

**JAMAL MOHAMED COLLEGE (Autonomous)**  
**PG & RESEARCH DEPARTMENT OF CHEMISTRY**  
**RESUME (as on 06.03.2025)**



1. Name : **Dr. M. ANWAR SATHIQ**  
2. Sex : MALE  
3. Designation : Associate Professor of Chemistry  
4. Date of birth : **15-06-1980**

5. Address:

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Official : Associate Professor  
PG & Research Dept. of Chemistry  
Jamal Mohamed College  
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6. Educational Qualification :

S.No	Examination Passed	College/University	Month & Year of Passing
1	B.Sc. Chemistry	Jamal Mohamed College	April -2001
2	M.Sc. Chemistry	Jamal Mohamed College	April -2003
3	M.Phil. Chemistry	St. Joseph's College	March - 2005
4	PGDCA	Alagappa University	April-2011
5	Ph.D., Chemistry	Jamal Mohamed College	September- 2012

7. Experience : SF: 21.06.2004; Aided: 22.08.2007  
UG : 20 Years 8 Months  
PG : 20 Years 8 Months  
M.Phil : 16 Years

8. Language Known : Tamil, English.
9. Areas of Specialization : Physical Chemistry- Corrosion Inhibitors.
10. Subjects Taught :  
 UG – Allied Chemistry, General Chemistry, Physical Chemistry, Computer Applications in Chemistry, Value Education and Environmental Studies  
 PG - Physical Chemistry, Molecular Spectroscopy and Medicinal Bio-Inorganic Chemistry  
 M.Phil-Research Methodology and Physical Methods in Chemistry

### 11. Orientation / Refresher Courses Completed:

Name of the Course	Academic Staff College, University	Duration	Date
Orientation Course	UGC-Academic Staff College, Bharathidasan University	28 days	20.05.2010 to 16.06.2010
Refresher Course	UGC-Academic Staff College, Bharathidasan University	21 days	20.11.2012 to 10.12.2012
Refresher Course	UGC-HRDC, University of Madras, Chennai-05	21 days	11.08.2015 to 31.08.2015
Refresher Course	UGC-HRDC, Bharathidasan University, Tiruchirappalli-23	21 days	02.11.2016 to 22.11.2016
Refresher Course in Chemistry for Higher Education	SWAYAM-AICTE, NTA-MHRD, Government of India	16 Weeks	01.12.2020 to 31.03.2021
One Week FDP on Cancer Awareness	GAD-TLC, PMMMNTT-MHRD and Indian Cancer Society, Delhi	One Week	05.07.2022 to 11.07.2022
NEP Orientation and Sensitization Programme	UGC-Malaviya Mission Teacher Training Centre (GAD-MMTTC), a Centre of UGC & Ministry of Education, SGTB Khalsa College, New Delhi	Two Weeks	19-01-2024 to 31-01-2024

## 12. MOOC-NPTEL-SWAYAM / Other Courses Completed:

Name of the Course	Academic Staff College, University	Duration	Date
Orientation Course for <b>NSS Programme Officers</b>	Empanelled Training Institute, Madras School of Social Work (Autonomous), Chennai-600 008.	7 Days	24.10.2017 to 30.10.2017
<b>UBA Programme Officers</b> South Zone Regional Workshop- “Initiating UBA Activities in Village Clusters adopted by Participating Institutes”	Indian Institute of Technology, Madras	1 Day	03.12.2018
<b>MOOC – NPTEL-SWAYAM</b> Certificate Course on “Fundamentals of Spectroscopy”	Indian Institute of Science Education and Research, Pune	12 Weeks	January 2020 to April 2020
<b>MOOC – NPTEL-SWAYAM</b> Certificate on “Introduction to Polymer Science”	Indian Institute of Technology, Kharagpur	8 Weeks	September to November 2020
<b>Mentored a group of “5” interns</b> in a Community Outreach Program on “Cancer Awareness”	GAD-TLC, PMMMMNMTT-MHRD and Indian Cancer Society, Delhi	3 Months	01.10.2022 to 31.12.2022

**13. Research Supervision:**

M.Phil. Degree

: 28

Ph.D. Degree

: Awarded -01; Doing-01

Google Scholar: Citations: 182; h-index-8; i10 index-6

Scopus: Citations: 123: h-index-7

Awarded Details:

