

CURRICULUM VITAE

Dr.G.N.Kousalya
Assistant Professor
Department of Chemistry
G.T.N.Arts College
Dindigul

CURRICULUM VITAE

1. Name : Dr.G.N. KOUSALYA
2. Age & Date of Birth : 47 & 04.12.1974
3. Designation & Subject : Assistant Professor of Chemistry
4. Educational Qualification : M.Sc., M.Phil., PhD
5. Date of Appointment : 03.08.2006
6. Date of Retirement : 31.12.2032
7. Spouse Name and Occupation : Dr. M.Rajaram, Assistant Professor of English



8. a) Qualifications – Academic:

Examinations passed	Register Number	Month & Year of passing	Subject	Class with Marks or Grade	Name of the College/University
PhD	555	May, 2010	Chemistry	NA	Gandhigram Rural University, Gandhigram
M.Phil	99591002	June 2000	Chemistry	I Class	Alagappa University, Karaikudi
M.Sc	9557325	November 1997	Chemistry	I Class	-Do-
B.Sc	92600271	April 1995	Chemistry	I Class	M.V.Muthiah Government Arts College for Women, Dindigul
H.Sc	716906	March 1992	Maths, Physics, Chemistry, Biology	I Class	St.Joseph's Girls Higher Secondary School, Dindigul
SSLC	104845	April 1990	NA	I Class	St.Joseph's Girls Higher Secondary School, Dindigul

9. Teaching Experience

Sl. No.	Place of Service	Period		Designation
		From	To	
1	R.V.S College of Engineering and Technology, Dindigul	27.09.2000 to 02.08.2006	Lecturer	
2	G.T.N. Arts College, Dindigul	03.08.2006 to till date	Assistant Professor	

10. Total Teaching Experience as on August 2022:

Under graduate	- 22	Years	03	Month
Post Graduate	- 15	Years	11	Months
Research	- 17	Years	0	Months

- 11. Area of Specialization** : i) Teaching - Physical Chemistry, inorganic Chemistry and Organic Chemistry
- ii) Research - Environmental Chemistry / Physical Chemistry

12. Research Experience – M.Phil:

Course	No. of Candidates Awarded	University
M.Phil	36	Madurai Kamaraj Univeristy, Madurai and Bharathidasan University, Trichy

M.Phil. Awarded

Sl. No.	Name of the Candidate with Regn. No.	Year of Passing
1	T.Devi (Regn. No: B 0830002)	2011
2	K.Kousalya (Regn. No: B 0830004)	2011
3	K.Priyadharshini (Regn.No: B0830007)	2011
4	M.Govindaraj (Regn. No: B 0830011)	2011
5	G.Brindha (Regn. No: B 1810631)	2012
6	C.Kavitha (Regn. No: B 1810633)	2012
7	B. Keerthika (Regn. No: B 1810635)	2012
8	A.Priya (Regn. No: B 1810638)	2012
9	S.Uma Maheshwari (Regn. No: B 1810641)	2012
10	J.Amirtha Sirumalar (Regn. No: B 2810601)	2013
11	G.Bhuvaneshwari (Regn. No: B 2810602)	2013

12	A.Christy Catherine Mary (Regn. No: B 2810603)	2013
13	K.P.Yuvaraj (Regn. No: B 2810614)	2013
14	A.Divya Prabha (Regn. No: B 310653)	2014
15	M.Ramani (Regn. No: B 310657)	2014
16	A.Thamizharasi (Regn. No: B 310659)	2014
17	V.Vanitha (Regn. No: B 310660)	2014
18	G.Vimal Deepa (Regn. No: B 310662)	2014
19	A.Anushiya (Regn. No: B 4810750)	2015
20	N,Karthika (Regn. No: B 4810752)	2015
21	S.Narmatha (Regn. No: B 4810758)	2015
22	I.Preetha (Regn. No: B 4810761)	2015
23	J.Juliet Sophia Mary (Regn. No: B 4810751)	2015
24	J.Jesuraj Ravichandran (Regn. No: B 5810913)	2016
25	S.Kanakaraj (Regn. No: B 5810914)	2016
26	V.Karthikeyan (Regn. No: B 5810915)	2016
27	S.Mathivanan (Regn. No: B 5810916)	2016
28	P. Shanmugavel (Regn. No. B5810919)	2016
29	Gowsalya (Regn. No: B 6811153)	2017
30	Karpagam (Regn. No: B 6811155)	2017
31	Malliga (Regn. No: B 6811156)	2017
32	Manimegalai (Regn. No: B 6811157)	2017
33	K.Arun Karthik (Regn. No: 2006PH18080006)	2007

34	A.Jamal Mohammed (Regn. No: 2006PH18080013)	2007
35	N.karthika (Regn. No: 2006PH18080017)	2007
36	S.Thirumalai Kumaran (Regn. No: 2006PH18080060)	2007

