


BIO DATA

1.	Name	Dr. P. SIVAKUMAR	
2.	Designation	Associate Professor	
3.	Department	Chemistry	
4.	Date of Birth	21.05.1974	
5.	Date of Retirement	31.05.2034	
6.	Official Address	Department of Chemistry Government Arts and Science College, Komarapalayam, Namakkal – 638183	
7.	Residential Address	54C, Arunachalam Street S.P.Pudur, Namakkal – 637 002	
8.	E-mail id	shivagobi@gmail.com sivakumarp@aagacnkl.edu.in	
9.	Mobile No	9865366488	
10.	Area of Specialization	Surface Chemistry & Catalysis Nanotechnology	

11. Educational Qualifications

S.No	Degree/ Examination Passed	Subject/ Specialization	Board/ University/ Institute	Class	Month & Year of Passing
1.	B.Sc	Chemistry	Gobi Arts College, Gobi	I / 80.08	Apr 1994
2.	M.Sc.	Chemistry	Govt Arts College, Coimbatore	I / 80.80	Apr 1996
3.	M.Phil.,	Chemistry	Annamalai University	--	Dec 2004
4.	Ph.D.,	Science & Humanities	Anna University, Chennai	--	Jan 2010
5.	UGC/CSIR-NET/JRF or SET/GATE	--	--	--	--

12. Teaching and Industry Experience (Recent First)

S.No	Institute/ University	Designation	Period		Length of Service YY/MM
			From	To	(As on Dec 2024)
1.	Govt. Arts and Science College, Komarapalayam	Associate Professor	Dec 2024	Till Date	00/01
2.	Arignar Anna Govt Arts College, Namakkal	Associate Professor	Mar 2023	Nov 2024	01/09
3.	Arignar Anna Govt Arts College, Namakkal	Asst. Professor	Feb 2011	Feb 2023	12/00
4.	Kongu Engg. College, Erode	Asst. Prof (SG)	Aug 2006	Feb 2011	04/06
5.	Erode Sengunthar Engg. College, Erode	Lecturer	Mar 2004	July 2006	03/05
6.	MRF Tyres Ltd, Chennai	QA Supervisor	Aug 1997	Feb 2004	06/07
7.	ABT Dairy Ltd.	QC Chemist	Nov 1996	July 1997	00/09

13. Research Experience

Research	Topic of research	Name of the University
M.Phil.,	Dynamic and Equilibrium Studies of Adsorption of a Textile Dye Using Biomass Based Activated Carbon	Annamalai University
Ph.D.,	Adsorptive Removal of Textile Dyes From Aqueous Solution Using a Non-Conventional Low-cost Adsorbent	Anna University, Chennai
P.D.F.,	--	--

- **Member Board of Research Studies (BORS) Periyar University, Salem from June 2022 to till date.**

14. Research Papers published in National Journals (Recent First)

1.	Kumaravelan V, Murugesan B & Sivakumar P , Magnetic nano carbon balls - Synthesis and adsorption studies, <i>Ind. J. Chem. Technol.</i> , Vol. 29, January, 2022 pp. 23-31.	
2.	A. Loganathan, B. Murugesan, A. Sivakumar and P. Sivakumar , Acid Red 88 Dye degradation by Green synthesized CeO ₂ /RGO Nanohybrid photocatalyst Under Solar Light, <i>Indian J. Environ. Protec.</i> , Vol. 40(5), (2020), pp. 518-526.	
3.	N. Gopal, M. Asaithambi, P. Sivakumar and V. Sivakumar, Continuous fixed bed adsorption studies of Rhodamine-B dye using polymer bound adsorbent, <i>Indian J Chem Technol.</i> , Vol. 23, January 2016, pp. 53-58.	0.513
4.	N. Gopal, M. Asaithambi, P. Sivakumar and V. Sivakumar, (2014) Column Adsorption Studies of a Reactive Dye Using a Novel Polymer Reinforced Adsorbent, <i>Pollut. Res.</i> , 33 (2) 1-7.	--
5.	A.Agalya, P.N.Palanisamy and P.Sivakumar , (2013) "Equilibrium uptake and sorption Dynamics for the removal of Acid Dyes using Euphorbia Tirucalli L wood", <i>Int J Chem.</i> , Vol. 20, pp. 245 – 251.	--
6.	P.Srinivasan, P.Sivakumar and S.Raja (2013), "PVA supported Microporous adsorbents for the remediation of dye house wastewater", <i>J Sci Ind Res.</i> , Vol. 72 pp 193 – 197.	0.628
7.	J.Raffiea Baseri, P.N.Palanisamy and P.Sivakumar , (2012), "Adsorption of basic dyes from textile effluents by the activated carbon prepared from <i>Thevetia Peruviana</i> ", <i>Indian J. Chem. Tech.</i> , Vol. 19, 311-321, 2012.	0.505
8.	P.Thamilarasu, P.Sivakumar and K.Karunakaran, (2011), "Removal of Ni (II) from Aqueous Solutions by Adsorption Onto Cajanus Cajan L Milsp Seed Shell Activated Carbons", <i>Indian J. Chem. Tech.</i> , Vol. 18, pp. 414-420.	0.505
9.	Palanisamy P.N. and Sivakumar P . (2011) "Non-conventional low-cost adsorbent from Euphorbia Antiquorum L for the removal of Direct Blue 53 from its aqueous solution" <i>Indian J. Chem. Tech.</i> , Vol. 18, pp. 188-196.	0.505
10.	Sivakumar P . and Palanisamy P.N. (2009) 'Packed Bed Column Studies for the Removal of Acid Blue 92 and Basic Red 29 using Non-Conventional Adsorbent', <i>Indian J. Chem. Tech.</i> , Vol. 16, pp. 301-307.	0.505
11.	Sivakumar P . and Palanisamy P.N. (2009) "Adsorptive Removal of Reactive and Direct dyes using Non-Conventional Adsorbent – Column Studies", <i>J. Sci. Ind. Res.</i> Vol. 68, pp. 894-899.	0.628
12.	Jambulingam M, Karthikeyan S, Sivakumar P , Kiruthika J. and Maiyalagan T, (2007) "Characteristic Studies of Some activated carbons prepared from agricultural wastes", <i>J. Sci. Ind. Res.</i> , Vol. 66, pp. 495-500.	0.628
		3.904