Name of the Candidate	Title of the Thesis	Date of Viva-Voce
Mr. Tajudheen K K (BDU1920190036)	Robust Mass Spectrometric Methods for the Detection of Steroids, Selective Steroid Receptor Modulators and their Metabolites in various Biological matrices for Doping Control	<b>23-10-2024</b>

**14. Publications: 22**

S.No	Title of the Article	Name of the Journal	Vol. No, Page No. & Year	Impact Factor
1	Dialkyl sulphides as inhibitors for the corrosion of zinc in acidic solutions	JARJ	3(2), 22-26 (2006)	
2	Effect of 2,6 - diphenylpiperidin-4-one derivatives as inhibitors for the corrosion of mild steel in sulphuric acid medium	Bulletin of Electrochemistry	23, 237, (2007).	<b>0.6</b>
3	Adsorption and corrosion inhibition of mild steel in hydrochloric acid medium by N-[morpholin-4-yl(phenyl)methyl]benzamide	International Journal of Engineering Science and Technology	2(11), 6417 – 6426 (2010).	<b>1.2</b>
4	Adsorption and corrosion inhibition effect of N-(1-morpholinobenzyl)urea on mild steel in acidic medium	E-Journal of Chemistry	8(2), 621- 628, 2011	<b>0.484</b>
5	Adsorption and corrosion inhibition of mild steel in sulphuric acid solution by N-[morpholin-4-yl (phenyl) methyl] benzamide	Instasci Journal of Chemistry	1(1), 18-33 2011	-

6	N-((4-chlorophenyl)morpholin-4-yl)methyl)acetamide as corrosion inhibitor for mild steel in hydrochloric acid medium	Der Chemica Sinica	6(5), 96-103, 2015.	<b>0.71</b> -
7	Study on the inhibition of mild steel corrosion by N-((4-chlorophenyl)(morpholino)methyl)urea in hydrochloric acid medium	Advances in Applied Science Research	6(11):165-172, 2015.	<b>0.71</b> -
8	N-(morpholine-4-yl(phenyl)methyl)acetamide as corrosion inhibitor for mild steel in hydrochloric acid solution	Arabian Journal of Chemistry	9(1), S691-698 2016.	<b>3.26</b>
9.	Comparative study of N-[(4-methoxyphenyl)(morpholin-4-yl)methyl]acetamide (MMPA) and N-[morpholin-4-yl(phenyl)methyl]acetamide (MPA) as corrosion inhibitors for mild steel in sulfuric acid solution	Arabian Journal of Chemistry	10(1), S261-S273, 2017.	<b>3.26</b>
10.	N-((4-chlorophenyl)(morpholin-4-yl)methyl)benzamide as corrosion inhibitor for mild steel in sulphuric acid medium	Journal of Advanced Applied Scientific Research (JOAASR)	1(7), 49, 2017.	
11.	Inhibition of Corrosion of Mild Steel in 1.0 M HCl by 1-morpholino- 1-(p- tolyl) pentan-3- one.	European Journal of Biomedical and Pharmaceutical Sciences	5(2), 2018	<b>1.20</b>

12.	Is 9 $\beta$ -dehydrohalogenation of betamethasone and dexamethasone hindering the detection of banned co-eluting meprednisone? A reverse-phase chiral liquid chromatography-high-resolution mass spectrometry approach	Steroids	155, 108572, 2020.	<b>2.668</b>
13.	Investigation of in vitro generated metabolites of GLPG0492 using equine liver microsomes for doping control	Drug Testing and Analysis	15 (6), 605-628, 2023	<b>3.234</b>
14.	Metabolic study of selective androgen receptor modulator LY2452473 in thoroughbred horses for doping control	Rapid Communications in Mass Spectrometry	37(9), e9491, 2023.	<b>2.586</b>
15.	In-depth metabolic study of non-steroidal selective androgen receptor modulator GSK2881078 in thoroughbred horses and horse liver microsomes for doping control	Drug Testing and Analysis	15 (7), 757-768, 2023	<b>3.234</b>
16.	Electrospray ionization mass spectrometry adduct formation by mobile phase additives: A case study using nitrile functional groups containing selective androgen receptor modulators	Rapid Communications in Mass Spectrometry	37(14), e-9530, 2023.	<b>2.586</b>
17.	Investigations on the effect of 2-[(furan-3ylmethylene)-amino]-benzenethiol on corrosion in carbon steel	Results in Surfaces and Interfaces	12, 10043, 2023.	<b>6.137</b>
18.	An extensive screening method for the identification and quantitation of ecdysteroids in equine urine and plasma using liquid chromatography coupled with mass spectrometry.	Rapid Communications in Mass Spectrometry	37 (18), e9611, 2023.	<b>2.586</b>