13. Research Experience – Ph.D.

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

c) Ph.D. in Progress

Sl. No.	Name of the Candidate with Regn. No.	Title of the Thesis	Date of Registration
1	S. Philip Arockia Raj (Regn. No: P4964)	Sorption and Inhibition Behaviour of Metals Using Bio Synthesis of Nano Composites	03.03.2017
2	K.Karthikkumar (Regn. No. F9926)	Synthesis, Characterization and Application of Bio-Polymerized Dicarboxylic Acids	05.01.2018
3	Mr.S.Rajapandi (Regn. No: F10137)	Phytochemical studies on few selected natural plants and their biological activities	19.12.2018
4	Mr.C.Sivakumar (Regn. No: P5878)	Characterization and applications of green synthesized silver and copper nanoparticles using selected plants – a comparative study	08.11.2019

14. Orientation Course, Refresher, Short Term Courses Attended

Sl. No.	Name of the Institution/University	From	To
1	Orientation Programme - Bharathidasan University, Tiruchirappalli	16.05.2008	12.06.2008
2	Refresher Course – Madurai Kamaraj University, Madurai	10.11.2010	30.11.2010
3	Refresher Course – Madurai Kamaraj University, Madurai	05.11.2013	25.11.2013
4	UGC Sponsored Online Refresher Course, UGC - HRDC of Madurai Kamaraj University	09.12.2020	22.12.2020

15. Seminars/Workshops/Conferences/Symposium - Participation

Sl. No.	Theme of Seminar / Workshops / Conferences/ Symposium	Institution/Organisation	Date
1	International Colloquium on "The Role of Woman Scientists and Technologists in Societal Development"	Anna University, Chennai	10th to 12th March 2005
2	Workshop on "Strategic Management of Environmental Pollution"	Dr.Mahalingam College of Engineering and Technology, Pollachi	3 rd March 2006
3	National Symposium on Environmental Science and Engineering (NSESE - 06)	R.V.S College of Engineering and Technology, Dindigul	5 th March 2006
4	International Conference on "The Challenges and Strategies for the Sustainability of Safe Drinking Water"	Gandhigram Rural University, Gandhigram	25 th to 27 th October 2006
5	National Seminar on "Recent Advances in Chemical Sciences – 2013"	Anna University College of Engineering, Dindigul	20 th February 2013
6	CSIR Sponsored National Seminar on "Modern Trends in Chemistry – Green Chemistry"	PSNA College of Engineering and Technology, Dindigul	23 rd and 24 th February 2014
7	National Conference on "Recent Advances in Water and Waste Water Treatment"	Gandhigram Rural University, Gandhigram	21 st and 22 nd March 2014
8	National Conference on the "Application of the Derivates of Chitin and Chitosan"	Gandhigram Rural Institute, Gandhigram	22 nd and 23 rd August 2014
9	National Workshop on "Advanced Materials for Science and Technology"	Government Arts College (Autonomous), Karur	10 th February 2014
10	National Level Workshop on "Modern Trends in Research Methodology"	Government Arts College (Autonomous), Karur	14 th February 2014
11	UGC Sponsored National Seminar in Recent Advances in Chemistry	G.T.N Arts College, Dindigul	18 th March 2015
12	11 th Asia-Pacific Chitin and Chitosan Symposium	Indian Chitin and Chitosan Society, Cochin, Kerala	28 th to 30 th September 2016
13	One Day FDP on Emerging Trends in "Accessing Electronic Resources"	IQAC, G.TN. Arts College, Dindigul	4 th February 2017
14	One Day Academic Conference and Seminar on "Towards Democratic, Secular and Inclusive Higher Education"	MUTA IV, Palani, Dindigul District	6 th January 2018
15	One Day Workshop on Examinations, Reforms in Higher Education	Office of Controller of Examinations, G.T.N. Arts College, Dindigul	19 th September 2018
16	One Day Workshop on "Outcome Based Education – A Paradigm Shift"	IQAC, G.T.N. Arts College, Dindigul	27 th June 2019

17	One Day FDP on “Unleashing the Potential of Faculty Members – Prepare Oneself Towards API Score	IQAC G.T.N. Arts College, Dindigul	13 th September 2019
18	Framework of Outcome Based Syllabus	IQAC, G.T.N. Arts College, Dindigul	01 st November 2019
19	Microsoft Excel – Global Talent	IQAC, G.T.N. Arts College, Dindigul	01 st November 2019
20	One Day National Level Workshop Writing Research Paper and Publishing in High Reputed Journals “Microsoft Excel – Global Talent	IQAC, G.T.N. Arts College, Dindigul	04 th November 2019
21	One Day National Level FDP on Systematic Review of Literature	Gomsguru Academy, Bangalore	8 th May 2022

WEBINARS Participated

S.No	Date	Webinar Category	Title	Organization
1	21.04.2020 & 30.04.2020	WORKSHOP	10 Day Online Workshop for Teachers- E-Content	Universal Teachers Academy, Puducherry, India.
2	14.05.2020 & 15.05.2020	FDP	Outcome Based Curriculum Design	V.V.Vanniaperumal College for Women, Virudhunagar.
3	16.05.2020 & 18.05.2020	FDP	E-Content Design and Development	United School of Design and Communication & G.T.N Arts College, Dindigul.
4	21.05.2020	Webinar	Materials for Energy, Environment and Healthcare Applications	The Gandhigram Rural Institute-DTBU, Gandhigram, Dindigul.
5	25.05.2020 & 26.05.2020	FDP	Project Proposal for Funding Agencies (UGC Stride & ICCSSR Impress): Preparation & Submission Protocol	Tamil Nadu Teachers Education University, Karapakkam, Chennai.
6	30.05.2020	WORKSHOP (MHRD)	Moodle Learning Management System	The Gandhigram Rural Institute & IIT Bombay.
7	12.06.2020	FDP	Teacher the Ultimate & New Challenges in International Trade	Dhanalakshmi Srinivasan Engineering College, Perambalur.
8	25.06.2020	Webinar (DST – FIST Sponsored)	Metal – Ligand Multiple Bonded Compounds	Ayya Nadar Janaki Ammal College

