

CURRICULUM VITAE



1. Name : Dr.A.PANDIARAJAN,
2. Age & Date of Birth : 35 Years 04.06.1986,
3. Designation & Subject : Assistant Professor & Head,
4. Educational Qualification : M.Sc.,M.Phil., PGDCA.,Ph.D.
5. Date of Appointment : 10.06.2010,
6. Date of Retirement : 04.06.2044,
7. Spouse Name and Occupation : -

8. a) Qualifications – Academic:

Examinations passed	Register Number	Year of passing	Subject	Class with Marks or Grade	Name of the College/University
Ph.D,	Ph.D-CB-DEC2012-0501	2017	Chemistry	Highly Recommended	Bharathiar University
M.Phil.,	B1810643	2012	Chemistry	86.6%	M.K. University / G.T.N Arts College
M.Sc.,	A7601063	2009	Chemistry	72%	M.K. University / APA College of Arts and Culture
PGDCA.,	A6DC52	2007	Computer	-----	-----
B.Sc.,	A3100683	2006	Chemistry	70.8%	M.K. University / G.T.N Arts College

8. Teaching Experience

Sl. No.	Place of Service	Period		Designation
		From	To	
1	G.T.N ARTS COLLEGE	2010 TO TILL DATE		ASSISTANT PROFESSOR

9. Total Teaching Experience as on May 2022:

Under graduate - 12 Years

Post Graduate - 12 Years

Research - 8 Years

10. Area of Specialisation :

i) Teaching - 12 Years

ii) Research -- 12 Years

PATENT PUBLICATION:

- ❖ **Indian Patent IPR #:** C11D0009380000 05/2022 - Dated 04/02/2022 – 202241004388, A METHOD OF MANUFACTURING NATURAL SOAP COMPOSITION PROCESS.

- ❖ **Indian Patent IPR #:** CBR number: 203495 Application number 367265-001 SOLAR EMPOWERED AGRICULTURE ROBOT. Applied date: 05/07/2022.

- ❖ **Indian Patent IPR #:** CBR number: 204612 Application number 368893-001 PORTABLE FACE MASK DETECTING DEVICE INTEGRATED WITH TOUCH FREE SANITIZER DISPENSER. Applied date: 06/08/2022.

- ❖ **Indian Patent IPR #:** CBR number: 204618 Application number 368895-001 NANOTECHNOLOGY BASED OIL REMOVING ROBOT FROM WATER. Applied date: 06/08/2022.

- ❖ **Indian Patent IPR #:** CBR number: 207824 Application number 373302-001 AUTOMATED MANUFACTURING PRODUCT QUALITY CONTROL CHECK SYSTEM. Applied date : 31/10/2022.

- ❖ **Indian Patent IPR #:** CBR number: 207936 Application number 373516-001 SOLAR STEEL HELMET. Applied date : 03/11/2022.

BOOK PUBLISHED:

- ❖ A.Pandia Rajan, The Preparatory Book of Environmental Studies, Lap Lambert Academic Publishing, Isbn: 978-620-2-02883-7, Year 2022.

- ❖ A.Pandia Rajan, A Text Book of Modern Physical Chemistry Concepts, Ryan Publishers, Tamil Nadu, India, ISBN : 978-93-93253-62-0 -eISBN : 978-93-93253-63-7.

- ❖ A.Pandia Rajan, The Book of Short Review on Green Chemistry, Lambert Academic Publishing, Republic of Moldova, ISBN-13,978-620-4-75177-1, ISBN-10:6204751778, EAN: 9786204751771.

- ❖ A.Pandia Rajan, Organic Chemistry, BLUEROSE PUBLISHERS, 4233/1, First Floor, Main, Ansari Rd, near Allahabad Bank, Daryaganj, Delhi, 110002 ISBN-978-93-5668-586-4.

