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### **1. ACADEMIC PROFICIENCY**

<b>Name of the course</b>	<b>Subject of the Specialization</b>	<b>Institution/University</b>	<b>Year of Study</b>	<b>Percentage of marks</b>
<b>Ph.D</b>	<b>Chemistry</b>	<b>G.T.N Arts College.Dindigul - Madurai Kamaraj University, Madurai</b>	<b>Doing</b>	<b>2017 to till date</b>
<b>M.Phil.</b>	<b>Chemistry</b>	<b>G.T.N Arts College.Dindigul - Madurai Kamaraj University, Madurai</b>	<b>University First Rank  2014</b>	<b>80%</b>
<b>M.Sc</b>	<b>Chemistry</b>	<b>G.T.N Arts College.Dindigul - Madurai Kamaraj University, Madurai</b>	<b>University Second Rank  2013</b>	<b>76.6%</b>
<b>B.Sc</b>	<b>Chemistry</b>	<b>Gandhigram Rural University, Dindigul</b>	<b>2011</b>	<b>65.5%</b>

## **2. JOURNAL PUBLICATION - 10**

- ❖ Treatment Study of Dyeing Industry Effluent Using Reverse Osmosis Technology in Research Journal of Recent Sciences. Vol.3(ISC-2013), 1-8 (2014 ).
- ❖ Synthesis, Characterization and Anti-Microbial Activity of Titanium Nano Particles in World Journal of Pharmaceutical Research. Vol 7, Issue 8, 2018 ,2277-7105.
- ❖ Optimization of Biosynthesis of Silver Nanoparticles using Water Melon in International Journal of Nano Corrosion Science and Engineering. Vol (III), 2018, 2395-7018.
- ❖ Green Synthesis of Silver Nanoparticles by Using Alysicarpus Monilifer Plant Extract, Characterization of Antibacterial Activity in IJRAR- International Journal of Research and Analytical Reviews. [ Volume 5 , Issue 3 , July– Sept 2018] E ISSN 2348 –1269, Print ISSN 2349-5138.
- ❖ A Study on the Investigation of Annona Muricata Fruit and Leaves for the Characterization Properties in the Treatment of Cancer Using UV and FTIR in IJRAR- International Journal of Research and Analytical Reviews. [ Volume 5 , Issue 3 I, July– Sept 2018] E ISSN 2348 –1269, Print ISSN 2349-5138.

## **3. PAPER PRESENTED IN THE CONFERENCE**

### **I. INTERNATIONAL CONFERENCE - 12**

- ❖ “3<sup>rd</sup> International Science Congress (ISC – 2013)” held on 8<sup>th</sup>& 9<sup>th</sup> December 2013 at Karunya University, Coimbatore.
- ❖ “Biological Inorganic Chemistry (ICBIC – 2013)” from 20 to 23 February 2013 at Periyar University, Salem.

- ❖ Presented a paper in the International conference in “Chemistry in Synergy with Materials and Biology (ICMB – 2014 )” held on 10<sup>th</sup>& 11<sup>th</sup> January 2014 at Bishop Heber College, Trichy.
- ❖ Presented a paper in the International conference in “chemical & environmental research (ICCER-2014)” held on 11th & 12th March 2014 at Jamal Mohamed College, Trichy.
- ❖ Presented a paper in the International conference in “chemical & environmental research (ICCER-2016)” held on January 2016 at Jamal Mohamed College, Trichy.

## II. NATIONAL CONFERENCE - 16

- ❖ “Exploring Excellence in Chemistry (NCEEC – 12)” held on 21<sup>st</sup> December 2012, at Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur.
- ❖ “Emerging Trends in Chemistry (ETC - 2012)” held on September 25, 2012, at Srimadandavan Arts and Science College, Trichy.
- ❖ “Emerging Trends in Chemistry (ETC - 4, 2012)” held on October 04- 05, 2012, at Cardamom Planter’s Association College, Bodinayakanur, Theni.
- ❖ “Recent advances in Chemical Sciences – 2013 (RACS – 2013)” held on 20<sup>th</sup> February 2013 at Anna University College of Engineering, Reddiyarchatram, Dindigul.
- ❖ “Global Oppertunities for Recent Developments in Science and Technology” held on January 2016 at Rev. Jacob Memorial Christian College, Ambilikkai, Dindigul.

### **III. SEMINARS AND WORKSHOPS - 08**

- ❖ National seminar on “Recent Trends In Chemistry” held on June 2014, at G.T.N Arts College, Dindigul.
- ❖ National Workshop on “Green Techniques in chemistry laboratory experiments” held on 9th January 2013, at Holy Cross College, Trichy.
- ❖ National seminar on “Recent Trends In Chemistry” held on 18th September 2012, at Fatima College, Madurai.
- ❖ “Energy Conservation Week Celebration-2012,” held on December 14 to 20, Organized by Tamilnadu Generation And Distribution Corporation Ltd & Anna University Dindigul.

<b><u>4. ONLINE WEBINARS</u></b>	-	<b>20</b>
<b><u>5. ONLINE FACULTY DEVELOPMENT PROGRAMME</u></b>	-	<b>10</b>
<b><u>6. TEACHING EXPERIENCE</u></b>	-	<b>07 Years</b>
<b><u>7. PROJECTS TO BE CARRIED OUT ( M.Sc., Students )</u></b>	-	<b>25 Students</b>

### **8. PATENT PUBLICATION**

- ❖ **Indian Patent IPR #:** C11D0009380000 05/2022 Dated 04/02/2022 202241004388. A Method of manufacturing natural soap composition process.

### **9. FIELD OF SPECIALIZATION**

- ❖ Inorganic Chemistry.
- ❖ Environmental Chemistry.
- ❖ Nano science and Energy science.

### **10. ACADEMIC ACHIEVEMENTS**

- ❖ Secured First Rank in M.Phil.
- ❖ Secured university Second Rank in M.Sc.
- ❖ Received a best paper Award in a National Conference held at Coimbatore.

## **11. RESEARCH INTERESTS**

- ❖ Energy and Environment.
- ❖ Nano Compound Preparation.

## **12. PROJECTS TO BE CARRIED OUT**

- ❖ Ground Water Pollutions in Natural Resources.
- ❖ **Project fund Rs.50,000 Received from HRDC for Unnath Bharath Abiyan (UBA) Scheme.**
- ❖ Waste Water Treatment Using Solar Energy and Management.
- ❖ Energy Generation Using Solar Photovoltaic Cells and non conversional energy sources.
- ❖ Synthesis of Silver, Copper Nano Materials by using various plants.

## **13.CHAPTER PUBLICATION**

- ❖ “ Synthesis Of Copper Nanoparticles From Acalypha Indica Leaf Aqueous Extract And Its Antibacterial Activity “ SCIENG PUBLICATIONS, SP2107, 29/07/22.

## **14. OTHER POSITION HELD IN G.T.N ARTS COLLEGE**

- ❖ NSS Programme Officer from 2018.
- ❖ UBA Coordinator from 2019.
- ❖ Updating Officer for TNEA from 2019.

## **15. PROGRAMME 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 (8<sup>th</sup> MAR 2016).