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

Sl. No.	Title of the Paper	Seminar / Workshop / Conference	Institution where Attended	Year
1	“Gender Bias in the Socio-Scientific Environment in India: A Discussion”	International Colloquium on “The Role of Woman Scientists and Technologists in Societal Development”	Anna University, Chennai	10th to 12th March 2005
2	“Making Environmental Education Course Mandatory for Future Scientists and Technocrats”	National Conference on Integrating Humanistic Values and Social Concerns with Technical Education	PSG College of Technology, Coimbatore	24 th and 25 th February 2006
3	“Heavy Metal Pollution due to Dumping of Solid Waste in an Industrial Area of Dindigul Town, Tamil Nadu”	International Conference on “The Challenges and Strategies for the Sustainability of Safe Drinking Water”	Gandhigram Rural University, Gandhigram	25 th to 27 th October 2006
4	“Sorptions of Cu (II) and Cr (VI) using Novel Bioinorganic Hybrid Polymeric Composites”	The International Conference on “The Materials For the Millennium – Mat Con 2010.”	Cochin University of Science and Technology, Kochi, Kerala	11 th to 13 th January 2010
5	“Synthesis of Nano Hydroxyapatite - Chitosan Bioinorganic Hybrid Polymeric composite for Selective Chromium Sorption” - Paper presented in The International Conference on “Nano Science & Technology”	The International Conference on “Nano Science & Technology”	Indian Institute of Technology, Mumbai, India	February 17 th to 20 th 2010
6	“Removal of Copper(II) from aqueous solution by Adsorption on Papaya Seed and Grape Seed Carbons – A Comparative Study”	The International Conference on “Science and Technology for Clean and Green Environment 2012”	Annamalai University, Annamalai Nagar	27 th and 28 th July 2012
7	“Copper Sorptive features of Nano-Hydroxyapatite/Chitin Composite”	Chemical Research Society of India Sponsored National Symposium in Chemistry “12th CRSI National Symposium in Chemistry”	Indian Institute of Chemical Technology, IIT, Hyderabad	4 th to 7 th February 2010
8	“Encompassing Erudition as a Solution for Environmental Existence”	the National Seminar on Environmental Awareness and Research for Sustainable Development	Annamalai University, Annamalai Nagar	20 th and 21 st August 2010

9	“Adsorption of Iron (III) from Aqueous Solution using Low Cost Adsorbent”	UGC Sponsored National Conference on Emerging Trends in Chemistry	Bishop Heber College, Trichy	11 th January 2012
10	“Advanced Materials and Techniques in the Field of Chemistry”	National Conference on Basic Sciences and ELT	Dr.Sivanthi Adithanar College of Engineering, Tiruchendur	27 th February 2012
11	“Kinetic Study of Adsorption of Fe(III) by Biopolymers”	National Seminar on “The Widening Horizons of Chemistry”	Arulmugu Palaniandavar Arts College for Women, Palani	11 th February 2013
12	“Removal of Eriochrome Black –T from Solutions using Seashell as an Adsorbent”	National Seminar on “Recent Advances in Chemical Sciences – 2013”	Anna University College of Engineering, Dindigul	20 th February 2013
13	“Preparation and Characterization of Multifunctional Chitosan Beads for Uptake of Copper (II)”	CSIR Sponsored National Seminar on “Modern Trends in Chemistry – Green Chemistry”	PSNA College of Engineering and Technology	23 rd and 24 th February 2014
14	“Evaluation of Drinking Water and Soil Quality Parameters from Selected Area”	CSIR Sponsored National Seminar on “Modern Trends in Chemistry – Green Chemistry”	PSNA College of Engineering and Technology, Dindigul	23 rd and 24 th February 2014
15	“Environmental Quality of Drinking Water and Soil from Selected Areas”	CSIR Sponsored National Seminar on “Modern Trends in Chemistry – Green Chemistry”	PSNA College of Engineering and Technology, Dindigul	23 rd and 24 th February 2014
16	“Kinetic Study of Cu(II) by Adsorption by Biopolymers”	National Seminar on “Recent Trends in Chemistry”	Government Arts College (Autonomous), Karur	28 th February 2014
17	“Evaluation of Adsorption Studies on the Removal of Orange Red using Flax Seeds”	National Conference on “Recent Advances in Water and Waste Water Treatment”	Gandhigram Rural University, Gandhigram	21 st and 22 nd March 2014
18	“Removal of Eriochrome Black – T in Aqueous Solution by Waste Generated from Citrus Lime Tiles”	National Conference on “Recent Advances in Water and Waste Water Treatment”	Gandhigram Rural University, Gandhigram	21 st and 22 nd March 2014
19	“Studies on the Removal of Methyl Orange by Adsorption using Egg Shells as a Biosorbent”	National Conference on “Recent Advances in Water and Waste Water Treatment”	Gandhigram Rural University, Gandhigram	21 st and 22 nd March 2014