- ❖ A.Pandia Rajan, CHROMATOGRAPHIC TECHNIQUES, Ryan Publishers, Tamil Nadu, India, ISBN : 978-93-93253-53-8, EISBN: 978-93-93253-54-5.

RESEARCH PAPER PUBLICATION AT REFEREED JOURNAL:

- ❖ A.Pandia Rajan, Effect of Doping in Copper Oxide Nanoparticles Studied By X-Ray Diffraction, Bulletin Of Environment, Pharmacology and Life Sciences, Volume 1, Year,(2022).
- ❖ A.Pandia Rajan, Magnetic Nano Particle in Phenolic Waste Water Treatment, Indian Journal of Natural Sciences, ISSN NO: 0976 – 0997, 13 (66), '40572--40575,(2022).
- ❖ A.Pandia Rajan, Assessment of an Industrial Effluents and Heavy Metals Present in and Around Dindigul District, Indian Journal of Natural Sciences, ISSN NO: 0976 – 0997, 12 (66), 32009-32014,(2021).
- ❖ A.Pandia Rajan, Treatment for the Effective Removal of Heavy Metals from the Tannery Effluent by using Fly Ash from Thermal Power Plant Indian Journal of Natural Sciences, ISSN NO: 0976 – 0997, 12 (66), 32015-32022,(2021).
- ❖ A.Pandia Rajan, Electric Power Production Using Photo Voltaic Cell. Journal of Applied Science and Computations, (JASC), ISSN NO: 1076-5131, 6 (4), 2542-2547, (2019).
- ❖ A.Pandia Rajan, A Study of the Occupational Health Status of Sewage and Sanitary Workers in Avaniyapuram at Madurai District, IJRAR- International Journal of Research and Analytical Reviews (IJRAR), ISSN 2349-5138, 6 (1), 286-289, (2019).
- ❖ A.Pandia Rajan, Renewable and Non – Renewable Energy Sources. Journal of Applied Science and Computations, (JASC), ISSN NO: 1076-5131, 6 (4), 2582-2585, (2019).

- ❖ A.Pandia Rajan, A Study of the Occupational Health Status of Sewage and Sanitary Workers in Avaniyapuram at Madurai District, J. Environ. Nanotechnol. ISSN - 2319-5541, Volume 8(1), 42-46, (2019).
- ❖ A.Pandia Rajan, synthesis and characterization of silver nanoparticles Using leaf extract of “sansevieria roxburghiana” and its application of water treatment, IJRAR- International Journal of Research and Analytical Reviews (IJRAR), ISSN 2349-5138, 5 (4), 195-203, (2018).
- ❖ A.Pandia Rajan, A Study on the Nanotechnology in Water and Waste Water Treatment. IOSR Journal of Applied Physics (IOSR-JAP), 10 (4), 28-31, (2018).
- ❖ A.Pandia Rajan, Velvet Mesquite Carbon and commercial activated carbon in the removal of manganese (ii) ions from aqueous solution., IJRAR- International Journal of Research and Analytical Reviews (IJRAR), ISSN 2349-5138, 5 (4), 170-173, (2018).
- ❖ A.Pandia Rajan, A study of the occupational health status of sewage workers at panjapur in trichy district. World Journal of Pharmaceutical Research, 7 (6), 842-849, (2018).
- ❖ A.Pandia Rajan, assessment of physico-chemical analysis of the ground water and surface water due to the impact of iron industries effluents in and around mullipadi. G.T.N Multidisciplinary Journal, 5 (3), 51-55, (2017).