15. Papers Published in International Journals (Recent First)

	National Journals	3.904
13.	A. Loganathan, N. Sethupathi, B. Murugesan, P. Mahalingam and P. Sivakumar, Effect Of Adsorptive Treatment on the Physico-Chemical Parameters of Cauvery River Water Samples, <i>Afr. J. Biomed. Res.</i> Vol. 27(3s) (2024); 3896-3902.	--

14.	S. Saranya, N. Sethupathi, P. Mahalingam and P. Sivakumar, Characterization and Ambient Temperature Hydrogen Sulfide Sensing of Annealed NiO-MnO ₂ Thin Films Prepared via Jet Nebulizer Spray Pyrolysis, <i>J. Environ. Nanotechnol.</i> , Vol. xx, (2024), pp. xx – xx.	--
15.	R. Siddharthan, P. Mahalingam, P. Sivakumar , A. Loganathan, Nonlinear curve fit analysis for Acid blue 92 removal using functionalized carbon nanotubes, <i>Desalination and Water Treatment</i> , (2022) 1–12.	1.00
16.	P. Ashokan, M. Asaithambi, V. Sivakumar, P. Sivakumar , Adsorptive removal of basic orange 21 dye by an adsorbent prepared from Adenantha paronina L seeds, <i>Rasayan J. Chem.</i> , Vol. 15(3), (2022), pp. 1596-1607.	--
17.	P. Madhu, P. Sivakumar , Rajendran Sribalan and Senthil M. Arumugam, Highly selective and sensitive ‘on-off’ fluorescent chemosensor for Fe ³⁺ ions crafted by benzofuran moiety in both experimental and theoretical methods, <i>Luminescence</i> , (2022)1–9.	2.464
18.	P. Ashokan, M. Asaithambi, V. Sivakumar, P. Sivakumar , Batch and column mode adsorption studies of reactive red 195 dye using Adenantha paronina L seed activated carbon, <i>Groundwater for Sustainable Development.</i> , 15 (2021) 100671.	--
19.	P. Srinivasan, A. John Bosco, R. Kalaivizhi, J. Arockia Selvi and P. Sivakumar , Adsorption isotherm and kinetic study of Direct Orange 102 dyes on TNJ activated carbon, <i>Materials Today: Proceedings</i> , 34 (2021) 389-394.	1.46
20.	A. Loganathan, A. Sivakumar, B. Murugesan and P. Sivakumar , Green Synthesis and Application of Nano CeO ₂ /rGO Solar Active Photocatalyst for the Degradation of Basic Auramine-O Dye, <i>Asian J. Chem.</i> , 32(3) (2020), 0000-0000.	0.49
21.	P. Madhu, P. Sivakumar and Rajendran Sribalan, Benzofuran-β-alaninamide based “turn-on” fluorescent chemosensor for selective recognition of Fe ³⁺ ions, <i>New J. Chem.</i> , 43 (2019), 14426.	3.591
22.	V. Nithya, A. Loganathan, P. Mahalingam and P. Sivakumar , Recent Developments in Metal Based Photocatalysts a review, <i>J. Adv. Sci. Res.</i> , Vol. 10(1), (2019), pp. 04-18.	--
23.	A. Loganathan, A. Sivakumar, B. Murugesan and P. Sivakumar , Solar Light Active CeO ₂ /rGO Hybrid Photocatalyst for Direct Violet 51 Degradation, <i>Rasayan J. Chem.</i> , Vol. 12(4), (2019), pp. 1710-1724.	--
24.	V. Priya, S.K. Krishna, V. Sivakumar, P. Sivakumar , Adsorption of Acid Blue 113 using Nanocarbon Spheres and its Kinetic and Isotherm Studies, <i>Asian J. Chem.</i> , 31(8) (2019), 1653-1660.	0.49
25.	V. Priya, S.K. Krishna, V. Sivakumar, P. Sivakumar , Y/Fe/TiO ₂ co-doped nano carbon composite for the photocatalytic applications, <i>Desalination and Water Treatment</i> , 157 (2019) 157–164.	1.254
26.	P. Madhu, P. Sivakumar , Selective and sensitive detection of Fe ³⁺ ions using quinoline-based fluorescent chemosensor: Experimental and DFT study, <i>J. Mol. Strut.</i> 1193 (2019) 378-385.	3.841
27.	P. Madhu, and P. Sivakumar, Curcumin-based fluorescent chemosensor for selective and efficient detection of picric acid, <i>J. Mol. Strut.</i> , 1185 (2019) 410-415.	3.841
28.	P. Madhu, and P. Sivakumar, A novel pyridine-pyrazole based selective "turn-off" fluorescent chemosensor for Fe(III) ions, <i>J. Photochem. Photobiol. A: Chem.</i> , 371 (2019) 341–348.	5.141

