

CURRICULUM VITAE

1. Name : Dr.A.SAHAYA RAJA
2. Age & Date of Birth : 41 & 16/05/1982
3. Designation & Subject : Assistant Professor & Chemistry
4. Educational Qualification : M.Sc., M.Phil., B.Ed., Ph.D.,
5. Date of Appointment : 01.04.2013
6. Date of Retirement : 31.05.2042
7. Spouse Name and Occupation : Dr.V.Prathipa & Associate Professor,
PSNA College of Engineering & Technology,
Dindigul – 624 622



8. a) Qualifications – Academic:

Examinations passed	Month & Year of passing	Subject/ Specialization	Name of the College/University
Ph.D.,	2013	Corrosion Inhibitor/ Science	G.T.N.Arts College/ Madurai Kamaraj. University
M.Phil.,	2005	General Chemistry	Loyola College/ Madras University,
M.Sc.,	2004	General Chemistry	St. Joseph College/ Bharathidasan University
B.Sc.,	2002	General Chemistry	Arul Anandar College, Madurai Kamaraj. University
B.Ed.,	2006	Physical Science	St. Xavier's College of Education/ Manonmanium Sundaranar University

9. Total Teaching Experience: 15 years 1 Months

Under graduate - 13 Years 1 Months
Post Graduate - 2 Years 6 Months
Research (M.Phil & Ph.D) - 9 Years 4 Months

10. Area of Specialization : i) Teaching - General Chemistry & Applied Chemistry
i) Research - Nanoscience and Sensor, Corrosion Science/Inhibitor, Environmental Science

11. Research Experience – M.Phil:

Course	No. of Candidates Awarded	Institution and University
M.Phil (Chemistry)	22	G.T.N. Arts College (Autonomous), Dindigul and Madurai Kamaraj University, Madurai

12. Research Experience – Ph.D: Madurai Kamaraj University, Guideship.No:1543

No.of Candidates	University
Awarded	-
Awaiting for <i>Viva Voce</i>	-
Ph.D (Chemistry).in Progress	4 Madurai Kamaraj University

13. Orientation Course, Refresher, Short Term Courses and In-service Training Programme:

Sl.No.	Name of the Institution/University	From	To
1	UGC Sponsored Orientation Course , UGC-Academic Staff College, Bharathidasan University,	06-11-2013	03-12-2013.
2	UGC Sponsored Refresher Course , UGC – Academic Staff College, Madurai Kamaraj University	02.11.2016	22.11.2016
3	UGC Sponsored Online Refresher Course , UGC – Academic Staff College, Madurai Kamaraj University	09.12.2020	22.12.2020
4	UGC Sponsored Online Refresher Course , UGC – Academic Staff College, Madurai Kamaraj University	10.11.2021	23.11.2021
5	TNSCHE Sponsored In – Service Teacher Training Programme , Sri Meenakshi Govt. Arts College for Women (A)	05.05.2022	06.05.2022