- ❖ A.Pandia Rajan, Geochemical studies of ground water in and around kovilur dindigul due to the impact of sewage and iron industry effluent. MVM Journal of Research, 3 (1), 50-57, (2017).
- ❖ A.Pandia Rajan, M.S.Dheenadhayalan, Remedial Study of Iron Industry Effluents using Reverse Osmosis Technology, Eur. Chem. Bull., 5(2), 43- 45, (2016).
- ❖ A.Pandia Rajan, A Study of the Physico-Chemical Analysis of the Ground Water and Surface Water due to the Impact of Iron Industries Effluents With Special Reference to the Prevalence of Dental Fluorosis in and around Panjapur- Trichy District – Tamil Nadu. World Journal of Pharmacy and Pharmaceutical Science, 5 (12), 746-751, (2016).
- ❖ A.Pandia Rajan, A study of nanotechnology in wastewater treatment, International Journal for Research in Science Engineering and Technology, 3(1), 1-7, (2016).
- ❖ A.Pandia Rajan, Assessment of Physico-Chemical Parameters of River Cauvery in and around Nerur, Journal of Environmental Science and Pollution Research, 1(1) 17-19, (2015).
- ❖ A.Pandia Rajan, 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) 15-16, (2015).

- ❖ A.Pandia Rajan, Assessment of the Work-Related Health Status of Iron Industry Workers in Kulathur at Dindigul District, Eur. Chem. Bull., 4(6), 303-305 (2015).
- ❖ A.Pandia Rajan, A Study of the Ground Water Quality and Discharge of Untreated Textiles in the Dyeing Effluents in and around Chellandipalayam in Karur District, International Journal of Chemical and Physical Sciences, ISSN:2319-6602, Vol. 4, No. 3,(2015).
- ❖ A.Pandia Rajan, M.S.Dheenadhayalan, A study of the impact of sewage and tannery effluent in ponmandurai pudhupatty pond in dindigul district, IJCBS Research Paper, ISSN - 2349–2724, VOL. 2 (6), 6-10,(2015).
- ❖ A.Pandia Rajan, M.S.Dheenadhayalan, Assessment of physico-chemical analysis of the ground water and surface water due to the impact of iron industries effluents in and around mullipadi,, IJCBS Research Paper, ISSN - 2349–2724, VOL. 2 (6), 11-15,(2015).
- ❖ A.Pandia Rajan, Studies on the Utilization of Solar Energy for the Treatment of Dyeing Industry Effluent, International Journal of Innovative and Applied Research, ISSN 2348 – 0319 , Volume 2, Issue (11): 49- 54,(2014).

- ❖ A.Pandia Rajan, Geochemical Studies of Ground Water at the Eastern Side Dindigul Rock Fort due to the Impact of Sewage and Industrial Effluent J. Environ. Nanotechnol. ISSN - 2319-5541, Volume 3(2), 156-160, (2014).
- ❖ A.Pandia Rajan, A Study of the Quality of Ground Water from Maruthanikulam Area due to Flow of Industrial Effluent and Sewage at Pillaiyar Natham of Dindigul District, J. Environ. Nanotechnol. ISSN - 2319-5541, Volume 3(2),168-172, (2014).
- ❖ A.Pandia Rajan, Geo Chemicals and Water Quality Assessment in Ground Water in and around Iyankulam Pond due to the Discharge of Tannery Effluents in Dindigul, J. Environ. Nanotechnol. ISSN - 2319-5541, Volume 3(2), 182-187, (2014).
- ❖ A.Pandia Rajan,A Study of the Impact Of Chemical Industries Effluent in River Cauveryat Mettur Dam in Salem District J. Environ. Nanotechnol. ISSN - 2319-5541, Vol.3 (3), 36-40, (2014).
- ❖ A.Pandia Rajan, Studies on the use of Solar Energy for the Treatment of Iron Industry Effluent, Research Journal of Recent Sciences, ISSN 2277-2502, Vol. 3, 1-8 (2013).

- ❖ A.Pandia Rajan, A Study of Awareness of the Dental Fluorosis Prevalence in Education People Affected By Kuluthur in Dindgul District, Shanlex international Journal of Education, ISSN 2320-2653, Vol. 1, 11-13 (2013).
- ❖ A.Pandia Rajan, Treatment Study of Dyeing Industry Effluents using Reverse Osmosis Technology, Research Journal of Recent Science, ISSN 2277-2502, Vol. 3, 1-8 (2013).
- ❖ A.Pandia Rajan, Prosopis juliflora Carbon and Commercial Activated Carbon in the Removal of manganese (II) Ions from Aqueous Solution, Recent Advance in Surface Science, ISBN- 978-93-82338-36-9, 177-179, (2013).