29.	V. Kumaravelan, P. Sivakumar, Fe ₃ O ₄ immobilized magnetic nano carbon balls for the adsorption of methylene blue dye in batch and packed bed column mode, Desalination and Water Treatment , 115 (2018) 288–299.	1.254
30.	V.Priya, S.K.Krishna, V.Sivakumar and P.Sivakumar , Studies on the adsorption of Rhodamine-B using Novel Nano Carbon Balls, Rasayan J. Chem. , Vol. 11(4), (2018), pp. 1663-1673.	--
31.	Sivakumar. P , Sudha. D, Mahalingam. P, Loganathan. A, Synthesis and photocatalytic application of nano La–Ce/TiO ₂ composite catalyst, Desalination and Water Treatment 74, (2017) 354 - 361.	1.254
32.	A Sivakumar, B Murugesan, A Loganathan and P Sivakumar , (2017) Synthesis of ZnO nanowire and ZnO/CeO ₂ solid solution nanowire by bio-morphing and its characterization, J. Taiwan Institute of Chem. Engg. , 78 (2017) 462–470.	5.876
33.	B Murugesan, A Sivakumar, A Loganathan and P Sivakumar , (2017) Synthesis and photocatalytic studies of lanthanum oxide doped nano carbon hollow spheres, J. Taiwan Institute of Chem. Engg. , 71 (2017) 364–372.	5.876
34.	S.Saminathan, M. Asaithambi, V. Sivakumar and P. Sivakumar , (2016) Non-conventional adsorbent prepared from <i>wrightia tinctoria</i> fruits under microwave heating for the removal of Ni(ii) ions, Rasayan J. Chem. , 9 (4), 812 – 824.	--
35.	S.Saminathan, M. Asaithambi, V. Sivakumar and P. Sivakumar, (2016) Removal of Hexavalent Chromium Using Novel Adsorbent Prepared from <i>Wrightia tinctoria</i> Fruits under Microwave Heating, Asian J. Chem. , Vol. 28, No. 11, 2464-2470.	0.49
36.	K.Murugesan, P.Sivakumar, P.N.Palanisamy, (2016) An Overview on synthesis of metal oxide nanoparticles, South Asian J. Engg. Technol. , Vol.2, No.14 (2016) 58–66.	--
37.	Mahalingam, P.; Loganathan, A.; Selvaraju, M.; Sivakumar, P. , (2016) Simultaneous Exfoliation and Reduction of Urea Intercalated Graphite Oxide Using Microwave Radiation, Graphene , 3(1), 40-43.	--
38.	Sudha D and Sivakumar P (2015) Review on the photocatalytic activity of various composite catalysts, Chem. Eng. Proc. , 97, 112–133.	4.237
39.	S. Tamilselvi, M. Asaithambi, P. Sivakumar , (2016), Nano-TiO ₂ -loaded activated carbon fiber composite for photodegradation of a textile dye, Desalination and Water Treatment , 57, 15495–15502.	1.254
40.	P.Srinivasan, P.Sivakumar , (2015) Novel Non-Conventional Adsorbent for the Remediation of Dye Bearing Wastewater, Environment Asia 8(2) (2015) 78-84.	--
41.	A. Sivakumar, B. Murugesan, A. Loganathan, P. Sivakumar , (2014) A review on decolourisation of dyes by photodegradation using various bismuth catalysts, J. Taiwan Institute Chem. Engg. , 45(5) 2300 – 2306.	5.876
42.	K.Manjula Rani, P.N.Palanisamy, P.Sivakumar , (2014) Synthesis and characterization of amorphous nano-silica from biomass ash, Int. J. Adv. Technol. Engg. Sci. , 02 (10) 71-76.	--
43.	N. Gopal, M. Asaithambi, P. Sivakumar , V. Sivakumar, Adsorption studies of a direct dye using polyaniline coated activated carbon prepared from <i>Prosopis juliflora</i> , J. Water Proc. Eng. , 2 (2014), 87-95.	5.485
44.	N. Gopal, M. Asaithambi, P. Sivakumar and V. Sivakumar, (2014) Effect of Activating Agents on the Development of Porous Activated Carbon prepared from <i>Prosopis Juliflora</i> Seeds, Asian J Chem. , Vol. 26, No. 19 (2014), 6396-6400.	0.49