14. Seminars/Workshops/Conferences/Symposium - Participation

Sl. No.	Theme of Seminar/Workshops/Conferences/Symposium	Institution/Organisation	Date
1	DST Sponsored national workshop on one- and two-dimensional NMR spectroscopy: Theory and Applications	School of chemistry, Madurai Kamaraj University.	Feb 22 -23, 2007
2	National Seminar on recent Advances in Textile and Electrochemical Sciences	Alagappa University, Karaikudi	June 1 & 2, 2007
3	AICTE Sponsored National Seminar on advancements in corrosion control	Mepco Schlenk Engineering College, Sivakasi	July 30 & 31, 2009
4	National Seminar on Emerging Trends in Nanotechnology and applications ETNTA 11	K.L.N. College of Engineering, Pottapalayam	19.04.2011
5	UGC Sponsored National Conference on Emerging trends in Chemistry (NCETC -2012)	Bishop Heber College, Tiruchirappalli	11 th Jan 2012
6	CSIR Sponsored National Seminar on Modern Trends in Chemistry – MTC 2012- “Green Chemistry”	PSNA College of Engineering and Technology, Dindigul	23 rd & 24 th February 2012
7	National level Workshop on Modern Trends in Research Methodology	Government Arts College (Autonomous), Karur	14 th February 2014
8	UGC Sponsored one day State Level Workshop on Soft Skill Development Programme	Government Arts College (Autonomous), Karur	1 st October, 2014
9	One day National Symposium on Recent Development in Chemistry (RDC -2016)	Madurai Kamaraj University, Madurai	June 4, 2016
10	Youth Festival as Staff Coordinator on the theme of Youth Carnival South Uprisal organized by Madurai Kamaraj University	Sacred Heart College of Arts and Science, Dindigul	19 th and 20 th August 2016
11	International Seminar on New Perspectives in Science and Technology (INPST – 2017)	St. Antony's College of Arts and sciences for Women	11 th October 2017
12	One Day Workshop on Examinations Reforms in Higher Education	G.T.N. Arts College (Autonomous), Dindigul	19 th September 2018
13	One Day National workshop on E – Content Development and MOOC	G.T.N. Arts College (Autonomous), Dindigul	22 nd December 2018
14	UGC Autonomy Grant Sponsored One Day State Level Seminar on Recent Advances in applied mathematics (RAAM – 2019)	G.T.N. Arts College (Autonomous), Dindigul	25 th February 2019
15	UGC Autonomy Grant Sponsored State Level Seminar on Gene and Environmental Interaction (GEI – 2019)	G.T.N. Arts College (Autonomous), Dindigul	4 th March 2019
16	UGC Autonomy Grant Sponsored State Level Workshop on Hands on training in PCR Techniques (HTPT- 2019)	G.T.N. Arts College (Autonomous), Dindigul	5 th March 2019
17	One Day National Workshop on Outcome Based Education – A Paradigm Shift	G.T.N. Arts College (Autonomous), Dindigul	27 th June 2019

18	TNSCST Sponsored One Day National Workshop on Intellectual Property Rights (IPR)	St.Antony's College of Arts and sciences for Women, Dindigul	9 th august 2019
19	International Seminar on Advanced Materials (AM – 2019)	School of Chemistry, Madurai Kamaraj University, Madurai	23 rd September 2019
20	One Day FDP on “Unleashing the Potential of Faculty Members – Prepare Oneself Towards API Score”	IQAC, G.T.N. Arts College (Autonomous), Dindigul	13 th . September 2019
21	Faculty Development Programme on “Framework of Outcome Based Syllabus”	IQAC, G.T.N. Arts College (Autonomous), Dindigul	01 st November 2019
22	Faculty Development Programme on “Microsoft Excel – Global Talent”	IQAC, G.T.N. Arts College (Autonomous), Dindigul	01 st November 2019
23	TNSCST Sponsored One Day National Level Workshop on Art of writing Paper and Publishing in High Reputed Journals	G.T.N. Arts College (Autonomous), Dindigul	4 th November 2019
24	Intercollegiate Programme on Effective Implementation of DBT STAR COLLEGE SCHEME	Jamal Mohamed College (Autonomous), Tiruchirappalli	12 th March 2022
25	41 st session of the South Indian History Congress	G.T.N. Arts College (Autonomous), Dindigul	26 th to 28 th August 2022

15.Seminars/Workshops/Conferences/Symposium – Paper Presentation

Sl. No.	Title of the Paper	Seminar / Workshop / Conference	Institution where Attended	Year
1	Synthesis and Characterisation Cobalt (III) Macrocyclic complexes having imidazole and benzimidazole as ligands	National Seminar on Recent Trends in Applied Chemistry	St.Joseph College, Tiruchirappalli.	Jan.10 th & 11 th , 2005
2	Glycine as Corrosion Inhibitor for Carbon Steel in well water	National Symposium on Recent Development in Chemistry	Srinivasan college of Arts & Science, Perambalur	25 th Feb 2012
3	Decolourization of Textile dye (Pyrocatechol Violet) by Electrochemical method	One day National seminar on The Widening Horizons of Chemistry(TWHC-(III)	Arulmigu Palaniandavar Arts college for Women, Palani	Jan 30 th 2014
4	Measuring Ambient Air Quality Status in Dindigul Town	UGC Sponsored one day National Level Seminar on Recent Advances in Chemistry (RAC -2015)	GTN Arts College, Dindigul	March 18 th 2015
5	Surface Analysis Study of	One Day National Seminar	Sacred Heart College	6 th