20	"A Study of Removal of Hexavalent Chromium from Aqueous Solution by Adsorption using Gooseberry Seeds and Amla Seeds"	National Seminar on "Newer Perspectives in Nano and Green Chemistry"	P.S.N.A College of Technology, Dindigul	24 th and 25 th July 2014
21	"Adsorption of Chromium (VI) from Aqueous Solution by using Papaya Seeds and Gram Seeds"	National Seminar on "Newer Perspectives in Nano and Green Chemistry"	P.S.N.A College of Technology, Dindigul	24 th and 25 th July 2014
22	"Synthesis, Characterization and Cr(VI) Uptake Study of Polyallylene Coated Chitin"	National Conference on the "Application of the Derivates of Chitin and Chitosan"	Gandhigram Rural Institute, Gandhigram	22 nd and 23 rd August 2014
23	"Characterization of Cobalt, Tungsten Alloy Electro Deposition"	UGC Sponsored National Seminar in Recent Advances in Chemistry	G.T.N Arts College, Dindigul	18 th March 2015
24	"Studies on Molecular Modeling of an Anti-Tubercular Drug of Cycloserine"	UGC Sponsored National Seminar in Recent Advances in Chemistry	G.T.N Arts College, Dindigul	18 th March 2015
25	"Sorption and Inhibition Studies of Dyes"	National Conference on Botanical and Phytochemicals: The Challenges and Promise for Healthcare and Drug Development	Jacob Memorial College, Ambilikai	4 th February 2016
26	"Inhibition Behaviour of Carbon Steel in Sea Water by Dicarboxylic Acid"	TNSCST Sponsored International Conference on "Materials and Technology"	SRNM College, Sattur	9 th March 2017
27	"Removal of Food Dye Using Polymer Composites by Adsorption Studies"	Symposium on Inorganic Chemical Biology	Madurai Kamaraj University, Madurai	17 th and 18 th March 2017
28	"Synthesis, Characterization and Anti-Microbial Activity of Silver Nano Particles"	Emerging Trends in Exploring Phytochemicals and Biomolecules for Disease Cure	Rev.Jacob Memorial Christian College, Ambilikai	06 th February 2018
29	"Synthesis, of copper nanoparticles from acahypha indica leaf aqueous extract and its antibacterial activity"	National Conference On Recent Trends In Solar Energy And Nanoscience	G.T.N Arts College	08 th March 2018

30	Corrosion Inhibition Of Carbon Steel By Eclipta Prostrate Leaves Extracts In Ground Water Around Dindigul District, Tamil Nadu, India	National Conference On Recent Trends In Solar Energy And Nanoscience	G.T.N Arts College	08 th March 2018
31	Pithecellobium Dulce Fruits As A Green Corrosion Inhibitor In Acid Medium	National Conference On Recent Trends In Solar Energy And Nanoscience	G.T.N Arts College	08 th March 2018
32	“Synthesis, Characterization and Anti-Microbial Activity of Copper Nano Particles”	International Conference on Modern Trends in Chemistry	Vivekananda College, Tiruvedakam, Madurai	23 rd February 2018
33	“Removal Of Rosaniline Dye Using Low-Cost Eco-Friendly Plant Charcoal From Various Plants By Adsorption Method	International Conference on chemical and environmental research	Jamal Mohamed College (Autonomous), Tirchirappalli	19 th December 2018
34	Green Synthesis Of Silver Nano Particles By Using Cassia Alata Leaves And Their Biological Activity	International Conference on Nanomedicine	Madurai Kamaraj University, Madurai	25 th and 26 th February 2019
35	Synthesis Of Copper Nanoparticles From Polyalthia Longifolia Leaf Aqueous Extract And Its Antibacterial Activity	International Conference on Nanomedicine	Madurai Kamaraj University, Madurai	25 th and 26 th February 2019
36	Synthesis of Copper Nanoparticles from Acalypha Indica Leaf Aqueous Extract and its Antibacterial Activity	International Conference on “Emerging Trends in Science, Technology and Mathematics	Parvathy’s Arts and Science College, Dindigul	22 nd August 2019
37	“Green Synthesis Of Silver Nanoparticles And Phytoconstituents Screening of Lantana Camara Extract and Its Biological Activity”	National Conference on “Natural Sciences” organized by BOSE Science Society	Pushkaram College of Agriculture Sciences, Pudukkottai	24 th August 2019

38	Phytochemical Analysis and Green Synthesis of Silver Nano Particles of Lantana Camara Stem Extract and its Biological Activity	International Conference on “Emerging Trends in Chemical Sciences	Arulmigu Palaniandavar Arts College for Women, Palani	06 th September 2019
39	Hazards due to Deficiency of Essential Minerals in Bottled Drinking Water	10 th National Youth Science Conference for sustainable development organized by BOSE Science Society	Pushkaram College of Agriculture Sciences, Pudukkottai	28 th February 2020