19.	Anti-corrosion properties of expired ropinirole (ERN System) drug as inhibitor for mild steel in 1M HCl	Zastita Materijala	64 (4) 452 - 467 2023	<b>0.872</b>
20.	Experimental Studies on the Effect of Expired Amiodarone Drug (EAD) as a Corrosion Inhibitor on Mild Steel in 1M HCl	Materials	17(3), 751, 2024	<b>3.350</b>
21.	Anti-corrosive Efficiency of Expired Propranolol Drug as a Corrosion Inhibitor on Mild Steel in Acid Medium	High Temperature Corrosion of Materials	101, 351-367, 2024	<b>2.20</b>
22.	Corrosion Resistance Properties of Expired Granisetron Drug as an Inhibitor for Mild Steel in 1 M HCl	Portugaliae Electrochimica Acta	43, 37-54 2025	<b>1.10</b>

#### 15. Seminars / Conferences / Workshops Attended:

##### Conference / Seminar attended without presenting paper:

1. Attended a UGC Sponsored “**National Symposium on Recent Trends in Heterocyclic Chemistry** (NSRTHC-2004)” Conducted by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchippalli-20 during 24<sup>th</sup> & 25<sup>th</sup> September 2004.
2. UGC sponsored State Level Seminar on “**Emerging Trends in Chemistry**” Jamal Mohamed College, Tiruchirappalli 9<sup>th</sup> March 2006.
3. Attended a TANSCH and UGC Sponsored Three day Workshop on “**Curriculum Development and Evaluation**” Organized by UGC-Academic Staff College, Bharathidasan University, on 2-4<sup>th</sup> March 2006.
4. Attended a seminar on “**Advanced Topics in chemistry**” Jamal Mohamed College, Trichy on 13<sup>th</sup> & 14<sup>th</sup> March 2007.
5. Attended a seminar on “**Modern Techniques in Chemistry**” held on March 5 & 6, 2008, at Jamal Mohamed College, Tiruchirappalli, and Tamilnadu.
6. Attended UGC sponsored State Level Seminar on “**Frontier Studies in Chemistry**” held on February 9 and 10, 2010, at Jamal Mohamed College, Tiruchirappalli, Tamilnadu.

7. Participated NAAC sponsored National Seminar on **“Quality Enhancement in Teaching, Research and Extension in Higher Education Institutions-Prospects and Problems”** organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli -20, during 15<sup>th</sup> & 16<sup>th</sup> April 2010.
8. Participated UGC sponsored State Level Seminar on **“Recent Trends in Chemical Research (RTCR-2010)”** conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 5<sup>th</sup> and 6<sup>th</sup> October 2010.
9. Attended the Seminar on **“Creating Competitiveness to excel in higher education – a TQM approach”** organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli -20, on 8<sup>th</sup> December 2010.
10. Attended the seminar on **“Recent Developments in Chemistry”** held on 29<sup>th</sup> August 2011 at School of Chemistry, Bharathidasan University and Tiruchirappalli-24.
11. Participated a One Day Seminar on **“Teaching, Learning and Research in Higher Education-Excellence and Beyond Excellence”** Organized by IQAC, Jamal Mohamed College, Tiruchirappalli on 7<sup>th</sup> March 2012.
12. Participated a one day inter-collegiate workshop on **“ E-Content Development for Teaching- Learning”** organized by Internal Quality Assurance Cell & JMC Alumni Association, Jamal Mohamed College (Autonomous), Tiruchirappalli -20, on 22<sup>nd</sup> December 2015.
13. Participated in the One Day Workshop on **“The Role of a Teacher in the Present Scenario”** organized by the IQAC, Jamal Mohamed College, Tiruchirappalli-20, on 10.12.2016.
14. Participated in the **Three Day NLP-Based Faculty Empowerment Programme** organized by the IQAC, Jamal Mohamed College, Tiruchirappalli-20, on 17<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> June 2017.
15. Participated in the One Day Workshop on **“Writing Winnable Project Proposals”** organized by the IQAC, Jamal Mohamed College, Tiruchirappalli-20, on 23<sup>rd</sup> June 2018.
16. Participated in the International Seminar on **“Emerging Trends in Biological Research (ETBR-2018)”** organized by PG and Research Department of Biotechnology and Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 held on 3<sup>rd</sup> March 2018.