INTERNATIONAL CONFERENCE PAPER PRESENTATION/PARTICIPATION:

- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, has attended in the “ Ten days online faculty development program on “Teaching Learning and Assessment” conducting during the 15th -25th March -2021 Organized by Teaching Learning Centre, Central University of Rajasthan(TLC@CURaj) under the Scheme of Pundit Madan Mohan Malaviya National Mission on Teachers and Teaching.

- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, participated in online National webinar on “INNOVATIONS AND LEARNING AND TEACHING” Conducted by ponkalamman college of education, karur on 19/02/2021.

- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, has attended the AICTE sponsored 6-day online STTP (Series II) on “Outcome based Curriculum Planning, Mapping and Measurement” from November 30 - December 05, 2020.

- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, participated in the Webinar on CREATING SAME COMMUNITIES FOR WOMEN AND CHILDREN DURING DISASTER,5th August 2020, Organized by National Institute of Disaster Management (NIDM) Minister of Home Affairs, Govt. of India, in Collaboration with International Justice Mission.

- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, has participated in one week online Faculty Development Program on “Challenges and Opportunities in Recent Emerging Technologies” held from 6 to 10 July 2020, Sponsored by TEQIP-III and organized by Department of Chemical Engineering, SGGSIET, Nanded, Maharashtra (India).
- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, has participated in the International Virtual Seminar on “ Materials and their Applications Organized by the Department of Chemistry and Physics, SSM Institute of Engineering Technology, Dindigul on 18th and 19th June -2020.
- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, has attended in the “ One day online faculty development program on Funding Schemes and patenting Scientific Innovations Organized by the IQAC and PG and Research Department of Chemistry, Government Arts College, Trichy-620022, 13th June -2020.
- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, participated in “National Level American College Chemistry Webinar Series-III” o organized by the Department of Chemistry, The American College, Madurai on 5th June, 2020.
- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, has participated in the Three Days Faculty Development Programme on “Advanced Molecular Chemistry” Organized by PG & Research Department of Chemistry held on 1-6-2020 to 3-6-2020.

- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, participated in National Webinar on “Figment of Imagination in Physics Via Simulations” organized by the Department of Physics, Sri GVG Visalakshi College for Women, Udumalpet on 29th &30th May 2020.

- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, participated in one week national level short term course on “ VIRTUAL LEARNING ENVIRONMENT” through online mode from 18.05.2020 to 24.05.2020 organized by Unnat Bharat Abhiyan (C-36569) and A.P.A.College of Arts and Culture, Palani.

- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, has actively participated in the National Level “American College Chemistry Webinar Series-II” organized by the Department of Chemistry on 22ndMay, 2020.

- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, participated in Faculty Awareness Program on NAAC Accreditation” Organized by RD’s Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune-412206 conducted online during the period of 10/05/2020 to 15/05/2020.

- ❖ Dr.A.PANDIARAJAN, Assistant professor and Head, participated in Two-Week MOOC Workshop for College Teachers on Management of Environment and its Resources Jointly Conducted by Department of Chemistry & Research, Nesamony Memorial Christian college,

Marthandam and Department of Chemistry & Research, St.Xavier's College (Autonomous), Palayamkottai, Trinelveli from 28th April to 11th May - 2020.