17. Seminars/Workshops/Conferences/Symposium – Organized

1	Organized a UGC Sponsored National Seminar on ‘Recent Advances in Chemistry’ as Organizing Secretary for the programme at G.T.N. Arts College, Dindigul on 18.03.2015.
2	Organizing Committee Member – Co-ordinator for the Lecture Workshop on “Recent Advances in Chemistry” on 8 th March 2016 at G.T.N. Arts College, Dindigul
3	As IQAC Member, Organized “Faculty Development Programme on E-Content Development and ICT, Enabled Education” on 16 th February 2016
4	As IQAC Member, Organized a One Day State Level Workshop on “Quality Enhancement in Thesis Writing Using LateX” on 22 nd February 2016
5	As IQAC Member, Organized Programme on “Conselling on Challenges and Problems of Students in the 21 st Century” in association with Career and Guidance Cell on 15 th March 2016
6	Advisory Committee Member, organized One Day International Seminar on “Research Process Easier, Effective and For a Qualitative Research” on 28 th February 2017
7	Organizing Committee Member – for the UGC – Autonomy Grant Sponsored National Conference On Resent Tends In Solar Energy And Nanoscience on 8 th March 2019 at G.T.N. Arts College, Dindigul
8	Conducted the Dengue Awareness Programme for the college students jointly organized with Public Health Department Dindigul on 17 th July 2019 at G.T.N. Arts College, Dindigul
9	Organized – Celebration of world Pharmacy Day on 25 th September 2019 at G.T.N. Arts College, Dindigul
10	Organized – Celebration of National Blood Donation Day on 1 st October 2019 at G.T.N. Arts College, Dindigul
11	Conducted the District Level Inter School Science Exhibition for the school students on 05 th November 2019 at G.T.N. Arts College, Dindigul.

12	Conducted a guest lecture on history of homeopathy and importance of lipids on 30 th January 2020 at G.T.N. Arts College, Dindigul.
13	Conducted the corona virus Awareness Programme for the students of chemistry department and G.T.N. Paramedical Institute jointly organized with Public Health and Family Welfare Department Dindigul on 7 th February 2020 at G.T.N. Arts College, Dindigul
14	Organized a 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	Organized a One Day National Level Seminar on “Recent Advances in Chemistry” on 13 th March 2020 at G.T.N. Arts College (Autonomous), Dindigul.
16	Organizing Secretary for the National level Webinar on “Organic Reagents for Competitive Examinations” conducted by the Department of Chemistry, G.T.N Arts College (Autonomous), Dindigul on 12 th May 2020.
17	Organized a One Day Webinar on “New Insights on the Green Synthesis of Nanoparticles using Agro and Other Wastes” on 31 st October 2020.
18	Organized National Science Day and World Sustainable Energy Day on 17/03/2021.
19	Organized an awareness programme on “A View on Vulnerability of Cancer in Present Scenario” in association with Department of Zoology on 04/02/2021 as part of World Cancer Day.
20	Organized a campus placement drive with Anthem Biosciences a MNC Bangalore 12/08/2021.
21	Conducted a Corona Awareness Rally from College campus to Seelapadi Village on 04/09/2021.
22	Organized a Hands on Training Programme on Preparation of Sanitizer on 18/09/2021.
23	Organized a Special Lecture on Entrepreneurship Skill Attitude and Behaviour Development on 13/11/2021 in association with Institution’s Innovations Council.
24	Organized a webinar on application of NMR Spectroscopy and Chromatography in pharmaceutical chemistry in association with IIC On 21/5/2021.
25	Organized an Awareness Programme among students of G.T.N Arts College (Autonomous), Dindigul on National Pollution Prevention Day on 02/12/2021.
26	Organized a Webinar on Identifying intellectual property component at the early stage of innovation in collaboration with IIC on 10/01/2022.

27	Organized a Research Colloquium on Recent trends in Research Methodology and Publications in collaboration with R&D Cell on 25.02.2022.
28	The Departments of Mathematics, Physics, Chemistry, Zoology, YRC and Science Communication Club in association with Institution's Innovation Council celebrated the National Science Day_on 28/02/2022.
29	Organized a One Day International Seminar on Sustainable Development and Natural Resources in Collaboration with Tamilnadu Science and Technology Centre on 22/03/2022
30	Organized a Webinar on Innovation in Material Technology on 27/05/2022 in association with IIC
31	Organized a Webinar on "How to Commercialize Faculty/Student Projects into Commercially viable Start-up/products at the Campus in association with IIC on 27/08/2022.
32	Organized -Inauguration of Alchimista Association and organize a Guest Lecture on Medicinal Chemistry -Traditional Medicines on 26/10/2022
33	Organized a One Day Seminar on "Low-Cost Solar Cells for Electrification of Rural And Tribal Areas in India" on 07/11/2022