17. Participated a UGC-CPE Sponsored **“Two-Day Workshop on Professional Developments for Academic Leadership in Curriculum Design”** Organized by Curriculum Development Cell, Jamal Mohamed College, Tiruchirappalli on 18<sup>th</sup> and 19<sup>th</sup> January 2019.
18. Participated in the Staff Enrichment Programme on Ownership Culture, Organized by the IQAC of Jamal Mohamed College on 14.06.2019.
19. Participated a One Day Workshop on **“Quality Enhancement of Research: New Paradigm in Trans-Disciplinary Approaches and IPR”** Organized by IQAC and Innovation and Incubation Centre, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 06.09.2019.
20. Participated a One Day State Level Seminar on **“Preparing NSS Volunteers to Become Wholesome Personalities”** Jointly Organized by NSS Cell of Bharathidasan University and NSS Units of Jamal Mohamed College (Autonomous) on 21.03.2019 at Jamal Mohamed College, Tiruchirappalli-20.
21. Participated in National Level Faculty Development Program on **“Intellectual Property Rights: A Road Map”** organized by Islamiah Women’s Arts and Science College, Vaniyambadi on 30<sup>th</sup> July 2020.
22. Participated in International Virtual on **“Innovative Research in Chemical Sciences (IRCS-2020)”** organized by the Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai-89 during 29<sup>th</sup> and 30<sup>th</sup> June 2020.
23. Participated a One Day National Webinar entitled **“ ICT Enabled Science education in India”** jointly organized by Guru Angad Dev Teaching learning Centre, SGTB Khalsa College, University of Delhi under PMMMMNMTT of MHRD and Telangana Academy of Sciences, Hyderabad on 28.06.2020.
24. Participated a One Day National Webinar entitled **“Importance of Data Visualization”** jointly organized by Guru Angad Dev Teaching learning Centre, SGTB Khalsa College, University of Delhi under PMMMMNMTT of MHRD on 10.08.2021.
25. Participated a One Day National Webinar entitled **“Teacher’s e-Kit: A Four Quadrant Approach for Development of OERs”** jointly organized by Guru Angad Dev Teaching learning Centre, SGTB Khalsa College, University of Delhi under PMMMMNMTT of MHRD on 09.09.2021.

26. Participated FDP on “**Digital Teaching and Learning**”, Organized by Department of Chemistry, Jamal Mohamed College (Autonomous) under DBT Star College Scheme, from 24.01.2022 to 29.01.2022.
27. Participated a One Day Workshop on “**Effective Implementation of Outcome Based Education**”, organized by the Curriculum Development Cell, Jamal Mohamed College, Tiruchirappalli on 26.04.2022.
28. Participated a One Day Workshop on “**Outcome Based Education**”, organized by the Curriculum Development Cell, Jamal Mohamed College, Tiruchirappalli on 07.01.2023.
29. Participated in a Three-Day Workshop on “**Active Learning Techniques and Assessment to Achieve Outcome Based Learning**” Organized by Curriculum Development Cell, Jamal Mohamed College, Tiruchirappalli from 5<sup>th</sup> July to 7<sup>th</sup> July 2023.
30. Participated in One-Day National Webinar entitled “**Is Air Pollution Responsible for Increasing Rate of Lung Cancer?**”, organized by UGC- Malaviya Mission Teacher Training Centre (UGC-MMTTC), SGTB Khalsa College, University of Delhi in Collaboration with Indian Cancer Society, Delhi held on 02.03.2024.
31. Participated in the **National Seminar on Vaccinology** organized by Jamal Vaccine Research Centre (JVRC), PG and Research Department of Zoology, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 held on 09-12-2024.

