

Name : **Dr. R.RAMASUBRAMANIAN**

Designation: Assistant Professor/Chemistry

Department : Science and Humanities

UCE- campus name: Anna University Regional Campus-Tirunelveli

Address : Trivandrum Road, Tirunelveli-627 007.

Mail. ID : ramajeyaguru@yahoo.co.in

➤ **Research Area:**

Pharmaceutical Cocystals, Hydro-thermal Synthesis & Crystal Engineering

➤ **Educational Qualifications:**

Qualification	Department	Year (From -To)	Percentage	Class
Ph.D.	Chemistry	2003-2009	--	--
M.Phil.	Chemistry	2001-2002	75.90	First with Distinction
M.Sc.	Chemistry	1998-2000	68.63	First
B.Sc.	Chemistry	1995-1998	73.94	First
HSC	TN State board	1995	78.50	First
SSLC	TN State board	1993	80.80	First

➤ **Experience:**

Name of Company / Institutions	Designation of Post	From	To	Relived on	Experience in Year
Regional Campus of Anna University, Trirunelveli Region	Assistant Professor	22.06.2021	DD-MM-YYYY	In service	3 Years & 11 months
University VOC College of Engineering, ANNA UNIVERSITY, Tuticorin Campus	Assistant Professor	01.08.2014	21.06.2021	21.06.2021	6 Years 10 month & 22 days
Regional Campus of Anna University, Trirunelveli Region	Assistant Professor	26.08.2010	31.07.2014	31.07.2014	3 Years & 11 months
Ipcalaboratories Limited, Mumbai.	Research Executive	11.01.2010	07.07.2010	07.07.2010	5 Months & 27 days
TOTAL					8 years

➤ **Awards /Fellowship:**

➤ **Junior Research Fellow** by DST, Govt. of India, July 2005 - May 2006. (Project title: Novel Platinum Anti-Cancer Compounds: Design, Synthesis and DNA Cleaving Studies)

➤ **Senior Research Fellow** by CSIR, Govt. of India, April 2008 - August 2009.

➤ **Additional / Academic Responsibilities at University:**

- **HOD i/c of Chemistry Department of Regional Campus of Anna University Tirunelveli** (04.04.2012 to 31.07.2014)
- **HOD i/c of Chemistry Department of University VOC College of Engineering Thoothukudi** (12.09.2014 to 09.12.2019)
- **Vice Chairman in Chemistry board** – Central valuation at Zone XX – (2014)
- **Coordinator for Students Stationery Store** in our college (25.05.2016 to 02.07.2019)
- **University Recognized Research Supervisor for Chemistry**-(2014)
- **Doctoral Committee Member- Anna University** (2010 to 2021)
- **Committee Member** in various College functional Committees such as Hostel Mess Committee, Graduation day committee etc.,
- **Faculty advisor** for students (2010 to 2021)
- **Class committee chair person** (2010 to 2020)
- **Assisting to Deputy COE** in producing Exam Time table for University Departments for the academic year -18.07.2011 to 30.06.2012 .
- **CAUR/AUR-Anna University Exams**-(2012 to 2019).
- **SQUAD member** -Anna University Exams-2010 to 2019).
- **External Examiner** -Anna University Laboratory Examinations (2010 to 2021).
- **Affiliation committee member** for Anna University (2012 to 2014).
- **Faculty Incharge for Chemistry** (06.01.2020 to 21.06.2021)
- **Lab Incharge for Chemistry** (06.01.2020 to 21.06.2021)

➤ **Professional Activities:**

- Delivered **Guest lectures** in various Institutions
 1. Engineering Chemistry- Sardar Raja College of Engineering, Tirunelveli (2013)
 2. Chemistry for Day Today Life- District Science Centre, Tirunelveli (2014)
 3. Chemistry for Engineers-SCAD Institute of Technology,Palladam (2017)
 4. Cocrystal-An overview,-APC Mahalaxmi College for Women, Thoothukudi (2018)
 5. Engineering Chemistry-Induction Program at UVOCCE, Thoothukudi-(2019-2020)
 6. Water Technology-Induction Program at UVOCCE, Thoothukudi-(2019-2020)
- Served as **advisory committee member** in conferences and seminars
- Reviewer in Scientific Journal- Crystal Engineering Communication.
- **Coordinator for One day Seminar** National Seminar on Recent Trends in Medicinal Chemistry (NSRTMC-2017) held at Department of Chemistry,University VOC College of Engineering, Thoothukudi on 24.02.2017