18. List of Publications International Journals

Sl. No.	Title of the Article	Name of the Journal	Volume, Year, Page No.	ISSN No.	Impact Factor	Scopus Index Yes / No
1	Synthesis of nano hydroxyapatite chitin/chitosan hybrid biocomposites for the removal of Fe(III)	<u>Carbohydrate Polymers</u>	82 (2010) 594-599	0144-8617	Impact Factor 3.463	YES
2	Sorption of chromium (VI) using modified forms of chitosan beads	<u>International Journal of Biological Macromolecules</u>	47 (2010) 308-315	0141-8130	Impact Factor 2.502	YES
3	Preparation and metal uptake studies of modified forms of chitin	<u>International Journal of Biological Macromolecules</u>	47 (2010) 583-589	0141-8130	Impact Factor 2.502	YES
4	Removal of toxic Cr(VI) ions from aqueous solution	<u>Adsorption Science and Technology</u>	28 (2010) 49-64	0263-6174	Impact Factor 0.559	

	using nano-hydroxyapatite based chitin and chitosan hybrid composite					
5	Preparation of modified chitin for the removal of chromium (VI)	<u>Bioremediation Journal</u>	14 (2010) 203-213	1088-9868		
6	Sorption of Fe (III) using modified forms of chitosan beads	<u>Journal of Applied Polymer Science</u>	124, (2012) 1858-1865	0021-8995	Impact Factor: 1.240	YES
7	Sorption behaviour of copper on chemically modified chitosan beads from aqueous solution	<u>Carbohydrate Polymers</u>	83 (2011) 1082-1087	0144-8617	Impact Factor 3.463	YES
8	Removal of copper (II) using chitin/chitosan nano-hydroxyapatite composite	International Journal of Biological Macromolecules	48 (2011) 119-124	0141-8130	Impact Factor 2.502	YES
9	Removal of Fe (III) using ceramic based chitin and chitosan hybrid biocomposites	<u>Asian Chitin Journal</u>	6, 2010, 22	0973-3345		
10	Sorption of Cr (VI) using modified forms of Chitin	<u>Asian Chitin Journal</u>	6, 2010, 36	0973-3345		
11	Synthesis, Characterization and Cr(VI) Uptake Study of Polyiline Coated Chitin	<u>Asian Chitin Journal</u>	10. December 2014	0973-3345		
12	Removal of Malachite Green from Aqueous Solution by Adsorption Studies Using Orange Peel as an Adsorbent	<u>Int. Journal of Multidisciplinary Researches</u>	Vol - 1.1 February 2015, 14-18	2349-8684		
13	A Study of Removal of Chromium (VI) from Aqueous Solution by Adsorption on Coffee Waste	<u>Int. Journal of Multidisciplinary Researches</u>	Vol - I.2, February 2015, 141 - 145	2349-8684		
14	Removal of Phenol from Aqueous	<u>Int. Journal for Innovative</u>	2, 2016, 10	2455-0620		

	Solution using Duolite- A - 17,1 Duolite - A - 368 plus and Duolite-S-861 Polymeric Resins	<u>Research in Multidisciplinary Field</u>				
15	Removal of Phosphate from Aqueous Solution by Adsorption using Abutilon Indium Seeds and its Peels - A Comparative Study	<u>The Int. Journal of Nano Corrosion Science and Engineering</u>	Vol-3 Issue4, October 2016, 546-557.	2395-7018		
16	Removal of Food Dye using Cross-linked polymer by Adsorption Studies	<u>Int. Journal of Nano Corrosion Science and Engineering</u>	Vol (IV), Issue (IV), October 2017	2395-7018		
17	"Synthesis, Characterization and Anti-Microbial Activity of Titanium Nano Particles	<u>World Journal of Pharmaceutical Research</u>	Vol 7,, Issue 8 2018	2277-7105		
18	"Optimization of Biosynthesis of Silver Nanoparticles using Water Melon"	<u>Int. Journal of Nano Corrosion Science and Engineering</u>	Vol (III), 2018	2395-7018		
19	"Evaluation of Drinking Water Quality Parameter from Dindigul Surroundings"	<u>Int. Journal of Innovative Research in Science, Engineering and Technology</u>	Vol (VII), Issue 8, September 2018	2437-6710		
20	Roots Extract Mediated Green Synthesis Of Copper Nano Particles Using Acorus Calamus And Its Characterization	<u>World Journal of Pharmaceutical Research,</u>	Vol (VIII), Issue 9, 2019	2277-7105		
21	Cross linking of chitosan with sebacic acid and its characterization	<u>Alochana Chakra Journal</u>	Vol (IX), Issue 6, June 2020	2231-3990		
22	Studies on the adsorption mechanism of nickel ions by a cross-linked polymer	<u>International journal of Pharmaceutical Science Review and Research</u>	29-07-2020	0976-044X		
23	Phytochemical Analysis of Asparagus	<u>International Journal of Pharma</u>	Vol 12 Issue 3			

	Acutifolius, Agave Americana, Quercus Virginiana, Spiraea Douglasii by Qualitative Approach	<u>and Bio Sciences</u>	05-07-2021			
24	Green Synthesis of Silver Nano Particles Using <i>Mimusops Elengi</i> Leafs Extract and its Characterization	<u>International Journal of Innovative Research in Science, Engineering and Technology</u>	Volume 11. Issue 1 January 2022	2347-6710		
25	Phytochemical Screening Test for Four Different Medicinal Plants and their Wound Healing Activity by Herbal Formulation	<u>International Journal of Innovative Research in Science, Engineering and Technology</u>	Volume 11. Issue 1 January 2022	2347-6710		
26	Novel green synthesis of N-doped carbon dots from fruits of opuntia ficus Indica as an effective catalyst for the photocatalytic degradation of methyl orange dye and antibacterial studies	<u>International Journal of Inorganic chemistry Communication</u>	Volume 146. December 2022			

