

# PROFILE

## (I) Personal Information:

<b>Name</b>	<b>Dr. V. RAMASAMY RAJA M.Sc., B.Ed., M.Phil., Ph.D</b>
<b>Designation</b>	Assistant Professor
<b>Department</b>	Department of Chemistry
<b>E-Mail ID</b>	<a href="mailto:ramasamychem1989@gmail.com">ramasamychem1989@gmail.com</a> , <a href="mailto:ramasamyrajat@mannarcollege.ac.in">ramasamyrajat@mannarcollege.ac.in</a>
<b>Contact No</b>	+91-9047052614
<b>Date of Birth</b>	15.06.1989
<b>Date of Appointment</b>	17.06.2019
<b>Date of Retirement</b>	NA
<b>Gender</b>	Male
<b>Address</b>	22.2 Manimegalai Illam, Mankatti Theppa Kulam Road, Melur (T.K) Madurai (D.T) Pin Code: 625 106



## Academic Qualification :

S.No.	Degree	Year of Passing	Subject	Name of the Institution/University
1.	B.Sc Chemistry	2009	Chemistry	Government Arts College/ Madurai Kamaraj University
2.	B.Ed	2010	Physical Science	N.P.R College of Education/TamilNadu Teachers Education University, Chennai
3.	M.Sc Chemistry	2012	Chemistry	Thiagarajar College/ Madurai Kamaraj University
4.	M.Phil Chemistry	2013	Chemistry	The American College/ Madurai Kamaraj University
5.	Ph.D Chemistry	2018	Chemistry	Madurai Kamaraj University

## Ph.D thesis title, Institute/Organization/University and Year of Award:

S.No.	Ph.D thesis title	Field of Specialization	Institute/University	Year of Award (dt/mm/yr) (viva voce date as per syndicate communication)
1.	Synthesis, characterization and evaluation of nanocomposite for photocatalytic degradation of organic pollutants under visible light	Nanotechnology	Madurai Kamaraj University	2018 (20.08.2018)

## (II) Teaching Experience:

S.No	Positions held	Name of the Institute	From	To	Others
1.	Assistant Professor	K.P.N Arts and Science College	June -2018	June-2019	One Year
2.	Assistant Professor	Mannar Thirumalai Naicker College	June-2019	Till date	-----

## (III) Research Experience:

### Reviewer for International journals:

- **Materials Today: Proceedings**-Elsevier publication
- **Journal of Nanostructure**-University of Kashan
- **International Journal of Analytical Chemistry**-Hindawi publication
- **Journal of Nanomaterials**-Hindawi publication.
- **Ionics**-Springer Publication