#### **16. Papers Presented:**

1. Presented a Paper entitled “**Study of the Effect of 3-isopropyl-2,6-diphenyl piperidin-4-one act as inhibitor for the corrosion of mild steel in acidic medium.**”, at the DST-FIST sponsored National Conference on Recent Trends in Chemistry (NCRTC-2007) organized by **Bishop Heber College (Autonomous), Tiruchirappalli-17 on 12<sup>th</sup> October 2007.**
2. Presented a Paper in the “National symposium on Frontier areas in Chemistry” Sponsored by UGC, DST, DRDO & CSIR, organized by The American College, Madurai on January 10 and 11, 2008. Title: “A Study of inhibitive influence of N-Nitroso-3-methyl-2,6-diphenylpiperidin- 4-one on the corrosion of mild steel in 1M HCl medium”.

3. Presented a paper entitled **“Study on the effect of 2,6-bis(4-methoxyphenyl)- 3-methylpiperidin-4-one”** act as corrosion inhibitor for the corrosion of mild steel in 1 M H<sub>2</sub>SO<sub>4</sub> medium” in the National Conference on Recent Advances in Chemistry organized by the Department of Chemistry, Bishop Heber College, Trichy – 17 on **18<sup>th</sup> September 2009.**
4. Presented a paper entitled **“Study on the effect of N-(1-morpholinobenzyl)urea acting as corrosion inhibitor for the corrosion of mild steel in 1M H<sub>2</sub>SO<sub>4</sub> medium”** in the National Conference on Recent Advances in Textile and Electrochemical Sciences organized by the Department of Industrial Chemistry Alagappa University, Karaikudi during **December 4<sup>th</sup> -5<sup>th</sup> of 2009.**
5. Presented a paper entitled **“Adsorption and Corrosion inhibition effect of N-(1-morpholinobenzyl)acetamide on mild steel in 1M H<sub>2</sub>SO<sub>4</sub> Medium”** in the Two days State Level Seminar on “Recent Trends in Chemical Research (RTCR-2010)” organized by PG and Research Department of Chemistry, Jamal Mohamed College, on **5-6<sup>th</sup> October 2010.**
6. Presented a paper entitled **“Adsorption and Corrosion inhibition of Mild steel in Sulphuric Acid Solution by N-(morpholin-4-yl (phenyl)methyl)benzamide”** in the Twodays State Level Seminar on “New Vistas in Chemistry (NVC-2012)” organized by PG and Research Department of Chemistry, Jamal Mohamed College, on **4-5<sup>th</sup> January 2012.**
7. Presented a paper entitled **“Adsorption and Corrosion Inhibition effect of N-[(4-Chlorophenyl)(Morpholin-4-yl)Methyl]Benzamide on Mild Steel in 1.0 M Hydrochloric acid medium”**, in the National Conference on Current Trend in Chemistry Research (NCTCR-2013) organized by the PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli-20, on **27<sup>th</sup> and 28<sup>th</sup> February 2013.**
8. Presented a paper entitled **“Adsorption and corrosion inhibition effect of 4-[(3-nitrophenyl)(2-phenylhydrazinyl)methyl]morpholine on mild steel in sulphuric acid medium”** in the International Conference on Chemical and Environmental Research (ICCER-2014), Organized by the PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), during **11-12, March 2014.**

9. Presented a paper entitled “Adsorption and Corrosion inhibition efficiency of 4-[3-nitrophenyl)(2-phenylhydrazinyl)methyl]morpholine on mild steel in 2.0 M HCl medium” in the UGC Sponsored National Seminar on “ New Opportunities and Challenges in Chemical Research” organized by PG and Research Department of Chemistry A. V. V. M. Sri Pushpam College, Poondi, Thanjavur, in collaboration with Association of Chemistry Teachers Mumbai, held on 29-30<sup>th</sup> December, 2014.
10. Presented a paper entitled “**N-((4-chlorophenyl)(morpholino)methyl)acetamide as corrosion inhibitor for mild steel in Hydrochloric acid medium**” in the National Conference on Current Scenario in Material Chemistry (CSIMC-2015), **Organized by the PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), during 09-10<sup>th</sup>, February 2015.**
11. Presented a paper entitled “**N-((4-chlorophenyl)(morpholino)methyl)urea as corrosion inhibitor for mild steel in hydrochloric acid medium**” in the International Conference on Chemical and Environmental Research (ICCER-2015)” **Organized by the PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 17<sup>th</sup> December 2015.**
12. Presented a paper entitled “**N-((4-chlorophenyl)(morpholino)methyl)urea as corrosion inhibitor for mild steel in hydrochloric acid medium**” in the International Conference on Chemical and Environmental Research (IRCS-2016), **Organized by the PG and Research Department of Chemistry, Khadir Mohideen College, Adirampattinam-614 701 on 25<sup>th</sup> September 2016.**
13. Presented a paper entitled “**N-((4-methoxyphenyl)(morpholino)methyl)thiourea as corrosion inhibitor for mild steel in sulphuric acid medium**” in the International Conference on Chemical and Environmental Research (ICCER-2017)” **Organized by the PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 07<sup>th</sup> January 2017.**
14. Presented a paper entitled “**Thermodynamic, Electrochemical and Surface Morphology investigation of N-4-chlorophenyl(Morpholinomethyl)thioacetamide as corrosion inhibitor for mild steel in Sulphuric Acid medium**” in the National Level Seminar on Recent Advancements in Materials (NLS-RAM;17), **organized by PG and Research Department of Physics, Jamal Mohamed College, Tiruchirappalli-20 on 15<sup>th</sup> February 2017.**