	Carbon Steel Corrosion Protection by Glycine – Zn ²⁺ System	on corrosion control and environmental protection(CHEM FEST 2015)	of Arts & Science,Dindigul	October 2015
6	Studies on Decolourization of Textile Dyes by Electrochemical Method	International Conference on Advances in Engineering, Science and Technology(ICAEST'16)	SBM college of Engineering & Technology, Dindigul	3 rd & 4 th March 2016
7	A simple route for the preparation and Characterization of nickel – copper doped Silica nanocomposite and its application in dye Degradation	International Seminar on Nanoscience and Technology(ISNST2016)	Mother Teresa Women's University, Kodaikanal	September 20, 2016
8	Corrosion inhibition of carbon steel in simulated concrete pore solution prepared in well water in presence of <i>Justicia adhatoda</i> extract	One day National level seminar on Cutting edge Technologies in Medicinal Chemistry	Sakthi College of Arts and Science for Women, Oddanchatram	Jan 30 th 2017
9	Investigation of Synergistic effect of L –Methionine and ZnSO ₄ against Carbon Steel Corrosion in Aqueous Solutin	UGC Sponsored National Seminar on Recent Trends in Chemistry (RTC – 2017)	Jayaraj Annapackiam College for Women, Periyakulam	11 th & 12 th January 2017
10	Electrochemical Oxidation Process of Synthetic Toxic Azo Dye with Active Chlorine for Textile Dyeing Industry Waste Water Treatment	Climate Change, Environment and Agricultural Development in India (CCEADI – 2017)	G.T.N. Arts College (Autonomous), Dindigul	13 th & 14 th July 2017
11	<i>Justicia Adhatoda</i> Extract as Corrosion Inhibitor for Carbon Steel in Simulated Concrete Pore Solution	ICSSR Sponsored Two Day National Seminar on Environment And Sustainable Development Through Swachh Bharat Mission (ESDTSBM -2018)	G.T.N. Arts College (Autonomous), Dindigul	1 st & 2 nd August 2018
12	A View of Electronic Information Resources and Its Impact	UGC Autonomy Grant Sponsored One Day National Conference on Rejuvenating Libraries in Modern Society (NCLMS – 2019)	G.T.N. Arts College (Autonomous), Dindigul	2 nd March 2019
13	Inhibition of Corrosion of Carbon Steel in Well water by L – Alanine – Zn ²⁺ System	9 th National Conference on Natural Sciences	Bose Science Society at Pushkaram College of Agriculture Sciences,Pudukkottai	24 th August 2019
14	Inhibition of Corrosion of Mild Steel in Sea Water by Hydroxy	TNSCST Sponsored One Day National Seminar on	St.Antony's College of Arts and sciences	18 th September

	Proline – Mg ²⁺ System	Teaching Chemistry Through New Strategies	for Women,Dindigul	2019
15	Statistical Analysis by t-test for the Evaluation of Corrosion Behavior of Carbon Steel in L-arginine-Zn ²⁺ Binary Inhibitor System	TNSCST Sponsored State Level Seminar on Emerging Trends in Chemical Science (ETCS – 2K19)	G.T.N. Arts College (Autonomous), Dindigul	18 th October 2019
15	A study of the ground water quality of Physico-Chemical Parameters in west of Dindigul	One Day Internal Seminar on Emerging Trends in Chemistry & Energy Science	Saraswathi Narayanan College.Madurai	7 th Feb 2020
16	Decolourization of Toxic Dye by electrochemical method	National Youth Science Conference for Sustainable Development (NYSCSD 2020) (SBN:978 -81 -934644-6-5)	Tamilnadu Scientific Research Organisation, Pudukkottai, Tamilnadu, India	28 th Feb 2020