### Research Field of Specialization:

- Nanotechnology
- Photocatalysis
- Sensors and Biosensors

### Research Publications:

S.NO	TITLE OF THE ARTICLE	IMPACT FACTOR
1.	<b>V. Ramasamy Raja</b> , K.Muthupandi, L.Nithya, "Preparation and Characterization of NiO-WO <sub>3</sub> nanocomposite with enhanced photocatalytic activity under visible light irradiation" <b>Journal of Nanostructures</b> , 12 (2022) 353-365.	0.76
2.	<b>V. Ramasamy Raja</b> , K.Muthupandi, L.Nithya, "Facile synthesis of heterogeneous CdO-NiO nanocomposite with efficient photocatalytic activity under visible light irradiation" <b>Environmental Chemistry and Ecotoxicology</b> , 3 (2021) 76-84.	0.67
3.	A.Karthika, <b>V.Ramasamy Raja</b> , A.Suganthi, M.Rajaraman, "A novel electrochemical sensor for determination of hydroquinone in water using FeWO <sub>4</sub> /SnO <sub>2</sub> nanocomposite immobilized modified glassy carbon electrode" <b>Arabian Journal of Chemistry</b> , 13 (2020) 4065-4081	6.00
4.	<b>V.Ramasamy Raja</b> , A.Karthika, A.Suganthi, M.Rajaraman, "Sonochemical synthesis of Novel ZnFe <sub>2</sub> O <sub>4</sub> /CeO <sub>2</sub> Heterojunction with Highly Enhanced Visible Light Photocatalytic activity" <b>Solid State Ionics</b> , 332 (2019) 55-62.	3.20
5.	A.Karthika, <b>V.Ramasamy Raja</b> , A.Suganthi, M.Rajaraman, "Electrochemical behaviour and voltammetric determination of mercury (II) ion in cupric oxide/polyvinyl alcohol nanocomposite modified glassy carbon electrode" <b>Microchemical Journal</b> , 145 (2019) 737-744.	4.80
6.	K.Rajasulochana, <b>V.Ramasamy Raja</b> , A.Suganthi, M.Rajaraman, "Fabrication of Heterojunction p-LaNiO <sub>3</sub> modified n-TiO <sub>2</sub> as visible light active catalyst for photocatalytic degradation of 4-Chlorophenol" <b>International Journal of Research and Analytical Reviews</b> , 5 (2018) 374z-386z.	7.17
7.	<b>V.Ramasamy Raja</b> , A.Karthika, A.Suganthi, M.Rajaraman, "Facile synthesis of MnWO <sub>4</sub> /BiOI nanocomposites and its efficient photocatalytic and photoelectrochemical activity under visible-light irradiation" <b>Journal of Science: Advanced Materials and Devices</b> , 3 (2018) 331-341.	8.00
8.	<b>V.Ramasamy Raja</b> , D.Rani Rosaline, A.Suganthi, M.Rajaraman, "Ultrasonic assisted synthesis with enhanced visible-light photocatalytic activity of	8.44

	NiO/Ag <sub>3</sub> VO <sub>4</sub> nanocomposite and its Antibacterial activity” <b>Ultrasonics-Sonochemistry</b> , 44 (2018) 73-85.	
9.	<b>V.RamasamyRaja</b> ,D.Rani Rosaline, A.Suganthi, M.Rajarajan, “Facile sonochemical synthesis of Zn <sub>2</sub> SnO <sub>4</sub> -V <sub>2</sub> O <sub>5</sub> nanocomposite as an effective photocatalyst for degradation of Eosin Yellow” <b>Ultrasonics-Sonochemistry</b> , 44 (2018) 310-318.	8.44
10.	<b>V.Ramasamy Raja</b> , D. Rani Rosaline, A. Suganthi , M. Rajarajan, Facile fabrication of PbS/MoS <sub>2</sub> nanocompositephotocatalyst with efficient photocatalyticactivity under visible light, <b>Solid State Sciences</b> , 67 (2017) 99-108.	3.55

*\*(List of papers published, in year wise descending order)*

### Research Articles presented in Conference Proceedings:

S.No	Name of the Programme	Name of the Institution	Title of the paper	Date
1.	International Conference on Frontiers in chemistry and material science	Mannar Thirumalai Naicker College, Madurai-04	Solar facile, Novel synthesis of iron-doped ZnO-Graphitic carbon nitrite under photocatalytic degradation of organic effluents.	19 <sup>th</sup> & 20 <sup>th</sup> Dec 2022
2.	International Conference on Frontiers in chemistry and material science	Mannar Thirumalai Naicker College, Madurai-04	Anthracene derived Schiff base Co (II) as selective colorimetic and fluorescent sensor with cytotoxicity studies and real sample analysis	19 <sup>th</sup> & 20 <sup>th</sup> Dec 2022
3.	Emerging Trends in Engineering Science	Karpagam University, Coimbatore-21	Fabrication of CuO-CeO <sub>2</sub> nanocomposites and its photocatalytic activity under visible Light irradiation	27 <sup>th</sup> May 2022
4.	International Conference on Functional Materials (ICFM- 2017)	Thiagarajar College, Madurai-09	Synthesis and characterization of novel ZnFe <sub>2</sub> O <sub>4</sub> /CeO <sub>2</sub> heterojunction Nanocomposite with enhanced visible-light-driven photocatalytic degradation of malachite green.	07 <sup>th</sup> & 08 <sup>th</sup> Sep-2017
5.	Frontier Areas in Chemical Technologies –(FACTs-2017)	Alagappa University, Karaikudi-03	Novel NiO/Ag <sub>3</sub> VO <sub>4</sub> Composite for Efficient Degradation of Organic Pollutants under visible-light	06 <sup>th</sup> & 08 <sup>th</sup> July-2017
6.	Frontier Areas in Chemical Technologies - 2016(FACTs-2016)	Alagappa University, Karaikudi-03	Fabrication of Novel Zn <sub>2</sub> SnO <sub>4</sub> /V <sub>2</sub> O <sub>5</sub> Composite for degradation of Eosin Yellow under visible light irradiation	21 <sup>st</sup> & 23 <sup>rd</sup> Mar-2016
7.	International Conference Nanomaterials for Energy, Environment, Catalysis and Sensors (ICNEECS– 2015)	Madurai Kamaraj University, Madurai-21	BiOI/CeO <sub>2</sub> Nanocomposites as high-performance photocatalysts for the degradation of Ciprofloxacin Hydrochloride	11 <sup>th</sup> & 12 <sup>th</sup> Dec 2015
8.	Frontier Areas in Chemistry (FAC-2015)	Thiagarajar College, Madurai-09	Efficient photocatalytic degradation of Methylene Blue by PbS/MoS <sub>2</sub> composite under visible light irradiation	26 <sup>th</sup> & 27 <sup>th</sup> Feb 2015