- ❖ Presented a paper in the International Conference on “Advanced Materials Chemistry at the Interface of Energy, Environment and Medicine ” (AMCI-2019) held on 30th & 31th January 2013 at Manonmaiam Sundaranar University, Tirunelveli.
- ❖ Presented a paper in the International Seminar on “Nano science and Technology” (INSNT-2016) held on 20th September 2016 at Mother Teresa Women's University, Kodaikanal.
- ❖ Presented a paper in the International seminar on “Advances in Applied Chemistry” held on 28th February 2017 at St.Joesph's College, Trichy.
- ❖ Presented a paper in the International seminar on “Research Process Easier, Effective and for a Qualitative Research” held on 28th February 2017 at G.T.N. Arts College, Dindigul.
- ❖ Presented a paper in the International Seminar on “Nanoscience and Technology” (INSNT-2016) held on 20th September 2016 at Mother Teresa Women's University, Kodaikanal.

- ❖ Presented a paper in the International Conference on “Chemical and Environmental Research” (ICCER-2014) held on 11th & 12th March 2014 at Jamal Mohamed College, Trichy.
- ❖ Presented a paper in the International conference on “Chemistry in Synergy with Materials and Biology (ICMB – 2014)” held on 10th & 11th January 2014 at Bishop Heber College, Trichy.
- ❖ Presented a paper in the International Conference on “Biological Inorganic Chemistry (ICBIC – 2013)” from 20 to 23 February 2013 at Periyar University, Salem.
- ❖ Presented a paper in the International Conference on “3rd International Science Congress (ISC – 2013)” held on 8th & 9th December 2013 at Karunya University, Coimbatore.
- ❖ Presented a paper in the International Conference on “5th International Ground Water Conference (IGWC – 2012)” held on 20th December 2012, at Maulana Azad College of Arts, Science & Commerce, Aurangabad, Maharashtra, India.
- ❖ Presented a paper in the International Conference on “Renewable Energy and Climate Change – Exploring Opportunities for Sustainable Development” from 5th to 7th April 2012, at Madurai Kamaraj University, Madurai.

CONFERENCE PAPER PRESENTATION/PARTICIPATION:

- ❖ Presented a paper in the UGC Sponsored Webinar on “Digital Governance” held on 8th August 2022 at Bharathidasan University, Tiruchirappalli.
- ❖ Presented a paper in the UGC Sponsored one day National Conference on “NCRLMS-2019” held on 2nd March 2019 at G.T.N Arts College, Dindigul.
- ❖ Presented a paper in the National Conference on “Recent Trends in Chemistry” held on 11th 12th February 2019 at V.P.M.M Arts and Science College for Women, Krishnankoil.
- ❖ Presented a paper in the UGC Sponsored Two day National Conference on “Chemistry of Materials ” (NCCM-18) held on 10th & 11th October 2018 at Sadakathullah Appa College, Tirunelveli.
- ❖ Presented a paper in the UGC Sponsored Two day National Conference on “Scholarly Communication Facets and Research Writing ” held on 27th October 2018 at G.T.N Arts College, Dindigul.
- ❖ Presented a paper in the National Conference on “Emerging Trends in Exploring and Biomolecules for Disease Cure” held on 6th February 2018 at Rev. Jacob Memorial Christian College, Ambilikkai, Dindigul.
- ❖ Presented a paper in the National Conference on “Advanced in Applied Chemistry” held on 14th December 2018 at St.Joesph's College, Trichy.

- ❖ Presented a paper in the National Conference on “New Horizons of Nanotechnology in Life Science” held on 26th February 2018 at Sri Sai Bharath College of Arts and Science, Dindigul.
- ❖ Presented a paper in the UGC Sponsored National Seminar on “Recent Trends in Chemistry (RTC – 8)” held on 23rd January, 2018, at Jeyaraj Annapackiam College for Women, Periyakulam, Theni.
- ❖ Presented a paper in the “National Essay Competition on Water 2015-2016 (Category -II) ” held on March 2016 at Central Ground Water Board, Ministry of water Resources, River Development Ganga Rejuvenation, Government of India, New Delhi.
- ❖ Presented a paper in the National Conference on “Ozone Layer Depletion & Conservation –Issues and Challenges (OLDCIC-2016)” held on 16th September 2016 at Mother Teresa Women’s University, Kodaikanal.
- ❖ Presented a paper in the National Conference on “Botanical and Pytochemicals: The Challenges of Health Care and Drug Development” held on 4th February 2016 at Rev. Jacob Memorial Christian College, Ambilikkai, Dindigul.