16. Seminars/Workshops/Conferences/Symposium – Organized

1	Awareness Camp against Drug Abuse and illicit Trafficking programme organized by Department of Chemistry and Tamil Nadu Police Department at G.T.N. Arts College (Autonomous), Dindigul held on 10.03.2014			
2	UGC Sponsored one day National Level Seminar on Recent Advances in Chemistry (RAC - 2015) at G.T.N. Arts College (Autonomous), Dindigul held on 18.03.2015			
3	Lecture Workshop on Recent Advances in Chemistry (RAC-2016) at G.T.N. Arts College (Autonomous), Dindigul held on 8 th March 2016			
4	UGC Sponsored two-day national level seminar on Climate Change, Environment and agricultural development in India (CCEADI 2017) at G.T.N. Arts College (Autonomous), Dindigul on 13 th and 14 th July 2017			
5	ICSSR Sponsored Two Day National Seminar on Environment and Sustainable Development Through Swachh Bharat Mission (ESDTSBM -2018) at G.T.N. Arts College (Autonomous), Dindigul on 1 st & 2 nd August 2018			
6	One Day National Seminar on Scholarly Communication Facets and Research Writing at G.T.N. Arts College (Autonomous), Dindigul on 27 th October 2018			
7	One Day Students seminar on Role of Youth in Disaster Management at G.T.N. Arts College (Autonomous), Dindigul on 04 th January 2019			
8	UGC Autonomy Grant Sponsored One Day National Conference on Rejuvenating Libraries in Modern Society (NCRLMS – 2019) at G.T.N. Arts College (Autonomous), Dindigul on 2 nd March 2019			
9	UGC Autonomy Grant Sponsored National Conference on Recent trends in Solar Energy and Nanoscience (SENS – 2019) at G.T.N. Arts College (Autonomous), Dindigul on 8 th March 2019			
10	26 th Annual Session of the Tamil Nadu History Congress at G.T.N. Arts College (Autonomous), Dindigul on 11 th , 12 th , 13 th October 2019 (Organizing Committee Member as an Institution Level)			
11	TNSCST Sponsored State Level Seminar on Emerging Trends in Chemical Science (ETCS – 2K19) at G.T.N. Arts College (Autonomous), Dindigul on 18 th October 2019			
12	District Level Interschool Science Exhibition at G.T.N. Arts College (Autonomous), Dindigul on 05.11.2019			

13	One Day National Level Seminar on “Recent Advances in Chemistry” on 13 th March 2020 at G.T.N. Arts College (Autonomous), Dindigul.
14	One Day State Level Workshop on “Entrepreneurship Opportunities in Small Scale Sectors” on 11 th March, 2020 at G.T.N. Arts College (Autonomous), Dindigul
15	National Level Webinar on “Organic Reagent for Competitive Examinations” on 12 th May 2020 at G.T.N. Arts College (Autonomous), Dindigul
16	Organized National Webinar on "இனி ஒரு விதி செய்வோம் " on 29th July 2020 at G.T.N. Arts College (Autonomous), Dindigul
17	41 st Annual Session South Indian History Congress at G.T.N. Arts College (Autonomous), Dindigul, 26 th , 27 th , 28 th August 2022 (Organizing Committee Member as an Institution Level)

17. List of Publications

a) International Journals

Sl. No	Title of the Article	Name of the Journal	Volume, Year, Page No.	ISSN.No
1	Kinetics of reduction of halogenopyridinecarbox-Amidecobaloximes by potassium hexacyanoferrate (II)	Asian Journal of Chemistry	18(4), 2006, 2583-2590	ISSN: 0970-7077
2	Corrosion Inhibition by Arginine – Zn ²⁺ system	Zastita Materijala	52(2), (2011), 101-108	ISSN: 0351-9465
3	Inhibition of corrosion of carbon steel in well water by arginine – Zn ²⁺ system	Journal of Electrochemical Science and Engineering	2(2), (2012), pp.91-104	ISSN: 1847-9286
4	Eco-Friendly Inhibitor Glycine-Zn ²⁺ System Controlling Corrosion of Carbon Steel in Well Water	European Chemical Bulletin	1(3), (2012), pp.130-136	ISSN: 2063-5346
5	Inhibition of Corrosion of Carbon Steel in Well Water by DL-Phenylalanine-Zn ²⁺ System	Journal of Chemistry	2013,(2013),pp.1-8, Article ID 720965, doi:10.1155/2013/720965, DOI:10.1155/2962	ISSN: 2090-9071
6	Green approach to corrosion inhibition of carbon steel by the extract of <i>Polyalthia Longifolia</i>	Journal of Applicable chemistry	3(5),(2014), pp - 2055 -2065	ISSN: 2278 – 1862
7	A Study of <i>Acalypha Indica</i> Extract as a Novel Green Inhibitor for Carbon Steel in Aqueous Medium	International Journal of Green and Herbal Chemistry	3 (3), (2014),pp 1033 – 1047	ISSN : 2278 – 3229
8	Corrosion inhibition of <i>Vitex Negundo</i> Extract as a green corrosion inhibitor for carbon steel in well water	International Journal of Chemical Studies	2(1), (2014), pp.31-37	ISSN : 2321 – 4902
9	Corrosion Inhibition by Cysteine– An Overview	International Journal of Advanced research in	1(1),(2014), PP 101 – 109	ISSN : 2349 –