National Journals

Sl. No.	Title of the Article	Name of the Journal/Book	Publisher Name	Volume, Year & Page No.	ISSN No.	Impact Factor	Scopus Index Yes / No
1	Cobalt Tungsten Alloy –Electro deposition and Characterization	<u>Indian Journal of Chemical Technology</u>		November 2002, Volume IX			
2	Preparation, Synthesis, Characterization and Antimicrobial Activity of Silver Nanoparticles	<u>Indian Journal of Natural Sciences</u>		Vol13, Issue 72/ June/2022	0976-0997		
3	Preparation Synthesis	<u>Indian Journal of Natural Sciences</u>	Volume 13. Issue	0976-0997			

Characterization and Antimicrobial Activity of silver Nanoparticles		72 June 2022				
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19. Text Books / Edited Books / Chapter(s) in Books Published

Sl. No.	Name of the Book	Publisher's Name	Volume & Year	ISBN No.
1	"A Text Book of Modern Physical Chemistry Concepts"	Ryan Publisher.	May 2022	ISBN: 978 -93 - 93253 -62 -0
2	<u>Engineering Chemistry</u>	Sri Senthil Andavar Publications	2002	
3	<u>Practical Chemistry</u>	Sri Senthil Andavar Publications	2002	

Articles in Proceedings

4	<u>Recent Advances in Surface Science</u>	Bonfring, Coimbatore,	"A STUDY ON THE REMOVAL OF COPPER (II) FROM AQUEOUS SOLUTION BY ADSORPTION USING THE CARBON OF PAPAYA SEEDS AND GRAPE SEEDS" 2013	ISBN 978-93-82338-36-9,
5	<u>Journal of Botanical and Phyto Chemicals: The Challenges and Promise for Healthcare and Drug Development</u>		"Sorption and Inhibition Studies of Dyes" February 2016	ISBN 978-93-82323-60
6	<u>Recent Advances in the Applications of Macro Molecular Materials</u>		"Inhibition behaviour of Mild Steel in Sea Water by Dicarboxylic Acid" March 2017	978-958539942-8
7	<u>Climate Change, Environment and Agricultural Development in India</u>	Shanlax Publications	"Corrosion Inhibition Behaviour of Thapsic Acid" July 2017	978-93-86537-88-1

20. Academic Services in Other Institutions

Sl. No.	Date	Name of the Programme	Name of the Institution
1	26.07.2018	Nominated as Expert to evaluate final report of UGC – Major Research Project	Anna Univeristy – University College of Engineering, Dindigul
2	03.09.2015	Acted as Resource Person and delivered the Inaugural Address in the Chemistry Association	Sri Saibharath College of Arts and Sciences, Oddanchathiram
3	11.02.2019 and 15.02.2019	Acted as a Resource Person in the INSERVICE TRAINING PROGRAMME FOR SCIENCE TEACHERS catalyzed and supported by Tamilnadu State Council for Science and Technology (TNSCST)	G.T.N. Arts College (Autonomous), Dindigul
4	28.02.2019	Acted as a Resource Person and delivered a Special Lecture on Scope and Careers in Chemistry	Amman College of Arts and Science, Dindigul
5	26.07.2018	Expert committee member to evaluate the final report of UGC Major Research Project at Anna University.	Anna university college of Engineering, Dindigul.
6	12.03.2020	Acted as a resource person in the One Day National Conference on “Emerging Trends in chemical sciences-2020”	Sacred Heart College of Arts and Science

21. Awards / Recognition Received

Sl. No.	Awards / Recognition	Institutional Level	State Level	National Level	International Level
1	“Removal of Copper (II) using Chitin/Chitosan nano-hydroxyapatite composite, <u>International Journal of Biological Macromolecules</u> , 48 (2011) 119-124” Most read article in <u>International Journal of Biological Macromolecules</u> in 2011				√
2	“Preparation of modified Chitin for the removal of Chromium (VI), <u>Bioremediation Journal</u> , 48 (2011) 119-124” Most read article in <u>Bioremediation Journal</u> in 2012				√
3	Awarded “C.N.R Rao Best Scientist Award 2019-20” from Bose Science Society, TNSRO			√	

4	Received “ OWR BEST TEACHER AWARD ” from the Orange World Record Organization on 5 th September 2020.			√	
5	Received “ Best Educator Award ” From National Conference on SMART SUMMIT – 2021, Madurai on 19 th June 2021.			√	
6	Received “ Distinguished Scientist Award ” from In the International Scientist award on Engineering, Science and Medicine, Pondicherry on 08 th August 2021				√
7.	Received “ India Inspirational Women Awards 2021 on 20 th August 2021				
7	Received Indian Patent for Method of manufacturing natural soap composition process Indian Patent Number: 202241004388 Published on 04.02.2022			√	
8	First Position in top ten profiles IRINS-GTN Arts College.	√			

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

1. Life Member, Indian Desalination Association
2. Life Member, Indian Society for Technical Education.
3. Life Member, Chitin and Chitosan Association.
4. Academic Council Member
5. Life Membership in Bose Science Society (BSS)
6. Life Membership in Fellow of Bose Science Society