## Programmes Organized:

S.No	Date	Name of the Programme	Role	Name of the Institution
1.	19.12.2022 to 20.12.2022	Second International Conference on Frontiers in Chemistry and Material Science	Organizing Committee	Mannar Thirumalai Naicker College
2.	21.12.2021 to 22.12.2021	International Conference on Frontiers in Chemistry and Material Science	Co-Convenor	Mannar Thirumalai Naicker College

## Awards:

- **The Best Researcher Award (Science)** for the Year 2022-2023 in “**Trio Fiesta**” Felicitation Ceremony for the Honourable Secretary Teachers Day & Awards Ceremony on 5<sup>th</sup> September 2023 Organized by **Mannar Thirumalai Naicker College**, Madurai-04.

## Other Services Rendered in the College:

S. No	Name of the Activity	Period	Remarks
1.	IQAC Member (Criteria-III)	2021	Till Now
2.	Research Promotion & Grants Proposal Committee (Member)	2023	Till Now
3.	Department Club (Chem Spectra Association) (Staff-Co-Ordinator)	2023	Till Now

## Details of Project:

S.No	Funding Agency	Title	Duration	Amount
1.	MTNC College (Institution Sponsored Faculty Research Project)	Fabrication of visible light photocatalytic degradation for organic pollutants and using heterogeneous nanocomposites	2019-2020	Rs.20,000/-
2.	MTNC College (Institution Sponsored Faculty Research Project)	Synthesis, characterization and optical properties of semiconductor nanocomposites for the enhanced photocatalytic and antibacterial activity	2021-2022	Rs.20,000/-
3.	MTNC College (Institution Sponsored Student Research Project)	Development of novel photocatalytic nanocomposites and their environmental application	2022-2023	Rs.12,500/-