		Chemical Science		0403
10	Corrosion Control by Green Solution – An Overview	International Journal of Advanced research in Chemical Science	1(1),(2014),PP 10 – 21	ISSN : 2349 – 0403
11	Spectroscopic methods used for analyzing protective film formed by L-Histidine on carbon steel	International journal of pharmaceuticals and drug analysis	2(7), (2014), pp.601-611	ISSN : 2348 – 8948
12	Corrosion Control of Carbon Steel by Eco-Friendly Inhibitor L-Cysteine-Zn ²⁺ System in Aqueous Medium	Journal of Chemical, Biological and Physical Sciences	4(4),(2014),pp.318 2-3189	ISSN: 2249 –1929
13	Corrosion Control by Aminoacetic acid (Glycine) – An Overview	International Journal of Innovative research in Science, Engineering and Technology	3(4), (2014) pp 11455 – 11467	ISSN (online): 2319-8753 ISSN (Print):2347 -6710
14	A Review on the Assessment of Amino Acids Used as Corrosion Inhibitor of Metals and Alloys	Journal of Chemical, Biological and Physical Sciences	5(2), (2015), pp.1585-1619	ISSN: 2249 –1929
15	Use of L-Alanine as Nature – Friendly Corrosion Inhibitor for Carbon Steel In Aqueous Medium	International Journal of Nano Corrosion Science and Engineering	2(2),(2015),pp.26-40	ISSN: 2395-7018
16	Synergism and Antagonism in Carbon Steel Corrosion Inhibition by Aminoacetic Acid (Glycine)	International Journal of Nano Corrosion Science and Engineering	2(2),(2015),pp.52-61	ISSN: 2395-7018
17	Air Quality Assessment and Air Quality Index of Dindigul Town (Tamil Nadu), India– A Case Study	International Journal of Pharm Tech Research	8(6) (2015) 45-55	ISSN:0974 -4304
18	Experimental study of inhibition effect, synergistic effect and antagonistic behavior of L-phenylalanine – ZnSO ₄ at pH – 7.2 and isoelectric point (pH – 5.9) on carbon steel in aqueous solution	International Journal of Chem Tech Research	Vol.8, No.8, pp 134-142, 2015	ISSN:0974 -4290
19	Optimisation of electrochemical decolourisation of Fast Sulphon Black F dye solution	International Journal of Chemical Concepts	Vol.01, No.03, pp 154-158, 2015	ISSN:2395 -4256
20	Surface Analysis of Protective Film Formed on Aluminium Immersed in an Aqueous Solution at pH 11 in Presence of Curcumin, Zn ²⁺ and Sodium Molybdate	International Journal of Nano Corrosion Science and Engineering,	2(5) (2015) 281-291	ISSN: 2395-7018
21	Inhibition of corrosion of Aluminium by curcumin-ethylene diamine tetra acetic acid-Zn ²⁺ system	International Journal of Nano Corrosion Science and Engineering,	3(2) (2016) 63-78	ISSN: 2395-7018

22	L-Aspartic Acid: An Efficient Water-Soluble Inhibitor for Corrosion of Carbon Steel in Aqueous Media	International Journal of Chemical, Material and Environmental Research	3(2),35-41,2016	ISSN 2410-5945
23	Surface analysis of protective film formed on aluminium immersed in an aqueous solution at pH 11 in presence of curcumin extract, Zn ²⁺ and ethylene diamine tetra acetic acid,	International Journal of Nano Corrosion Science and Engineering	3(3),43-69,2016	ISSN: 2395-7018
24	Corrosion behavior of carbon steel in isoelectric point and nearly neutral aqueous medium by L – arginine and zinc ion as a synergist	International Journal of Nano Corrosion Science and Engineering	3(4),415-427,2016	ISSN: 2395-7018
25	Electrochemical Decolourisation Process of Methylene Blue Dye in the Presence of NaCl at Platinised Titanium Electrode	International Journal of Nano Corrosion Science and Engineering	(4),326-336,2016	ISSN: 2395-7018
26	Synthesis and Characterization of SiO ₂ /Ni-Cu Nanocomposite for the Dye Degradation	International Journal of Nano Corrosion Science and Engineering	3(4),305-311,2016	ISSN: 2395-7018
27	A simple route for the preparation and Characterization of Nickel – Copper doped Silica Nanocomposite and its application in dye Degradation	International Journal for Research in Science Engineering and Technology	3(Special Issue - 4),pp 6-11,2016	ISSN: 2394-739X
28	Carbon steel corrosion inhibition by combined effect of L- Methionine and ZnSO ₄ in aqueous solution: Electrochemical, FTIR, and Statistical study	International Journal of Chemical Concepts	3(4),326-333,2017	ISSN:2395-4256
29	Electrochemical Decolourization process of synthetic toxic azo dyes with in situ electro –generated active chlorine	International Journal of Chem Tech Research	Vol.10, No.4, pp 182-189, 2017	ISSN: 0974-4290
30	Synergistic Effect of Zinc ion on Corrosion Inhibition of Carbon Steel in aqueous solution using L-Methionine	International Journal of ChemTech Research	Vol.10, No.4, pp 143-150,2017	ISSN: 0974-4290
31	Tannery pollution and its effect on the People's Life in Dindigul District	Indian Journal of Natural Sciences	Vol.10/Issue 59/April/2020, Page.No.18828-18823	ISSN: 0976-0997
32	Environmental threat analysis of aquatic toxicity in underground water, Dindigul District	Indian Journal of Natural Sciences	Vol.10/Issue 59/April/2020, Page.No.18814 - 18817	ISSN: 0976-0997

