
10.	T. Veerabahu, Reg. No.: B7810687	Design and structural Evaluation of Nanostructured Transition Metal Selenite (Madurai Kamaraj University evening College)	October 2018
11.	K. Jenitta; Reg. No. 18AMCH001	Rational Design of Novel 3D flower-like Praseodymium Molybdate Anchored Graphitic Carbon Nitride: A Environmentally Sustainable Photocatalytic Performance for the degradation of Methyl Parathion	June 2019

VI List of Research Project completed

S. No.	Title of the project	Name of the funding	Duration	Remarks
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		Agency		
1.	Photooxidation of naphthols by solar radiation catalyzed by semiconductors	UGC - SERO Hyderabad Approved amount= Rs. 1,41,750	2009 - 2011	Minor Research Project
2.	Synthesis, characterization and its environmental catalytic activity of cadmium sulfide and cadmium selenide nanoparticles” – a green chemistry approach.	UGC – New Delhi, Approved amount= Rs. 8,23,000	2013- 2016	Co- Investigator

VII List of Carrier oriented program attended

Orientation/ Refresher	Duration	Place	Grade
UGC., Sponsored Short - Term Course in “Research Methodology”	12.09.2019 to 18.09.2019 04.08.2016	UGC - HRDC, Bharathiyar University, Coimbatore.	A
UGC., Sponsored Short - Term Course in “E-Content Development ”	31.05.2021 to 06.06.2021	UGC - HRDC, Gujarat University,	A
UGC. Sponsored Refresher Course in Chemistry	15.07.2021 to 28.07.2021	Academic Staff College, Pondicherry University	A