➤ **Membership of Scientific and Professional Societies:**

- Life Member (LM92620) of ISTE (from 2013)

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended: (Within India)**

- 1 AICTE/MHRD supported 6-Days online short term Course on Material Characterization Techniques under Quality Improvement Programme, is being conducted by IIT- Indore, from 22.03.2021 to 27.03.2021.
- 2 Three week Industrial Training organized by RGMTTC – BSNL on Basic Science and Communication held from 01.06.2020 to 19.06.2020, at Rajapalayam BSNL office.
- 3 FDTP (2018), “FDTP on MA8151-Engineering Mathematics-I” organized by Centre for Faculty Development, Anna University, Chenna, held at University VOC College of Engineering, Anna University Thoothukudi Campus, Thoothukudi on 18.06.2018 - 25.06.2018 (7 days).
- 4 Off-Campus Outreach Certificate Programme (2018), “Geospatial Modeling for Watershed Management” conducted by Indian Institute of Remote sensing, Indian space research Organisation, Department of space, Government of India during 01.05.2018 to 07.05.2018 (7 days).
- 5 Off-Campus Outreach Certificate Programme (2018), “Geoinformatics for forest fire management” conducted by Indian Institute of Remote sensing, Indian space research Organisation, Department of space, Government of India during 02.04.2018 to 07.04.2018 (6 days).
- 6 Workshop (2018), “TEQIP-III sponsored Two day Workshop on Recent Advances in Materials for Photovoltaic Cells and Energy Storage Devices” organized by Department of Chemistry, Thiagarajar College of Engineering, Madurai during 21.02.2018 - 22.02.2018 (2 day).
- 7 FDP (2017), “AICTE sponsored FDP on Current scenario in Advanced Material Science & Engineering (Nano-Bio 2017) organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore during 30.10.2017 to 12.11.2017 (14 days).
- 8 Seminar (2017), “National Seminar on Recent Trends in Medicinal Chemistry (NSRTMC-2017)” organized by Department of Chemistry, University VOC College of Engineering, Anna University Thoothukudi Campus, Thoothukudi on 24.02.2017 (1 day).-COORDINATOR
- 9 Workshop (2017), “Recent Advancements in Material Science (RAMS-2017)” organized by Department of Physics, University VOC College of Engineering, Anna University Thoothukudi Campus, Thoothukudi on 27.02.2017(1 day).
- 10 FDP (2016), “TEQIP II sponsored FDP on Recent Advancements in Materials (Ram '16) organized by Department of Physics, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli during 11.07.2016 to 24.07.2016 (14 days).
- 11 Workshop (2016), “Crystal and Molecular Structure determination from X-ray Diffraction Measurements (CMSDX 2016)” organized by Centre for Instrumentation and Maintenance Facility (CIMF), Periyar University, Periyar Palkalai Nagar, Salem during 28.03.2016 to 29.03.2016 (2 days).