- ❖ Presented a paper in the One Day National Level seminar on “The Widening Horizons of Chemistry-III” (TWHC-III-2015) held on 5th March 2015 at Arulmigu Palaniandavar Arts College for Women, Palani.
- ❖ Presented a paper in the UGC Sponsored one day National Level seminar on “Recent Advance in Chemistry” (RAC-2015) held on 18th March 2015 at G.T.N Arts College, Dindigul.
- ❖ Presented a paper in the Two day National Conference on “Current Scenario in Material Chemistry” (CSIMC-2015) held on 9th & on 10th February 2015 at Jamal Mohamed College, Trichy.
- ❖ Presented a paper in the one day National seminar on Corrosion Control and Environmental Protection (CHEM FEST-2015) held on September 9th, 2015, at Sacred Heart College of Arts & Science, Dindigul.
- ❖ Presented a paper in the National Conference on “Modern Trends in Chemistry MTC-II Newer Perspectives in Nano and Green Chemistry” held on 24th & 25th July 2014 at PSNA College of Engineering and Technology, Dindigul.
- ❖ Presented a paper in the National Conference on “Current Trends in Advanced Chemistry (CTAC-2014) ” held on 9th August 2014 at Saranathan College of Engineering, Trichy.

- ❖ Presented a paper in the National Conference on “National Conference on Recent Advance Water and Wastewater Treatment” in RAWWT -2014 held 21th & 22nd March, The Gandhigram Rural Institute, Deemed university, Dindigul.
- ❖ Presented a paper in the National Conference on “Global Oppertunities for Recent Developments in Science and Technology” held on 8th February 2014 at Rev. Jacob Memorial Christian College, Ambilikkai, Dindigul.
- ❖ Presented a paper in the one day National seminar on “The Widening Horizons of Chemistry (TWHC – II – 2013)” held on 11th February 2013 at Arulmigu Palaniandavar Arts College for Women, Palani.
- ❖ Presented a paper in the National Conference on “National Science Acadamies (IASc, INSA & NASI)” held on 22 & 23 February 2013 at Vivekananda College, Madurai.
- ❖ Presented a paper in the National Conference on “Recent advances in Chemical Sciences – 2013 (RACS – 2013)” held on 20th February 2013 at Anna University College of Engineering, Reddiarchatram, Dindigul.
- ❖ Presented a paper in the National Conference on “Recent Advances in Textile and Electro chemical Sciences – 2012 (RATES – 2012)” held on 22nd & 23rd March, 2012, at Alagappa University, Karaikudi.

- ❖ Presented a paper in the National Seminar on “Emerging Trends in Chemistry (ETC - 4, 2012)” held on October 04- 05, 2012, at Cardamom Planter’s Association College, Bodinayakanur, Theni.
- ❖ Presented a paper in the National Seminar on “Alternative Energy Resources – A Future Perspective” held on 30th & 31st August 2012, at PSGR Krishnammal College for Women, Coimbatore.
- ❖ Presented a paper in the National Seminar on “Emerging Trends in Chemistry (ETC - 2012)” held on September 25, 2012, at Srimadandavan Arts and Science College, Trichy.
- ❖ Presented a paper in the National Seminar on “Modern Trends in Chemistry – MTC 2012 – Green Chemistry” held on 23rd & 24rd February 2012, at PSNA College of Engineering and Technology, Dindigul.
- ❖ Presented a paper in the National Conference on “Emerging Trends in Chemistry”, held on 11th January 2012, at Bishop Heber College, Trichy.
- ❖ Presented a paper in the National Conference on “Exploring Excellence in Chemistry (NCEEC – 12)” held on 21st December 2012, at Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur.