33	Morphological Analysis of Corrosion Inhibition by 2-Carboxyethyl Phosphonic Acid and Zn ²⁺ System on Carbon Steel in Seawater	Indian Journal of Natural Sciences	Vol.10 / Issue 62 / October / 2020 Page.No.28093 - 28099	ISSN: 0976-0997
34	Environmental Impact of Heavy Metals in River Kodaganar of Dindigul District - A Review	Indian Journal of Natural Sciences	Vol.10 / Issue 62 / October / 2020 Page.No.27768 - 27775	ISSN: 0976-0997
35	Hierarchical MnS@MoS ₂ architectures on tea bag filter paper for flexible, sensitive, and selective non-enzymatic hydrogen peroxide sensors	Journal of Alloys and Compounds	Vol.855 (2021), 25 February 2021 Page.No.157103	ISSN: 0925-8388
36	Evaluation of Trees Exposed to Air Pollutants in Traffic and Industrial Sites at Dindigul Town	Indian Journal of Natural Sciences	Vol.11 / Issue 64 / February / 2021 Page.No. 29026 - 29030	ISSN: 0976-0997
37	Physico – Chemical Analysis of Selected Municipal Drinking Water Samples of Dindigul District	Indian Journal of Natural Sciences	Vol.11 / Issue 64 / February / 2021 Page.No. 29053 - 29056	ISSN: 0976-0997
38	Analysis of Vital Physico-Chemical Parameters and Ranking of Ground Water Samples in and Around Dindigul District	Indian Journal of Natural Sciences	Vol.11 / Issue 64 / February / 2021 Page.No. 29057 - 29062	ISSN: 0976-0997
39	Physico-Chemical Assessment of Ground Water Quality in and Around Rajakulam Pond, Dindigul City, Tamilnadu	Indian Journal of Natural Sciences	Vol.12 , Issue 69, pp 35469 – 35472, 2021	ISSN: 0976 – 0997
40	Inhibition of corrosion of mild steel pipeline carrying simulated oil well water by <i>Allium sativum</i> (garlic) extract	International Journal of Corrosion and Scale Inhibition	Vol.10, No. 3, pp 943–960, 2021	ISSN 2305-6894
41	Corrosion mitigation by an eco-friendly inhibitor: <i>Beta vulgaris</i> (beetroot) extract on mild steel in simulated oil well water medium	International Journal of Corrosion and Scale Inhibition	Vol.11, No. 1, pp 82–101,2022	ISSN 2305-6894
42	3D CoMoO ₄ nanoflake arrays decorated disposable pencil graphite electrode for selective and sensitive enzyme-less electrochemical glucose sensors	Microchimica Acta	189:200, pp 1-15, 2022	E ISSN 1436-5073 & Print ISSN 0026-3672