- 12 Workshop (2015), “TEQIP sponsored one day Workshop on Functional Coatings-Current Trends” organized by Department of Chemistry, Thiagarajar College of Engineering, Madurai on 06.03.2015 (1 day).
- 13 FDP (2015), “TEQIP-II sponsored FDP on Sustainable Technologies for Waste to Energy ” organized by Centre of Excellence for Environmental Studies, Government College of Technology, Coimbatore during 10.08.2015 -14.08.2015 (5 days).
- 14 FDP (2015), “TEQIP II sponsored FDP on Frontiers Research in Applied Sciences (FRAS-15)” organized by Department of Chemistry, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli during 03.06.2015 - 16.06.2015 (14 days).
- 15 Workshop (2014), “Elemental Compound and phase analysis by powder X-ray Diffraction ” organized by Department of Physics, National Institute of Technology, Tiruchirappalli during 19.09.2014 -10.09.2014 (2days).
- 16 FDP (2013), “AICTE-MHRD-TEQIP sponsored FDP on Green Chemistry-Frontiers and Challenges” organized by Department of Chemistry, National Institute of Technology, Calicut, Kerala during 17.06.2013 - 21.06.2013 (5 days).
- 17 Workshop (2013), “NPTEL Workshop” organized by NPTEL-IIT Madras, held at Regional Centre of Anna University, Tirunelveli, funded by MHRD, Govt. of India on 20.04.2013 (1day)
- 18 Orientation Programme (2013), “UGC sponsored Orientation Programme” organized by UGC Academic Staff College, Bharathiar University, Coimbatore during 01.02.2013 - 28.02.2013 (28 days).
- 19 Workshop (2012), “Two week ISTE Workshop on Engineering Thermodynamics” conducted by IIT Bombay, held at Regional Centre of Anna University, Tirunelveli, funded by MHRD, Govt. of India during 11.12.2012 - 21.12.2012 (11 days)
- 20 Workshop (2012), “ISTE Workshop on Aakash for Education” conducted by IIT Bombay, held at Regional Centre of Anna University, Tirunelveli, funded by MHRD, Govt. of India during 10.11.2012 - 11.11.2012 (2 days)

➤ **Publications :**

International Journals:

- 1 **R. Ramasubramanian**, S. Kumaresan, R. Thomas, A. David Stephen, P. Kumaradhas, Synthesis and crystal structure investigation of pyridine-2-(3'-mercaptopropanoic acid)-N-oxide, **2007**, *Cryst. Res. Technol.*, 42(10), 1024–1028.
- 2 **R. Ramasubramanian**, S. Kumaresan, B. Sridhar, A. David Stephen, P. Kumaradhas, *meso*-1,2-Diphenylethylenediammonium bis(squarate), **2007**, *Acta Cryst.*, E63, o3034–o3035.

- 3 M. Indrani, **R. Ramasubramanian**, S. Kumaresan, M. Soriano-García, Synthesis and Single Crystal Structural Characterization of Hexaaquacobalt(II) 1-oxopyridinium-2-thiopropionate, **2007**, *Analytical Sciences*, 23, x127–x128.
- 4 **R. Ramasubramanian**, S. Kumaresan, M. Indrani, A. David Stephen, P. Kumaradhas, B. Z. Awen, Crystal structure of *catena*- Poly[di-aquabarium(II)- μ -aqua- κ^2 O:O-di- μ -1-oxopyridinium-2-thioacetato- κ^4 O:O trihydrate], **2007**, *Analytical Sciences*, 23, x149–x150.
- 5 **R. Ramasubramanian**, M. Indrani, S. Kumaresan, F. R. Fronczek, B. Z. Awen, *meso*-1,2-Diphenylethylenediammonium adipate, **2007**, *Acta Cryst.*, E63, o3800.
- 6 M. Indrani, **R. Ramasubramanian**, S. Kumaresan, Mao-Lin Hu, M. Soriano-García, *catena*-Poly[[aqua[3-(2-pyridyl-sulfanyl)propionate-*N*-oxide- κ^1 O]copper(II)]- μ -[3-(2-pyridylsulfanyl)-propionato *N*-oxide- κ^3 O³:O¹,O¹] dihydrate], **2008**, *Acta Cryst.* C64, m23–m25.
- 7 **R. Ramasubramanian**, M. Indrani, A. David Stephen, P. Kumaradhas, B. Sridhar, S. Kumaresan, Crystal Structure of a Proton-Transfer Self-Associated Compound: Tetrakis(guanidinium)bis(eosinate) hexahydrate, **2008**, *Analytical Sciences*, 24, x243–x244.
- 8 M. Indrani, **R. Ramasubramanian**, S. Kumaresan, S. K. Kang, Min Chen, Miao Du, Hydrothermal synthesis, crystal structures, and properties of Co^{II} and Ni^{III} supramolecular complexes with 2,4,6-trimethyl benzoate and 4,4'-bipyridyl, **2008**, *Polyhedron*, 27, 3593–3600.
- 9 M. Indrani, **R. Ramasubramanian**, F. R. Fronczek, N. Y. Vasanthacharya, S. Kumaresan, Self-assembly of three new coordination complexes: Formation of 2-D square grid, 1-D chain and tape structures, **2009**, *J. Mol. Struct.*, 931, 35–44.
- 10 M. Indrani, **R. Ramasubramanian**, F. R. Fronczek, D. Braga, N. Y. Vasanthacharya, S. Kumaresan, Supramolecular network formed through O–H \cdots O and π - π stacking interactions: Hydrothermal syntheses, characterization and crystal structures, **2009**, *J. Chem. Sci.* 121(4), 413-420.
- 11 S. Kumaresan, M. Indrani, **R. Ramasubramanian**, R. Subha, P. Esakki Karthik, S. Athavan and F. R. Fronczek, Synthesis and XRD characterization of the organic cocrystals, β -phenylpropionic acid:Caffeine and Benzoic acid:4,4'-bipyridine, 2010, *International Journal of Current Chemistry*, 163-174.