WORKSHOP/ SYMPOSIUM /TRAINING PROGRAMMES ATTENDED:

- ❖ Five days FDP on “QUALITY ENHANCEMENT STRATEGIES FOR HIGHER EDUCATION INSTITUTIONS Organized by IQAC, Sri Sarada College for women, (Autonomous), Salem, from 05/1/2022 – 12/1/2022.
- ❖ One Day Workshop on “Examination Reforms in Higher Education” held on 19th September 2018, at G.T.N. Arts College, Dindigul.
- ❖ International Workshop on “Bio Sensors and Bio Electronics” held on 5th October 2017 at V.P.M.M Arts and Science College for Women, Krishnankoil.
- ❖ One Day Workshop on “Designing and Create Website Using free Tools” held on 2nd September 2017, at G.T.N. Arts College, Dindigul.
- ❖ National Symposium on “Recent Developments in Chemistry (RDC-2016)” held on 4th June 2016 at Madurai Kamaraj University, Madurai.
- ❖ National work shop on “Recent advancements in chemical synthesis” held on 28th JANUARY 2014 at Sri G.V.G. Visalakshi College for Women Udumalpet.
- ❖ Indian Academies of Science Sponsored Lecture Workshop on “Recent Trends in Chemistry (RTC – 5)” held on 15th & 16th December, 2011, at Jeyaraj Annapackiam College for Women, Periyakulam, Theni.
- ❖ State Level One Day Workshop on “Mushroom Cultivation” held on 13th March 2012, at G.T.N. Arts College, Dindigul.

- ❖ International Workshop on “Renewable Energy and Climate Change – Exploring Opportunities for Sustainable Development” from 5th to 7th April 2012, at Madurai Kamaraj University, Madurai.
- ❖ Inter – Collegiate Work shop on “Drinking Water Quality Assessment” held on 10th February 2012, at Yadava College, Madurai.
- ❖ “Impact of the Nano world with Nano materials,” National Seminar on Nano World Organized by APA college of Arts and Culture Palani.

PAPER SETTERS / EXAMINER SHIP IN OTHER INSTITUTIONS

- ❖ Government Arts College (Autonomous), Karur,
- ❖ Vivekananda College, Madurai,
- ❖ VHNSN College (Autonomous), Virudhunagar
- ❖ Sri Kaleeshwari College (Autonomous), Sivakasi.
- ❖ VVV College for Women, Virudhunagar,
- ❖ Hajee Karutha Rowther Howdia College, Uthamapalayam.
- ❖ Madura College, Madurai,
- ❖ Gobi arts and science college, Gobisetipalayam.

PAPER VALUATION / EXAMINER SHIP IN OTHER INSTITUTIONS

- ❖ Government Arts College (Autonomous), Karur
- ❖ Vivekananda College, Madurai,
- ❖ VHNSN College (Autonomous), Virudhunagar
- ❖ Sri Kaleeshwari College (Autonomous), Sivakasi.
- ❖ VVV College for Women, Virudhunagar.
- ❖ Gobi arts and science college, Gobisetipalayam.

FIELD OF SPECIALIZATION:

- ❖ Organic Chemistry.
- ❖ Environmental Chemistry,
- ❖ Water Chemistry,
- ❖ Industrial chemistry,
- ❖ Polymer Chemistry,
- ❖ Green Chemistry,
- ❖ Nano Chemistry,

NO OF M.Sc., PROJECTS:

- ❖ Guided - 75
- ❖ Guiding - 20

PROGRAM ORGANIZATION:

- ❖ One day National Level Seminar on “RECENT ADVANCES IN CHEMISTRY” (RAC-2016), PG and Research Department of Chemistry, G.T.N Arts College, Dindigul, Tamilnadu (8th MAR 2016).