45.	V. Sivakumar, M. Asaithambi, P. Sivakumar and N. Gopal (2014) Removal of Congo Red Dye Using an Adsorbent Prepared from <i>Martynia annua</i> , L. Seeds, Am. Chem. Sci. J. , 4(4): 424-442.	--
46.	J.Raffiea Baseri, P.N.Palanisamy and P.Sivakumar , (2013) "Polyaniline Nano composite for the Adsorption of Reactive Dye from Aqueous solutions:Equilibrium and Kinetic Studies", Asian J Chem. , Vol. 25, Iss 8, pp 4145 - 4149.	0.49
47.	A.Agalya, P.N.Palanisamy and P.Sivakumar , (2013), "Preparation and characterization of activated carbon prepared from <i>Euphorbia Tirucalli L wood</i> for the removal of textile dyes from wastewater", Int J Chem Sci. , Vol. 11 Iss. 2, 957-967.	--
48.	P.N.Palanisamy, A.Agalya and P.Sivakumar , (2013), "Poly Pyrrole composite – A potential Biomaterial for the removal of Acid Dyes", Asian J Chem. , Vol.25 Iss. 11, 5891-5896.	0.49
49.	A.Agalya, P.N.Palanisamy and P.Sivakumar , (2013), "Adsorption Studies of dyeing Industry Effluents using Activated carbon and Polymer composites", Int J Env Engg Manage. , Vol.4 Iss. 1, 119-125.	--
50.	R.Parimalam, V. Raj , P. Sivakumar , (2012) "Removal of Acid Green 25 from aqueous solution by adsorption", J. Chem. , Vol. 9 (4), PP. 1683-1698 (Impact Factor: 0.59)	--
51.	R.Parimalam, V. Raj , P. Sivakumar , (2012), "Ortho phosphoric acid Activated Ananas Comosus leaves carbon as an adsorbent for the removal of Basic Yellow 2: kinetic and isotherm studies, Asian J Chem. , Vol. 24 pp. 12-17.	0.49
52.	Srinivasan. P, Raja. S, Sivakumar. P (2012) Kinetics and Mechanism of removal of textile dyes by adsorption on <i>Thevetia (Peruviana) neriifolia</i> Juss, Int J Med Res. , 1(5): 279-284.	--
53.	A.Agalya, P.N.Palanisamy and P.Sivakumar , (2012), "Kinetics, equilibrium studies on removal of ionic dyes using a novel non-conventional activated carbon", Int J Chem Res. , Vol. 3, Iss. 1, 62-68.	--
54.	A.Agalya, P.N.Palanisamy and P.Sivakumar , (2012), "Studies on adsorptive removal of cationic dyes using a novel non-conventional activated carbon", Adv. App Sci Res. , Vol. 3, Iss. 3, 1220-1230.	--
55.	P.N.Palanisamy, A.Agalya and P.Sivakumar , (2012), "Polymer composite-A potential biomaterial for the removal of reactive dye", J. Chem. , Vol. 9, Iss. 4, 1823-1834.	--
56.	V. Sivakumar, M. Asaithambi and Sivakumar P , (2012), "Physico-chemical and adsorption studies of activated carbon from Agricultural wastes", Adv. App Sci Res. , Vol. 3 (1) pp. 219-226.	--
57.	J.Raffiea Baseri, P.N.Palanisamy and P.Sivakumar , (2012), "Adsorption of Reactive Dye by a Novel Activated carbon prepared from <i>Thevetia Peruviana</i> ", Int J Chem Res. , Vol.3 Iss. 2, 36-41.	--
58.	J.Raffiea Baseri, P.N.Palanisamy and P.Sivakumar , (2012), "Comparative Studies of the adsorption of direct dye on activated carbon and conducting polymer composite", J Chem. , Vol. 9, Iss. 3, 1122, 1134.	--
59.	J.Raffiea Baseri, P.N.Palanisamy and P.Sivakumar , (2012), "Preparation and characterization of activated carbon prepared from <i>Thevetia Peruviana</i> for the removal of dyes from textile wastewater", Adv. App Sci Res. , Vol. 3, Iss. 1, 377-383.	--
60.	J.Raffiea Baseri, P.N.Palanisamy and P.Sivakumar , (2012), "Use of activated carbon of <i>Thevetia Peruviana</i> wood for the adsorption of acid violet dye from aqueous solutions", Asian J Chem. , Vol. 5, Iss. 4, 332-337.	0.49

61.	J.Raffiea Baseri, P.N.Palanisamy and P.Sivakumar , (2012), "Application of Polyaniline Nano Composite for the Adsorption of Acid Dye from Aqueous Solutions", J. Chem. , Vol 9, Iss. 3, 1266-1275.	--
62.	S. Karthikeyan and P. Sivakumar, The Effect of Activating Agents on the Activated Carbon Prepared from Feronia limonia (L.) Swingle (Wood Apple) Shell, J. Environ. Nanotechnol. , 1 (2012) 05-12.	--
63.	R.Parimalam, V. Raj , P. Sivakumar , (2011), "Adsorption Isotherms, Kinetics, Thermodynamics and Desorption Studies of Reactive Orange16 on Activated Carbon Derived From <i>Ananas Comosus</i> (L.) Carbon", ARPJ Engg. App Sci. , Vol 6 (11), pp. 15-26.	--
64.	Palanisamy P.N., Sivakumar P. B. H. Hameed and K. Radha (2011) "Novel non-conventional activated carbon for the remediation of dyeing industry effluent" Int. J. Civil Environ. Eng. , Vol. 03 No.01, pp. 45 – 50.	--
65.	Sivakumar. V, Asaithambi. M, Jayakumar. N and Sivakumar P , (2010), "Assessment of the Contamination from the Tanneries & Dyeing Industries on to Kalingarayan Canal of Tamilnadu", Int. J. Chem.. Tech. Res. , Vol.2, No.2, pp 774-779.	--
66.	P.Sivakumar and P.N.Palanisamy, (2010), "Mechanistic Study of Dye Adsorption on to a Novel Non-Conventional Low-Cost Adsorbent", Adv. Appl. Sci. Re. , Vol. 1 (1), pp. 58-65.	--
67.	P.N.Palanisamy and P.Sivakumar (2009) "Kinetic and Isotherm Studies of the Adsorption of Acid Blue 92 Using a Low-cost Non-conventional Activated Carbon", Desalination. , Vol. 249, pp. 388-397.	9.501
68.	Geetha A. Sivakumar P. Sujatha M. Palanisamy P.N and Somasundaram T. (2009) "Adsorption of Acid Blue from Aqueous solution onto Areca Nut Shell carbon: Equilibrium, Kinetic and Isotherm Studies", Res. J. Chem. Environ. , Vol. 13 (1), pp. 52 – 58.	0.247
69.	Palanisamy P.N. and Sivakumar P. (2008) 'Production and characterization of a novel non-conventional low-cost adsorbent from <i>Euphorbia antiquorum</i> L', Rasayan J. Chem. , Vol. 1(4), pp. 901-910.	--
70.	Sivakumar P. and Palanisamy P.N. (2008) 'Low-cost non-conventional activated carbon for the removal of Reactive red 4: Kinetic and isotherm studies', Rasayan J. Chem. , Vol. 1(4), pp. 871-883.	--
71.	Sivakumar P. and Palanisamy P.N. (2008) 'Adsorption studies of Basic red 29 by a non-conventional activated carbon prepared from <i>Euphorbia antiquorum</i> L', Int. J. Chem. Tech. Res. , Vol. 1(3), pp. 502-510.	--
72.	Karthikeyan S, Sivakumar P and Palanisamy P.N. (2008) "Novel Activated Carbons from Agricultural Wastes and their Characterization", J. Chem. Vol. 5, pp. 409-426.	--
73.	Geetha A, Palanisamy P.N., Sivakumar P. Ganesh Kumar P. and Sujatha M. (2008) "Assessment of Underground Water Contamination and Effect of Textile Effluents on Noyyal River Basin In and Around Tiruppur Town, Tamilnadu", J. Chem. , Vol. 5(4), pp. 696-705.	--
74.	Sujatha M, Geetha A., Sivakumar P. and Palanisamy P.N. (2008) "Orthophosphoric Acid Activated Babul Seed Carbon as an Adsorbent for the Removal of Methylene Blue", J. Chem. , Vol. 5 (4), pp. 742-753.	--
75.	Palanisamy P.N, Geetha A, Sujatha M, Sivakumar P and Karunakaran K (2007) "Assessment of Ground Water Quality in and around Gobichettipalayam Town Erode District, Tamilnadu, J.Chem. , Vol. 4 (3), pp. 434-439.	--
76.	Karthikeyan S., Jambulingam M., Sivakumar P (2006) "Adsorption of Basic Brown 4 (Basic dye) Using a low cost Activated Carbon Prepared from Agricultural Solid Waste: Turmeric Industrial Waste", Res. J. Chem. Environ. , Vol. 10(4), pp. 72-80.	0.247