15. Presented a paper entitled **“N-((4-chlorophenyl)morpholin-4-yl)methyl)acetamide as corrosion inhibitor for mild steel in 1.0 M H<sub>2</sub>SO<sub>4</sub> medium”** in the National Conference on Recent Developments in Chemistry (NCRDC-2018)” **Organized by the PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 20<sup>th</sup> January 2018.**
16. Presented a paper entitled **“Thermodynamic, Electrochemical and Surface Morphology Investigation of N-((4-Chlorophenyl)(Morpholino)methyl)thioacetamide as Corrosion Inhibitor for Mild Steel in Hydrochloric acid Medium”**, in the 4<sup>th</sup> International Conference on Chemical and Environmental Research (ICCER-2018), **organized by PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 19<sup>th</sup> December 2018.**
17. Presented a paper entitled **“Thermodynamic, Electrochemical and Surface Morphology Investigation of N-(4-chlorophenyl)(morpholinophenyl)thioacetamide as corrosion inhibitor for mild steel in 1M HCl”** in the Recent Advancements in materials (NLS-RAM:17)**organized by the PG and Research Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 15<sup>th</sup> February 2020.**
18. Presented a paper entitled **“Thermodynamic, Electrochemical and Surface Morphology Investigation of N-((4-methoxyphenyl)(morpholino)methyl)acetamide as corrosion inhibitor for mild steel in sulphuric acid medium”** in the 5<sup>th</sup> International Conference on Chemical and Environmental Research (ICCER-2020), **Organized by the PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 8<sup>th</sup> January 2020.**
19. Presented a paper entitled **“Removal of Malachite Green Dye from Aqueous Solution by activated carbon prepared from Samanea Saman Leaf (Rain Tree)”**, in the 6<sup>th</sup> International Conference on Chemical and Environmental Research (ICCER-2020-Virtual), **Organized by the PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 12<sup>th</sup> November 2020.**

20. Presented a paper entitled **“Inhibition of Corrosion of Mild Steel in 1.0 M HCl by Expired Alogliptin Drug”** in the Two Days International Virtual Conference on Recent Trends in Functional Materials (RTFM-2022) **Organized by Department of Chemistry in Association with Selvam Institution’s Innovation Council (SIIC), Selvam Arts and Science College, Namakkal on 23.03.2022 and 24.03.2022.**
21. Presented a Paper entitled **“Investigation into the metabolism of Non-Steroidal SARMS-LY2452473 and GSK2881078 in thoroughbred Horses for Doping Control”** in the 8<sup>th</sup> International Conference on Recent Advances in Chemical and Environmental Research (ICRACER-2023), **Organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli-20 on 20<sup>nd</sup> December 2023.**
22. Presented a Paper entitled **“Inhibition of Corrosion of Mild Steel in 1.0M HCl by Expired Methyl Preonisolone Drug”** in the 9<sup>th</sup> International Conference on Recent Advances in Chemical and Environmental Research (ICRACER-2024), **Organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli-20 on 18<sup>th</sup> December 2024.**
23. Presented a Paper entitled **“Sustainable Corrosion Inhibition: Exploring the Potential of Expired Vilagliptin Drug”** in the International Conference on Materials Science and Green Energy (ICMSGGE-2025), **Jointly Organized by Department of Chemistry, Physics and Electronics, Selvamm Arts and Science College (A), Namakkal on 14-02-2025.**

**17. Online Courses/FDP Completed:**

1. Completed a Five-Day National Level Online Course on **“Chemistry in Our Day-to-day Life”** conducted under DBT Star College Scheme by the PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 from 4<sup>th</sup> June 2020 to 8<sup>th</sup> June 2020.
2. Completed a 3 Days online Course on **“Basic Principles of Spectroscopy”** organized by Department of Chemistry, AVS College of Arts and Science, Salem, from 17.04.2020 to 19.04.2020.