**(IV) Other Experience: FDP/Conference/Workshop Attended:  
Faculty Development Programmes (FDP) attended:**

<b>S. No</b>	<b>Name of the Professional Development Programme</b>	<b>Date and No of Days</b>	<b>Name and address of the Institution imparting training</b>
1.	Faculty Enhancement Programme on Insights of National Educational Policy (NEP-2020)	18 <sup>th</sup> March 2023 & 1 Day	Mannar Thirumalai Naicker College, Madurai-04
2.	Faculty Enhancement Programme on Consultancy and Corporate Training	17 <sup>th</sup> March 2023 & 1 Day	Mannar Thirumalai Naicker College, Madurai-04
3.	FDP on Blooms Taxonomy in Teaching and Learning	16 <sup>th</sup> February 2023	SanSnow 's Nobel Professional Foundation
4.	FDP on Research Methodology	2 <sup>nd</sup> to 7 <sup>th</sup> May 2022 & 7 Days	Amar Sewa Mandal's Kamla Nehru Mahavidyalaya-Nagpur
5.	NPTEL-AICTE-FDP-Industrial Inorganic Chemistry	January-April-2022 & 4 Months	Indian Institute of Technology Kharagpur
6.	FDP on Emerging Trends in Chemistry	13 <sup>th</sup> to 15 <sup>th</sup> December 2021 & 3 Days	Kongu Engineering College-60
7.	FDP on Emerging Trends in Nanotechnology	09 <sup>th</sup> to 13 <sup>th</sup> November 2021 & 5 Days	Vishnu Institute of Technology, Bhimavaram-202
8.	FDP on Advanced Materials for future Science	6 <sup>th</sup> to 13 <sup>th</sup> September 2021 & 8 Days	Jeppiaar Engineering College, Chennai-19
9.	FDP on Effective Teaching Techniques and Skills for Career Advancement	23 <sup>rd</sup> to 28 <sup>th</sup> June 2021 & 6 Days	Sao Chang College-Nagaland-12
10.	Faculty enrichment programme on chemical sciences	12 <sup>th</sup> March 2021 & One Day	Vivekananda College, Trichy
11.	FDP on Contemporary Amelioration in Nano Structured Materials	21 <sup>st</sup> to 27 <sup>th</sup> August 2020 & 7 Days	Jeppiaar Engineering College, Chennai
12.	FDP on Materials Science & Nanotechnology	03 <sup>rd</sup> -17 <sup>th</sup> August 2020 & 15 Days	B.S.Abdur Rahman Crescent Institute of Science and Technology, Vandalur
13.	FDP on Research in Energy Technologies	6 <sup>th</sup> – 11 <sup>th</sup> July 2020 & 6 Days	Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune
14.	FDP on Research Opportunities in Advanced Manufacturing Processes	22 <sup>nd</sup> – 28 <sup>th</sup> June 2020 & 7 Days	Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune
15.	FDP on Future Materials: Nanocomposite	15 <sup>th</sup> – 21 <sup>st</sup> June 2020 & 7 Days	Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune
16.	FDP on Advancements in Materials Science	5 <sup>th</sup> – 6 <sup>th</sup> June 2020 & 2 Days	Jeppiaar Institute of Technology, Chennai
17.	FDP on Advanced Molecular Chemistry	1 <sup>st</sup> -3 <sup>rd</sup> June 2020 & 3 Days	Arulmigu Palaniandavar College, Palani
18.	Faculty Enrichment Programme	13 <sup>th</sup> - 19 <sup>th</sup> May 2020 & 2 Days	Mannar Thirumalai Naicker College Madurai-04

## Workshops / Seminars / Conference attended:

S.No	Name of the Programme	Name of the Institution	Date
1.	Smart Materials and its Applications	Sethu Institute of Technology	29 <sup>th</sup> December 2023
2.	Intellectual Property Rights	Mannar Thirumalai Naicker College, Maduari-04	16 <sup>th</sup> -17 <sup>th</sup> October 2023
3.	Faculty Research Programme on Dynamics of Research Publications	Mannar Thirumalai Naicker College, Maduari-04	15 <sup>th</sup> -16 <sup>th</sup> September 2022
4.	Education 4.0 for sustainable Economic Development	Mannar Thirumalai Naicker College , Maduari-04	27 <sup>th</sup> April 2022
5.	Raman Spectroscopy and its applications in Material Science	Sethu Institute of Technology- Virudhunagar	28 <sup>th</sup> January 2022
6.	Emerging Trends in Chemistry	Kongu Engineering College-Erode	13 <sup>th</sup> -15 <sup>th</sup> December 2021
7.	Emerging Materials in Chemistry	Kamaraj College-Thoothukudi	23 <sup>th</sup> October 2021
8.	Copolymer based metal catalyst application for environmental protection	Kumaraguru College of Technology-Coimbatore	12 <sup>th</sup> October 2021
9.	Recent Advances in Chemistry	Govt. G.N.A. PG College-Bhatapara	26 <sup>th</sup> July 2021
10.	Effective Teaching Techniques and Skills for Career Advancement	Sao Chang College, Tuensang, Nagaland.	23 <sup>rd</sup> – 28 <sup>th</sup> June 2021
11.	Climate Change and Human Health Implications	B. S. Abdur Rahman Crescent Institute of Science and Technology-Chennai	5 <sup>th</sup> June 2021
12.	Outcome – Based Education (OBE) and National Assessment and Accreditation Council (NAAC)	G.S.Mandal's Maharashtra Institute of Technology-Nagpur	14 <sup>th</sup> & 15 <sup>th</sup> May 2021
13.	Implementation of NEP 2020 Under AICTE Training and Learning (ATAL) Theme Reinforcing Human Capital through Excellence in Education and Multilingualism	Kalinga University-Chhattisgarh	1 <sup>st</sup> May 2021
14.	Future Generation Solar Cells	Nehru Institute of Technology,Coimbatore	04 <sup>th</sup> July 2020
15.	New Product Design & Development	Samarth Group of Institutions College of Engineering-Pune-10	01 <sup>st</sup> July 2020
16.	Recent Trends in Chemistry	ASC College, Ramanandnagar,Sangli,Maharashtra	27 <sup>th</sup> June 2020
17.	Recent Trends in Sustainable Chemistry-2020	Pachaiyappa's College,Chennai	17 <sup>th</sup> June 2020
18.	Metal Free Photocatalysts for Environment Enhancing	Thiagarajar College, Madurai-04	27 <sup>th</sup> May 2020
19.	Quality Assessment in Higher Education: A Comparison of International Frameworks	Nadar Mahajana Sangam S.Vellaichamy Nadar College, Madurai	25 <sup>th</sup> May 2020
20.	Materials for energy, Environment and Healthcare Applications	The Gandhigram Rural Institute-,Gandhigram	21 <sup>st</sup> -22 <sup>nd</sup> May 2020
21.	Functional Novel Materials for Electrochemical Sensors and Energy Storage Device s	Thiagarajar College, Madurai-04	15 <sup>th</sup> May 2020