77.	M.Jambulingan, S.Karthikeyan and P.Sivakumar (2006) "Impact of Textile Effluents on Fresh Water Fish Mastacembelus Armatus (Cuv &Val)", J. Chem. , Vol. 3, No.13, pp 303-306.	--
Cumulative Impact Factor:		67.619

16. Book / Chapters Published (Recent First)

S.No	Author(s)/ Editor(s)	Book or Book chapter	Title of the Book/chapter	Publishers with ISBN/ ISSN	Year of Publication
1.	P.N.Palanisamy, M.Sujatha, A.Geetha, P.Manikandan, P.Sivakumar	Book	Text Book of Environmental Science & Engineering	No	2007
2.	P.N.Palanisamy, M.Sujatha, A.Geetha, P.Manikandan, P.Sivakumar	Book	Applied Chemistry	No	2007
3.	P.N.Palanisamy, M.Sujatha, A.Geetha, P.Manikandan, P.Sivakumar	Book	Environmental Science	No	2008
4.	P.N.Palanisamy, M.Sujatha, A.Geetha, P.Manikandan, P.Sivakumar	Book	Applied Chemistry	No	2008
5.	P.N.Palanisamy, M.Sujatha, A.Geetha, P.Manikandan, P.Sivakumar	Book	Environmental Science	No	2009

17. Funded Research Projects

S.No	Funding Agency	Project Title	Amount Sanctioned	Period of Project	Completed Ongoing
1.	UGC-SERO (Hyderabad)	Novel Synthesis of Catalyst Immobilized Carbon Nano spheres with Enhanced Electron Transfer properties for Photocatalytic Applications	Rs 2,50,000	2017-2019	Completed
2.	TANSCHE (Tamilnadu)	Synthesis and Application of Inner Transition metal loaded Nano carbon sphere/Titania Composite with Enhanced Electron Transfer Properties	Rs 1,00,000	2017-2018	Completed
3.	TANSCHE (Tamilnadu)	Synthesis of nano Zinc aluminate ($ZnAl_2O_4$) using hybrid Sol-gel/spray pyrolysis method and study of its photocatalytic properties	Rs 10,000	2016-2017	Completed

18. Ph.D. Thesis Supervised / Guided

S.No.	Name of the Student	Title of the thesis	Month and Year	Name of the University
1.	D.SUDHA	SYNTHESIS, CHARACTERIZATION OF INNER TRANSITION METAL DOPED TiO ₂ AND ANALYZING ITS APPLICATION FOR THE PHOTOCATALYTIC DEGRADATION OF TEXTILE DYES PRESENT IN THE WASTEWATER	June 2018	Periyar University
2.	A. SIVAKUMAR	SYNTHESIS AND CHARACTERIZATION OF BIOMORPHED ZnO/CeO ₂ NANO WIRES USING BANANA PSEUDO STEM CELLULOSIC MICRO FIBRIL BUNDLE AND ANALYSIS OF ITS APPLICATION FOR THE PHOTODEGRADATION OF TEXTILE DYES	2018	Bharathiar University
3.	V.KUMARAVELAN	SYNTHESIS, CHARACTERIZATION AND APPLICATIONS OF Fe ₃ O ₄ IMMOBILIZED MAGNETIC NANO CARBON BALLS FOR THE ADSORPTION OF TEXTILE DYES UNDER BATCH AND COLUMN MODE	July 2019	Periyar University
4.	B. MURUGESAN	SYNTHESIS OF LANTHANUM OXIDE DOPED NANO CARBON HOLLOW SPHERES BY DIRECT PYROLYSIS AND ANALYSIS OF ITS APPLICATION FOR THE PHOTODEGRADATION OF TEXTILE DYES	2020	Bharathiar University
5.	A. LOGANATHAN	GREEN SYNTHESIS OF SOLAR ACTIVE CeO ₂ /rGO NANO HYBRID PHOTOCATALYST AND ITS APPLICATIONS FOR THE DEGRADATION OF TEXTILE DYES	Aug. 2020	Bharathiar University
6.	P. MADHU	SYNTHESIS, CHARACTERISATION AND PHOTOPHYSICAL STUDIES OF SOME FLUORESCENT ORGANIC MOLECULES FOR THE DETECTION OF Fe ³⁺ AND PICRIC ACID	Nov 2020	Bharathiar University
7.	C. KALAIYARASI	Doing (Joined in July 2021)	--	Periyar University
8.	RAJASULOCHANA G	Doing (Joined in Dec 2021)	--	Periyar University
9.	DEEPHA K	Doing (Joined in Dec 2023)	--	Periyar University