3. Participated a One Day National Level FDP on **“Future of Examinations: Bloom’s Taxonomy and Multiple Assessment Tools”** Conducted by G.T. N. Arts College (Autonomous), Dindigul on 08.06.2020.
4. Completed a 5-Days online Faculty Development Programme on **“Prospective Research for Sustainable Development”** organized by the Department of SRM Institute of Science and Technology, Ramapuram Campus, Chennai-89, in association with Association of Chemistry Teachers (ACT), Mumbai from 20.07.2020 to 24.07.2020.
5. Participated in National Level Faculty Development Program on **“Intellectual Property Rights: A Road Map”** organized by Islamiah Women’s Arts and Science College, Vaniyambadi on 30<sup>th</sup> July 2020.
6. Completed a 14-days Online Faculty Development Programme on **“Materials Science & Nanotechnology (FDP-MSNT-2020)”** organized by Department of Chemistry, B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai-48 from 03.08.2020 to 17.08.2020.
7. Participated a Three Days National Online FDP on **“ICT Tools for Effective Teaching Learning”**, Organized by IQAC, Kamala Nehru Mahavidyalaya, Nagpur from 08.06.2021 to 10.06.2021.
8. Participated in a One Week Online International FDP on **“Facets of Teaching”**, organized by Tamilnadu Teacher’s Education University, Chennai & Lakshmi College of Education, Gandhigram, Dindigul from 14.06.2021 to 20.06.2021.
9. Participated an Online **Faculty Enrichment Programme** organized by IQAC, Jamal Mohamed College, Tiruchirappalli from 21.06.2021 to 25.06.2021.
10. Participated in a **Five-Day Faculty Development Programme**, jointly organized by Department of Chemistry and IQAC, from 05-06-2024 to 09.06.2024.
11. Participated in a **Five-Day Upskilling Programme**, Jointly organized by PG and Research Department of English and IQAC, from 10-08-2024 to 23-08-24.

### **18. Resource Person/ Chair Person/ Doctoral Committee Member and Judge:**

1. Acted as a **Resource Person for Chemistry Club Activities** at Cauvery College for Women, Tiruchirappalli-18 on 23.07.2010.
2. Acted as a **Resource Person for Staff Selection Interview** for the Department of Chemistry at Theivanai Ammal College for Women (Autonomous), Villupuram on 06.05.2014.
3. Acted as a **Resource Person** and delivered a special lecture on “**HIV/AIDS Awareness**” at Kumarapatty nearby Fathima Nagar, Tiruchirappalli, jointly organized by PG and Research Department of Social Work and Red Ribbon Club of Jamal Mohamed College as a Part of Rural Camp held on 10<sup>th</sup> September 2018.
4. Served as a **Judge in the Talent Search Competitions** (Poster Presentations) organized by the Civil Services Examination Study Centre, Jamal Mohamed College (Autonomous), Tiruchirappalli-20, on 23th January 2019.
5. Acted as a Resource Person and delivered a special lecture on (Lecture1) **The Role of Education in Human Resource Development** and (Lecture 2) **An Overview of Molecular Spectroscopy** on 29.11.2019 at Selvam Arts and Science College (Autonomous), Namakkal.
6. Served as a **Doctoral Committee Member** at Nehru Memorial College (Autonomous), Puthanampatti (Autonomous), Tiruchirappalli-621 007. (2017-2021).
7. Served as a **Doctoral Committee Member** at Holy Cross College (Autonomous), Puthanampatti (Autonomous), Tiruchirappalli-621 007. (2018-2022)
8. Served as a Judge in the Intra-Department Extravaganza” CHEM-FIESTA 19” organized by the PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli on 18.09.2019.
9. Served as a **Judge in the State Level Intercollegiate Extravaganza” JAM CHEM-FIES-2K20”** organized by the PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli on 27.02.2020.
10. Served as a **Jury in Speech Competition** in the National Science Day Celebrations held on 28.02.2020, organized by Jamal Mohamed College (autonomous), Tiruchirappalli-20.
11. Served as a **Jury in Talk-a-Minute Competition** in the National Science Day Celebrations held on 03.03.2021, organized by Jamal Mohamed College (autonomous), Tiruchirappalli-20.