b) National Journals

Sl.No.	Title of the Article	Name of the Journal/Book	Volume, Year & Page No.	ISSN.No.
1	Evaluation of the inhibition effect of L- Cysteine on the Corrosion of Carbon Steel in aqueous medium	JAC Journal of science, Humanities and Management	1(2),2014, pp27-38	ISSN: 2347 - 9868
2	Zinc as a Synergist to L-Glutamic Acid for Corrosion Behaviour of Carbon Steel in Nearly Neutral Aqueous Environment	Journal of Advanced Chemical Sciences	2(3),346-348,2016	ISSN: 2394-5311
3	Corrosion and Anti-Corrosion Effect of Binary Inhibitor L-Aspartic Acid – ZnSO ₄ for Carbon Steel in Aqueous Media	Journal of Advanced Electrochemistry	2(3) (2016) 94–96.	ISSN:2455-0205
4	Assessment of Physico-Chemical Parameters of River Cauvery in and Around Nerur	Journal of Environmental Science and Pollution Research	1(1) (2015) 17–19	ISSN:2455-0272
5	Decolourization of Textile Dye (4-(2-Hydroxy-5-Methylphenylazo) Acetanilide) by Electrochemical Method	Journal of Advanced Electrochemistry	1(1) (2015) 13–15	ISSN:2455-0205
6	A Study of Traffic Related Air Pollution at Dindigul District, Tamil Nadu	Journal of Environmental Science and Pollution Research	1(1) (2015) 6–7	ISSN:2455-0272
7	A Study of Ground Water Quality on the Bank of Santhanavarthini River, Dindigul Town, Tamil Nadu, India	Journal of Environmental Science and Pollution Research	1(1) (2015) 15–16	ISSN:2455-0272
8	Nano analyses of protective film formed by L-alanine-zinc ion system onto carbon steel	Journal of Advanced Chemical Sciences	1 (2) (2015) pp.78–81	ISSN:2394-5311
9	Electrochemical study and spectroscopic methods used for analyzing protective film formed by L-alanine on carbon steel in well water: A green approach	Journal of Advanced Chemical Sciences	1 (2), (2015), pp.59–63	ISSN:2394-5311
10	Synergistic and antagonistic effects of L-alanine as green corrosion inhibitor for	Journal of Advanced Chemical Sciences	1 (2), (2015), pp 45–48.	ISSN:2394-5311

	carbon steel in aqueous medium			
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18. Text Books / Edited Books/ Chapter(s) in Books Published

Sl.No.	Name of the Book	Publisher's Name	Volume & Year	ISBN No.
1	Engineering Chemistry – II (Regulation 2008)	Ayyanar Pathippagam, Dindigul	II & 2013	-
2	Advancements in Engineering and Management Chapter – 3: Literature Investigations of Pollutant Removal Using Low-Cost Adsorbents	Manglam Publications Delhi-110053 (India)	2021	ISBN : 978-93-91193-01-0

19. Patents

Sl.No.	Title of the Invention	Field of Invention	Application No. and Publication Date:	Country
1	Method of Manufacturing Natural Soap Composition Process	Chemical	202241003821 A and 04/02/2022	India

20. a) Research Projects:

Sl.No	Title of the Project	Amount in Rs.	Year	Funding Agency	Project Status Report
1	Trimetallic ZIF Derived Ni/Cu/NC nanocomposites on butter sheet paper as a flexible electrochemical probe for high performance non-enzymatic glucose sensor	Rs.25000/-	One Year (2021 - 2022)	SEED Money (Institution Level) Management of GTN Group of Institution for Research Proposal	Completed

b) Collaborative Research:

Sl.No.	Title of the Project	Collaborative Institutions
1	Rational Development of Electrochemical Sensors with the Nanostructured Materials	Madurai Kamaraj University

21. Citations/ h-index (Scopus, Google Scholar, etc..) as on November 2022:

Number of Citations (Google Scholar) : **Citations - 344**

h-index – 12

i10 index – 15

Number of Citations (Scopus) : Citations – 50
h-index – 4

22. a) Academic Services in Other Institutions:

Sl.No.	Date	Academic Position	Name of the Programme	Name of the Institution
1	From 29.05.2017 to 12.06.2017	Observer	B.Ed/M.Ed Degree Examination	Tamil Nadu Teachers Education University (Center of Examination: RVS College of Engineering, Dindigul)
2	11 th October 2017	Chair Person	International Seminar on New Perspectives in Science and Technology (INPST – 2017)	St.Antony's College of Arts and sciences for Women, Dindigul

b) Other Academic Services in Institution:

Sl.No.	Date	Academic Position	Name of the Programme	Name of the Institution
1	From 11.02.2019 to 15.02.2019	Resource Person	In-service Training Programme for Science teachers Catalyzed and Supported by TNSCST	G.T.N. Arts College (Autonomous), Dindigul
2	From 20.06.2019 to 26.06.2019	Mentor	UGC – Student Induction Programme (SIP)	G.T.N. Arts College (Autonomous), Dindigul
3	From 05.09.2022 to 10.09.2022	Mentor and Committee Member	UGC – Student Induction Programme (SIP)	G.T.N. Arts College (Autonomous), Dindigul

23. Awards / Recognition Received

1. Certificate of Appreciation for Rendering Social Service During the academic year 2018-2019, G.T.N. Arts College (Autonomous), Dindigul
2. Awarded “C.N.R Rao Best Scientist Award 2019-20” from Bose Science Society, TNSRO
3. Received “OWR BEST TEACHER AWARD” from the Orange World Record Organization on 5th September 2020.

24. Online Certificate Courses NPTEL/SWAYAM/MOOCs:

a) National Level

S.No	Duration	Course Title	Score in %	Type of Certificate	Regular FDP/Non - FDP
1	4 Weeks (August	Bioinorganic	94 %	Elite + Gold	FDP*

	– September 2019	Chemistry			
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***FDP – Faculty Development Programme

b) Online Certificate Course: International Level

S.No	Course Title	Organization
1	The Challenges of Global Health	Duke University
2	Epidemics, Pandemics and Outbreaks	University of Pittsburgh
3	Population Health During A Pandemic: Contact Tracing and Beyond	University of Houston
4	COVID-19 Contact Tracing	Johns Hopkins University
5	Infection Prevention in Nursing Homes	The University of North Carolina at Chapel Hill
6	COVID-19: What You Need to Know (CME Eligible)	Osmosis.org

25. Membership in Academic Bodies / Editorial Boards /Reviewer and Board of Studies

1. Journal of Natural Products and Resources (JNPR)
2. Journal of Pharmaceutical and Medicinal Research (JPMR)
3. Journal of Environmental Science and Pollution Research (JESPR)
4. Journal of Advanced Electrochemistry (JAEC)
5. International Journal of Chemical Studies (IJCS)
6. Journal of Nanoscience and Technology (JNST)
7. International Journal of Nano Corrosion Science and Engineering (IJNCSE)
8. Journal of Advanced Chemical Sciences (JACS)
9. Global Journal of Chemistry (GJC)
10. International Journal of Ayurveda and Pharmaceutical Chemistry (IJAPC)
11. World Journal of Pharmaceutical and Life Sciences (WJPLS)
12. Journal of Advanced Physical Sciences (JAPS)
13. JAC Journal of Science, Humanities and Management (JAC – JSHM)
14. Indian Association of Chemistry Teachers (IACT)
15. Life Membership in Bose Science Society (BSS) (Membership Number: - M648/BSS/2019)

26. Paper Setters / Examinership/Paper Valuation in other Institutions

1. Madurai Kamaraj University, Madurai.
2. Gandhigram Rural Institute, Gandhigram, Dindigul
3. SVN College (Autonomous), Madurai.
4. VHNSN College (Autonomous), Virudhunagar.
5. Thiagarajar College (Autonomous), Madurai.
6. The American College (Autonomous), Madurai
7. E.M.G Yadava College for Women (Autonomous).Madurai
8. Jayaraj Annackiam College for Women (Autonomous), Periyakulam

27. Students' Welfare Activities

1. Guidance and counseling
2. Identified the drop outs and motivated them to continue their education

28. Co-curricular / Extra Curricular Activities

1. Coordinator - Fine Arts Club from 2013 to 2018
2. NSS Programme Officers (Unit. No – 132) from 2017 to 2019

29. Academic Activities

1. NIRF Committee Member from June 2018 to Till Date
2. IQAC Member from June 2018 to Till Date
3. CIA Committee Member from June 2018 to 2022
4. Additional Coordinator – DBT Star College Scheme from 2022

30. Social Responsible Activities

1. Awareness Programme on Drug Abuse and Illicit Trafficking
2. Swachhta Pakhwada awareness programme
3. Blood Donation Camp
4. Swachh Bharat Abhiyan 15 day's awareness programme
5. Tree plantation programme
6. Presiding Officer Lok sabha Election - 2014
7. Presiding Officer TN Local Body Panchayat Election 2019
8. Covid – 19 Awareness programme
9. Awareness Programme on Drug Abuse - 2022