19. M.Phil., Thesis Supervised / Guided

S.No.	Name of the Student	Title of the thesis	Month and Year of Award	Name of the University
1.	ARULPRAKASAM V	Inhibiting properties of mild steel corrosion using Phyllanthus Niruri Extract in 3N acid medium at various temperatures	Nov 2016	Periyar University
2.	SURESHKUMAR K	Adsorption kinetics and Isotherm studies of Acid Green-27 Dye using a Novel Activated Carbon	Nov 2016	Periyar University
3.	BALUSAMY V	Polypyrrole supported Tea Waste Activated Carbon for the Removal of Hexavalent Chromium from Wastewater	Nov 2016	Periyar University
4.	PREMA L	Inhibitive Properties of Plant Extract (Solanum Nirgum L) on Mild Steel Corrosion in Acid Medium	Nov 2017	Periyar University
5.	RAJESHWARI S	Adsorptive studies of a Textile from its aqueous solution using Non-Conventional Activated Carbon	Nov 2017	Periyar University

S.No.	Name of the Student	Title of the thesis	Month and Year of Award	Name of the University
6.	BHUVANESHWARI S	Synthesis and Applications of Nano CuO by Green Sol-Gel Process and its Application for Wastewater Treatment	Nov 2017	Periyar University
7.	DHIRAVIYARAJ	Green Synthesis and Applications of Silver Nano Particles	Nov 2017	Periyar University
8.	B. MOHANA DEVI	Photocatalytic Studies of Nano Carbon Doped with Porous Metal oxide	Nov 2017	Periyar University
9.	SIVA. M	Adsorptive removal of textile dyes using a novel adsorbent	Nov 2019	Periyar University
10.	JAMUNA. M	Green synthesis, characterization and applications of Nano composites.	Nov 2019	Periyar University
11.	NATARAJU K	Simarouba glauca seed activated carbon for the removal of river water pollutants	June 2022	Periyar University

20. Seminars / Conferences / Workshops organized (Convener/Organizing Secretary)

S.No.	Program Title	Period	National/ International	Funding Agency	Amount sanctioned
1.	Recent Trends in Applications of Nanoscience in Corrosion Control	20.11.2010	National	DRDO	Rs. 20,000
2.	Resources Extraction and Energy Consumption	31.06.2010	National	TNSCST	Rs. 10,000
3.	Recent Developments in Chemistry and Nano Science	05.01.2018	National	TANSCHE	Rs. 10,000

21. Paper Presented/Attended in National Seminars /Conferences/Symposia

S.No	Title of the Paper	Name of the conference	Venue	Date	Co-Authors
1.	Impact of Textile effluents on fresh water fish <i>Mastacembelus armatus</i>	National workshop on Recent Trends in Pollution Control and Environmental Conservation	BIT, Sathyamangalam	15 & 16 July 2004	S.Karthikeyan, M.Jambulingam
2.	Adsorption of Acid Brilliant Blue(Acid Dye) Using a Low Cost Activated Carbon Prepared from Biological Waste : <i>Leucaena Leucicephala</i>	National Conference on Advances in Pollution Control and Abatement	Department of Chemical Engg., Kongu Engg. College, Perundurai.	February 8 & 9, 2007	P.N.Palanisamy
3.	Environmental Ethics	UGC Sponsored National Level Seminar on "Ethics and Human Values – An Imperative for Modern Society"	Velalar College for Women, Erode.	March 28 & 29 2007	P.N.Palanisamy, M.Sujatha, A.Geetha
4.	Impact of textile	44 th Annual	University of	23-27	P.N.Palanisamy,

S.No	Title of the Paper	Name of the conference	Venue	Date	Co-Authors
	dyeing industries on the characteristics of water in Coimbatore district	Convention of Chemists	Rajestan, Jaipur	December 2007	M.Sujatha, A.Geetha
5.	Kinetic and Equilibrium Studies of Basic Red 29 Adsorption by Phosphoric Acid Treated Euphorbia antiquorum L Activated Carbon	National Conference on Emerging Trends in Chemical Research – 2008	Annamalai University, Annamamalai Nagar	17 and 18th October 2008	P.N.Palanisamy
6.	Attended a Conference	Modern Trends in English Language Teaching and Learning Industry Institute Prospective	Department of English, Kongu Engg. College, Perundurai.	6-7 Feb 2009	--
7.	Column adsorption studies of Reactive and Direct dyes using non-conventional activated carbon	National Conference on the Emerging Areas in Chemistry “NACEAC–2009”	Department of Studies in Chemistry, University of Mysore, Mysore.	31.07.09 & 01.08.09	P.N.Palanisamy
8.	Organized a Symposium	One day state level symposium on Resources Extraction and Energy Consumption	Department of Chemistry, Kongu Engineering College, Perundurai.	31.07.2010	--
9.	Organized a Workshop	Applications of Nanoscience in Corrosion Control	Department of Chemistry, Kongu Engineering College, Perundurai.	20.11.2010	--
10.	PVA Supported Microporous Adsorbent for the Remediation of Dye House Waste Water	National Conference on Biological Wastewater Treatment Towards Green Environment.	Department of Chemical Engg., NIT, Calicut.	28-30 Jan 2011.	P Srinivasan & P N Palanisamy
11.	Organized a Conference & Presented a paper	Recent Applications of Nanomaterials in Chemistry and Environmental Research (RANCE	Department of Chemistry, Kongu Engineering College, Perundurai.	18.02.2011 – 19.02.2011	--