- ❖ UGC Autonomy Grand Sponsored National Conference on “RECENT TRENDS IN CHEMISTRY SOLAR ENERGY AND NANO SCIENCE” (Sens-2019), PG and Research Department of Chemistry, G.T.N Arts College, Dindigul, Tamilnadu (8th MAR 2019).

- ❖ National Conference on Recent Trends in Chemistry (RTC-2019), PG and Research Department of Chemistry, G.T.N Arts College, Dindigul, Tamilnadu (27th October 2019).

- ❖ National Webinar on “APPLICATION OF NMR SPECTROSCOPY AND CHROMATOGRAPHY IN CHEMISTRY”. PG and Research Department of Chemistry, G.T.N. Arts College, Dindigul, 25th November 2021,

- ❖ One day National Level Seminar on “IDENTIFYING INTELLECTUAL PROPERTY COMPONENT AT THE EARLY STAGE OF INNOVATION” PG and Research Department of Chemistry, G.T.N Arts College, Dindigul, Tamilnadu (10th Jsn 2022).

PROFESSIONAL RECOGNITION, AWARDS, FELLOWSHIPS RECEIVED:

- ❖ Dr. SARVEPALLI RADHAKRISHNAN EDUCATION EXCELLENCE AWARD on Indian Teachers Day from Namaste India foundation on 5th September 2022.
- ❖ ADMIRABLE PROFESSOR AWARD on International Teachers Day from MALAYSIA BHARATI CREATIVE CHANNEL, PATANI MALAYSIA, on 05th October 2022.
- ❖ Best Teacher Award 2014.
- ❖ Secured university First Rank in M.Phil.
- ❖ Received best paper Award in Various National Conference.
- ❖ Merit admission in M.Sc,
- ❖ Produced university I, II, III rank from 2010-2017.

LABORATORY EXPERIMENTS HANDLED:

Organic chemistry

- ❖ Single and double stage organic compound preparation.
- ❖ Organic compound separation and organic qualitative analysis
- Determination of phase diagram for two component system

Inorganic chemistry

- ❖ Inorganic semi-micro analysis
- ❖ Inorganic metal complex preparation
- Determination of molecular weight by using TT apparatus

Physical chemistry

- ❖ Potentiometric titration
- ❖ Colorimetric titration
- ❖ Determination of acid strength using potentiometric titration

Techniques Known

- ❖ Chromatography
- ❖ spectroscopy
- ❖ chemical preparation
- ❖ Chemical precipitation
- ❖ calorimetry
- ❖ crystallography
- ❖ water parameter analysis

Instruments Handled

- ❖ HPLC
- ❖ X-ray diffraction (Rigaku Mini Flex-500 and ADX-2500)
- ❖ SEM (JEOI-SEM 6360)
- ❖ AAS
- ❖ FTIR
- ❖ UV-Vis spectrum

RESEARCH INTERESTS:

- ❖ Water chemistry,
- ❖ Pharmaceutical Chemistry,
- ❖ Green Chemistry,
- ❖ Industrial Chemistry,
- ❖ Nano Chemistry,
- ❖ Solar Energy.

COMPUTER SKILLS:

- ❖ M.S Office,
- ❖ C , C++,
- ❖ Photoshop,
- ❖ Visual basic.

PROJECTS TO BE CARRIED OUT:

- ❖ Ground water Pollutions,
- ❖ Waste Water treatment,
- ❖ Waste Water treatment and management,
- ❖ Ground water Mathematical Model,
- ❖ Adulteration,
- ❖ Pharmaceutical chemistry,
- ❖ Conventional Energy,

- ❖ Non-Conventional Energy,
- ❖ Solar Energy.

**Dr.A.PANDIA RAJAN.,M.Sc., M.Phil., PGDCA., Ph.D.
ASSISTANT PROFESSOR AND HEAD,
PG AND RESEARCH DEPARTMENT OF CHEMISTRY,
G.T.N ARTS COLLEGE (AUTONOMOUS),
DINDIGUL-624005.**

Mobile: 9677973559,

Email Id: chempandian@gmail.com.