23. Paper Setters / Examiner ship in other Institutions

1. Gandhigram Rural Institute Deemed University, Gandhigram
2. G.V.G. Visalakshi College for Women, Udumalpet
3. Thiagarajar College, Madurai
4. VVVanniperumal College for Women, Virudhunagar
5. S.Vellaichamy Nadar College, Madurai
6. Standard Fire Works Rajarathinam College for Women, Sivakasi
7. Sourashtra College, Madurai
8. Bishop Heber College, Tiruchirappalli
9. Gandhigram Rural Institute-Deemed University-M.Phil External Examiner
10. Barathidasan University-M.Phil External Examiner

24. Students’ Welfare Activities

1. Organized a **Free Eye Camp** in Association with Aravind Hospitals, Madurai and Dindigul District Blindness Prevention Association on 22 September 2011
2. Organized a **Health Awareness Programme on the “Benefits of Acupuncture Treatment”** in Association with Indian Institute of Social and Educational Development on 03 March 2011
3. Organized the **International Women’s Day Celebrations** as Programme Officer for N.S.S Unit on at G.T.N. Arts College, Dindigul on 14 March 2011

25. Co-curricular / Extra Curricular Activities in the College

1. N.S.S Programme Officer (2010-2011)
2. IQAC Member (2015-2017)

Online Certificate Courses NPTEL/SWAYAM/MOOCs

S.No	Duration	Course Title	Score	Type of Certificate	Regular FDP/Non FDP -
1	4 Weeks (August – September 2019)	Bioinorganic Chemistry	91	Elite + Gold	FDP

***FDP – Faculty Development Programme

26. Social Responsible Activities

1. Organized an **Awareness Programme on Drug Abuse entitled “Drug Abuse and Illicit Trafficking”** in association with Tamilnadu Police, NIB CID, Dindigul at G.T.N. Arts College, Dindigul on 10.03.2014.
2. Conducted the Dengue Awareness Programme for the college students jointly organized with Public Health Department Dindigul on 17th July 2019 at G.T.N. Arts College, Dindigul
3. Conducted the Corona virus Awareness Programme for the students of chemistry department and Paramedical jointly organized with Public Health and family welfare Department Dindigul on 7th February 2020 at G.T.N. Arts College, Dindigul.
4. Conducted a Corona Awareness Rally on 04/09/2021.

5. Organized Village Adoption programme and created awareness to the people regarding Central Government Schemes in association with Public Relations Department of Dindigul District Administration on 09/05/2022 and 18/05/2022.
6. Created a Drug Awareness among people residing around G.T.N. Arts College (Autonomous), Dindigul and distributed the pledge on Anti-Drug usage as instructed by the Chief Minister of Tamilnadu.

	All	Since 2016
<u>Citations</u>	662	334
<u>h-index</u>	8	8
<u>i10-index</u>	8	8

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Kousalya GN, Assistant Professor, [Chemistry](#)

<u>TITLE</u>	<u>CITED BY</u>	YEAR
<input type="checkbox"/> ROOTS EXTRACT MEDIATED GREEN SYNTHESIS OF COPPER NANO PARTICLES USING ACORUS CALAMUS AND ITS CHARACTERIZATION C Sivakumar, AP Rajan, GN Kousalya		2019
<input type="checkbox"/> Selective sorption of Fe (III) using modified forms of chitosan beads MR Gandhi, GN Kousalya, S Meenakshi Journal of Applied Polymer Science 124 (3), 1858-1865	152	2012
<input type="checkbox"/> Sorption behaviour of copper on chemically modified chitosan beads from aqueous solution MR Gandhi, GN Kousalya, N Viswanathan, S Meenakshi Carbohydrate Polymers 83 (3), 1082-1087	135	2011
<input type="checkbox"/> Removal of copper (II) using chitin/chitosan nano-hydroxyapatite composite MR Gandhi, GN Kousalya, S Meenakshi International Journal of Biological Macromolecules 48 (1), 119-124	135	2011
<input type="checkbox"/> Preparation and metal uptake studies of modified forms of chitin GN Kousalya, MR Gandhi, N Viswanathan, S Meenakshi International journal of biological macromolecules 47 (5), 583-589	93	2010
<input type="checkbox"/> Preparation of modified chitin for the removal of chromium (VI) GN Kousalya, MR Gandhi, S Meenakshi Bioremediation journal 14 (4), 208-218	55	2010
<input type="checkbox"/> Synthesis of nano-hydroxyapatite chitin/chitosan hybrid biocomposites for the removal of Fe (III) GN Kousalya, MR Gandhi, CS Sundaram, S Meenakshi Carbohydrate polymers 82 (3), 594-599	40	2010
<input type="checkbox"/> Sorption of chromium (VI) using modified forms of chitosan beads GN Kousalya, MR Gandhi, S Meenakshi International Journal of Biological Macromolecules 47 (2), 308-315	26	2010
<input type="checkbox"/> Removal of toxic Cr (VI) ions from aqueous solution using nano-hydroxyapatite-based chitin and chitosan hybrid composites GN Kousalya, MR Gandhi, S Meenakshi Adsorption Science & Technology 28 (1), 49-64	25	2010