S.No	Title of the Paper	Name of the conference	Venue	Date	Co-Authors
		2011)			
12.	Polyaniline composite a potential biomaterial for the removal of ionic dyes	National conference on advances in Oraganic and physical chemistry	Department of Chemistry, NIT, Calicut.	22-23 Mar 2012	P.N.Palanisamy
13.	Attended a Seminar	National Seminar on "Industrial Applications of Polymer Nanocomposites" (IAPNC 2013)	Department of Chemistry, Kongu Engineering College, Perundurai.	19.10.13	--
14.	Removal of Direct dye from an aqueous media using polymer coated activated carbon	Recent Applications of Nanomaterials in Chemistry and Environmental Research (RANCER 2014)	Department of Chemistry, Kongu Engineering College, Perundurai.	11.12.2014 – 12.12.2014	P. Srinivasan
15.	Inner transition metal doped graphene as a hybrid photocatalyst for the degradation of a basic dye.	UGC sponsored National Seminar on Recent Advances in Chemistry	Department of Chemistry, Kandasami Kandar's college, Velur-638182	Aug 13-14, 2015	A. Loganathan & P. Mahalingam
16.	Organizing Secretary	State Level Seminar on Recent Developments in Chemistry and Nano Science.	Arignar Anna Govt Arts College, Namakkal	05.01.2018	P. Sivakumar
17.	Attended a Faculty Development Programme	Journey of Nano materials for Intense Applications	Department of Chemistry, Kongu Engineering College, Perundurai.	07.07.2020 to 09.07.2020	
18.	Attended one day Workshop	Quality Framework in Science stream Doctoral Research	Swayam Cell, Periyar University, Salem	03.11.2020	--
19.	Attended Workshop	National Level online workshop on Virtual Chemistry Learning for Higher Education	Central University of Kerala, Kasaragod, Kerala	17,18 Jan 21	--

22. Paper Presented in International Seminars /Conferences /Symposia

S.No	Title of the Paper	Name of the conference	Venue	Date	Co-Authors
1.	Adsorption of Acid Blue 92 Using a Low-cost Activated Carbon : Kinetic and Isotherm Studies	International Conference on Frontiers in Chemical Research (ICFCR-2008)	Department of Chemistry, Mangalore University, Mangalore	29-31 December 2008	P.N.Palanisamy
2.	Mechanistic Study of Dye Adsorption on to a Novel Non-Conventional Low-Cost Adsorbent	International Conference on Materials for the Millennium (MatCon 2010)	Cochin University of Science & Technology, Cochin	11.01.10 to 13.01.10	P.N.Palanisamy
3.	Kinetic and Isotherm studies for the adsorption of a textile dye using PVA matrix supported Activated carbon	International Conference on Functional Polymers	Department of Chemistry, NIT, Calicut.	28.01.2011 & 29.01.2011	P Srinivasan & P N Palanisamy
4.	Synthesis and Application of Composite Catalyst based on Nano Carbon Balls	International Symposium on Nanomaterials for Clean energy and Health Applications	Coimbatore Institute of Technology - India and Western Norway University of Applied Sciences, Norway	December 6 – 8, 2017	P. Sivakumar
5.	Non-linear Mathematical Models for the Analysis of Kinetics of Heterogeneous Photocatalysis	International Conference on Functional Materials for Bio-Energy, Green Technology and Environmental Sustainability	Trinity College for Women, Namakkal	08.08.2019	A. Sivakumar, B.Murugesan and A. Loganathan
6.	Attended an International Webinar	Role of Nano science in Healthcare Materials	PG & Research Department of Physics, GAC, Salem	22.06.2020	--

23. Chair/ Co-Chair and Invited Speaker in Conferences

S.No	Name of the Conference	Chair/ Co-Chair and Rapporteur	Held on
1.	“Recent Applications of Nanomaterials in Chemistry and Environmental Research” (RANCER 2012)	Chairperson	Department of Chemistry, Kongu Engg. College, Perundurai on 20 & 21st July 2012
2.	“Recent Applications of Nanomaterials in Chemistry and Environmental Research” (RANCER 2014)	Chairperson	Kongu Engg. College, Erode in 11, 12 Dec. 2014

S.No	Name of the Conference	Chair/ Co-Chair and Rapporteur	Held on
3.	Resource Person in 23 rd National Children Science Congress-2015	Resource Person	Muthayammal Engg. College, Rasipuram, TN
3.	DBT Sponsored one day National seminar on Recent Trends and Challenges in Phytochemistry and Biosorption (RTCPB- 2016)	Invited Lecture	Department of Chemistry, Kongu Engineering College, Perundurai, Erode-638 052
4.	CSIR, TNSCST & DST Sponsored National Conference on Recent Trends in Material Science RTMS2018	Invited Lecture	Department of Physics, Annamalai University, Annamalai Nagar – 608 002 on 19-12-2018 & 20-12-2018
5.	National Conference on “Recent Advance Materials & Mathematical Analysis 2019”	Invited Lecture	Balamurugan College of Arts and Science, Salem – 636 451 on February 6-8, 2019.
6.	International Conference on Advanced Material & Technology (ICMAT-20)	Invited Lecture	JSS Science and Technology University, Mysore - 570 006, 16-18 January 2020
7.	Three Day Faculty Programme on “Journey of Nano materials for Intense Applications”	Invited Lecture	Department of Chemistry, Kongu Engineering College, Perundurai, Erode-638 052 on 09.07.2020
8.	Faculty Development Programme on “Materials and Medicinal Chemistry - 2020”	Invited Lecture	Department of Chemistry, Don Bosco Institute of Technology, Bengaluru on 11 th August 2020.