National Journals:

- 1 N. Kannan, **R. Ramasubramanian**, Removal of Phenylacetic and Phenoxyacetic Acids by Flyash–Coal Blend: A Comparative Study, **2001**, *Indian J. Env. Prot.*, 21(12), 1064–1069.

➤ Conferences

a. International Conferences

1. **R. Ramasubramanian**, S. Kumaresan, M. J. Zaworotko, F. R. Fronczek, Robust presented a paper titled “Supramolecular Heterosynthons in Structures of *meso*-1,2-diphenylethylenediammonium salts of Aromatic carboxylic acids”, International conference on Functional Materials, November 27-29, 2008, Indian Institute of Technology Madras, Chennai-600 036, India.

b. National Conferences:

1. Symposium (2018), “One Day National level symposium SciLang-2K18” organized by Faculty of Science and Humanities, University VOC College of Engineering, Anna University Thoothukudi Campus, Thoothukudi on 28.03.2018 (1 day).- COORDINATOR
2. **R. Ramasubramanian**, S. Kumaresan, presented a paper titled “Host-Guest Interactions and Crystal-packing in Guanidinium-1-oxopyridine-2- thioacetate”, National Seminar on Applied Research on Solid State Chemistry and Nanotechnology, February 25-26, 2005, Annamalai University, Annamalai Nagar-608 002, India.
3. **R. Ramasubramanian**, S. Kumaresan, P. Kumaradhas, presented a paper titled “Synthesis and Crystal Structure Analysis of $[\text{Ba}_2(\text{C}_7\text{H}_6\text{O}_3\text{NS})_4(\text{H}_2\text{O})].3\text{H}_2\text{O}$ ”, National Seminar on Recent Advances in Nano Science and Technology”, September 29-30,2005, Periyar University, Salem-636 011, India.
4. **R. Ramasubramanian**, S. Kumaresan, P. Kumaradhas, presented a paper titled “A “Study on Single Crystal Characterization and Biological Activities of Pyridine-2-(3'-mercaptopropanoic acid)-*N*-oxide”, Seminar on Recent Advances in Chemistry”, March 10-11, 2006. Annamalai University, Annamalai Nagar-608 002, India.
5. **R. Ramasubramanian**, S. Kumaresan, F. R. Franczek, presented a paper titled “Supramolecular Synthons in the Co-crystal Structures of *meso*-1,2-diphenylethylenediamine with dicarboxylic acids”, National Seminar on Theoretical and Chemical Sciences, February 22-23, 2008, Annamalai University, Annamalai Nagar-608002,India.
6. **R. Ramasubramanian**, S. Kumaresan, M. Soriano-García, Synthesis and Single “Crystal Structural Investigation of *meso*-1,2-diphenylethylenediammonium fumarate monohydrate”, National Conference on Emerging Trends in Chemistry, October 17-18, 2008, Annamalai University, Annamalai Nagar-608 002, India.