**Workshop/Conference/FDP Attended in MTNC:**

<b>S. No</b>	<b>International/ National/ State Level</b>	<b>Title of the Workshop/Conference</b>	<b>Name of the Institution/University</b>	<b>dt/mm/yr</b>
1.	State level	Faculty Enhancement Programme on Insights of National Educational Policy (NEP-2020)	MTNC, Madurai-04	18 <sup>th</sup> March 2023
2.	State level	Faculty Enhancement Programme on Consultancy and Corporate Training	MTNC, Madurai-04	17 <sup>th</sup> March 2023
3.	State level	Faculty Research Programme on Dynamics of Research Publications	MTNC, Madurai-04	15 <sup>th</sup> -16 <sup>th</sup> September 2022
4.	Faculty Enhancement Programme	Education 4.0 for Sustainable Economic Development	MTNC, Madurai-04	27 <sup>th</sup> April 2022
5.	Faculty Enhancement Programme	Enhancing Quality by Unearthing Innovative Practices-EQUIP-2022	IQAC Cluster MTNC and A.P.C Mahalaxmi College	18 <sup>th</sup> to 24 <sup>th</sup> April 2022
6.	National Webinar	Bio diversity – life insurance for our changing world	MTNC, Madurai-04	26 <sup>th</sup> May 2021
7.	State Webinar	Bio Diversity	MTNC, Madurai-04	22 <sup>nd</sup> May 2020
8.	National Webinar	Online National Faculty Enrichment Programme	MTNC, Madurai-04	13 <sup>th</sup> - 19 <sup>th</sup> May 2020
9.	State level	Quality Assurance and Sustenance in Higher Education	MTNC, Madurai-04	11 <sup>th</sup> March 2020
10.	State level	21 <sup>st</sup> Century Skills	MTNC, Madurai-04	5 <sup>th</sup> March 2020
11.	State level	e-Content Development and Digital Tools Usage	MTNC, Madurai-04	29 <sup>th</sup> February 2020
12.	State level	Research Writing and Publications: Theory and Practice	MTNC, Madurai-04	19 <sup>th</sup> October 2019
13.	State level	Outcome Based Education	MTNC, Madurai-04	28 <sup>th</sup> August 2019

## DECLARATION

---

I assure that the above mentioned particulars are authentic to the best of my knowledge and belief.

Date: 08.01.2023

Yours faithfully

Place: Madurai

*V. Ramasamy Raja*

**(Dr. V.RAMASAMY RAJA)**