24. Invited talk Delivered in colleges

S.No	Title of the Talk	Name of the Institution	Date
1.	Emerging Trends in Green Chemistry	Al-Ameen Engineering College, Erode	07.06.2011
2.	Green Chemistry	Vivekananda Arts and Science College for Women, Tiruchengode	03.09.2016
3.	Electronic Spectra for Inorganic Applications	Selvam Arts and Science College, Namakkal	30.12.2016
4.	Spectroscopic Studies in Chemistry	KSR College of Arts & Science, Tiruchengode	16.08.2019

25. Details of Awards / Honors/Scholarship grants/ Prizes secured

S.No	Details of Awards/Honors/ Scholarship /prizes	Body instituted the Award	Year
1.	Best Oral Presentation Award in a National Conference on the Emerging Areas in Chemistry “NACEAC-2009”	Department of Studies in Chemistry, University of Mysore, Mysore	2009
2.	Best paper award in an International Conference on Recent Trends in Synthetic Methods and Material Chemistry (RTSMC-2018)	Annamalai University	2018
3.	Best Researcher (Among the Periyar University Affiliated Colleges)	Periyar University, Salem	2019

4.	Achieved the Recognized reviewer status	Elsevier	2019
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26. College Cell activity Experience

S.No	Position	Organization	Nature of Responsibility	Duration
1.	Programme officer NSS	AAGAC	NSS Activities (Regular and Camp)	2018-2021
2.	Assistant Coordinator	AAGAC	IQAC	2016-2020
3.	In-charge Electoral Literacy Club	AAGAC	In-charge Electoral Literacy Club	2018-2021
4.	Research Coordinator	AAGAC	College coordinator for R & D activities	2021-2024

27. Membership in Academic bodies

S.No	Name of the Academic body and Location	Membership Number	Annual or Life Member
1.	Indian Chemical Society	LF – 1524	Life Member

28. Reviewer /Editorship for Special issue in Journals

Name of the Journal with Publisher Name	From	To
Chemical Engineering Journal (Elsevier)	2011	Till date
Desalination and Wastewater (Thomson Reuters)	2012	Till date
The Canadian Journal of Chemical Engineering	2012	Till date
Journal of the Taiwan Institute of Chemical Engineers (Elsevier)	2013	Till date
Industrial Crops and Products (Elsevier)	2013	Till date
Optoelectronics and Advanced Materials – Rapid Communications (OAM-RC)	2013	Till date
Journal of Materials Science: Materials in Electronics (JMSE)	2013	Till date
Guest Associate Editor – Frontiers in Chemistry	2018	Till date

29. List of Faculty Development Programme attended (Orientation/ Refresher/ Winter School/Summer School/ SDP and FDP/MOOC/SWAYAM Courses)

1. Attended UGC sponsored Orientation Programme at University of Madras, Chennai from 04.05.2011 to 02.06.2011.
2. Attended UGC sponsored Refresher Course in Frontiers in Chemistry 2014 at Academic Staff College, Bharathidasan University, Trichy, from 01.02.2014 to 21.02.2014.
3. Attended UGC sponsored Refresher Course in Material Science at UGC, HRDC, Kannur University, from 12.07.2017 to 01.08.2017.
4. Attended UGC and Ministry of HRD sponsored Online Refresher Course in “Chemistry for Higher Education Faculty” at SWAYAM ARPIT and Successfully Completed the Exam Held of 30.03.2019.
5. Attended UGC and Ministry of HRD sponsored Online Refresher Course in “Climate Change – A Guide for Teachers of All Discipline” at SWAYAM ARPIT and Successfully Completed the Exam Held of 19.02.2020.

30. Member in Board of Studies/Chairmanship

S.No	Department and Name of the Institution	From	To
1.	PG Chemistry board at KSR College of Arts and Science, Tiruchengode	2015	2018
2.	PG Chemistry board at Vivekanadha College of Arts and Science, Tiruchengode	2017	2020
3.	PG Chemistry board at Gobi Arts & Science College, Gobichettipalayam	2022	Till date

31. Member in Ph.D Doctoral Committee

S.No	Department and Name of the Institution	From	To
1.	Department of Chemistry, Kongu Engineering College, Erode	2017	Till date
2.	Department of Physics, Erode Sengunthar Engineering College, Perundurai.	2016	2019
3.	Department of Chemistry, Arignar Anna Govt Arts College, Namakkal	2016	Till date

Research Citation Index ids

Google Scholar ID	shivagobi@gmail.com
SCOPUS ID	shivagobi@yahoo.com
Web of Science	35789154400
VIDWAN ID	Profile URL: https://vidwan.inflibnet.ac.in/profile/183536
ORCID	0000-0002-2158-4442

I hereby declare that the above particulars furnished by me are true to the best of my knowledge and belief.

Place: Namakkal

Date: 06.12.2024

(Dr. P. Sivakumar)

* Updated in Dec 2024