12. Served as a **Chair person for the Paper Presentation** session at the International Conference on Frontiers in Chemical Research (ICFCR-21) organized by the PG and Research Department of Chemistry, Bishop Heber College (Autonomous) on 4<sup>th</sup> February 2021 at Bishop Heber College, Tiruchirappalli-17.
13. Served as a **Jury in Poster Presentation Competition** in the National Science Day Celebrations held on 28.02.2022, organized by Jamal Mohamed College (autonomous), Tiruchirappalli-20.
14. Served as the **Chair person for the Paper Presentation session** at the International Conference on Frontiers in Chemical Research (ICFCR-22) organized by the PG and Research Department of Chemistry, Bishop Heber College (Autonomous) on 3<sup>rd</sup> and 4<sup>th</sup> February 2022 at Bishop Heber College, Tiruchirappalli-17.
15. Acted as a **Resource Person** and delivered a special lecture on **“Women and Cancer”** at Jamal Mohamed College, Tiruchirappalli, organized by PG and Research Department of Chemistry(SF), Jamal Mohamed College as a Part of National Cancer Awareness Day Celebration -2022 held on 07<sup>th</sup> November 2022.
16. Served as Judge for Chem-Expo event in the Chem-Fiesta-2023 (A State Level Intercollegiate Extravaganza), organized by the Department of Chemistry (SF), Jamal Mohamed College, Tiruchirappalli-620 020, on 01.03.2023.
17. Served as a **Resource Person** in the One Week Certificate Programme on **“Spectroscopic and Chromatographic Techniques (A Hands-on Training)”** organized by Jamal Instrumentation Centre (JAMIC), Jamal Mohamed College, Tiruchirappalli-20 from 9<sup>th</sup> March 2023 to 13<sup>th</sup> March 2023.
18. Served as a **Judge** for Chem- Master Event in the JAM CHEM FEST 2K23 (A National Level Intercollegiate Fest), organized by the PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli-620 020, on 14.03.2023.
19. Served as a **Resource Person** and delivered a Special Lecture on **“Respecting Diversity Through Joint Social Action”** Organized by PG and Research Department of Social Work, Jamal Mohamed College, Tiruchirappalli-20, on 09.08.2023.
20. Served as a **Resource Person** in the Faculty Development Programme on **“Instrumentation of UV-Visible, FT-IR & FT-Raman Spectroscopy”** jointly organized by PG and Research Department of Chemistry, PG and Research Department of Physics and Jamal Instrumentation Centre (JAMIC), Jamal Mohamed College, Tiruchirappalli-20 from 4<sup>th</sup> December 2023 to 8<sup>th</sup> December 2023.

21. Served as a **Doctoral Committee Member** at Nehru Memorial College (Autonomous), Puthanampatti (Autonomous), Tiruchirappalli-621 007. (from 20.09.2023 to ).
22. Served as **Organizing Committee Member** in the 8<sup>th</sup> International Conference on Recent Advances in Chemical and Environmental Research (IRACER-2023), organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli on 20.12.2023.
23. Served as a **Judge in Chem-Meme** event in the **Chem-Fiesta 24** (A National Level Intercollegiate Extravaganza) organized by PG and Research Department of Chemistry (SF), Jamal Mohamed College, Tiruchirappalli-20, held on **23.01.2024**.
24. Served as a **Resource Person** in the One Week Certificate Programme on **“Spectroscopic and Chromatographic Techniques (A Hands-on Training)”** organized by Jamal Instrumentation Centre (JAMIC), Jamal Mohamed College, Tiruchirappalli-20 from **09-02-2024 to 15-02-2024**.
25. Served as a **Reviewer in the Journal of Bio and Tribo-Corrosion** (Springer Nature Publications) on 2024.
26. Served as a **Doctoral Committee Member** at Bishop Heber College (Autonomous), Tiruchirappalli. (2024-till date).
27. Served as a **Reviewer in the Journal of Discover Applied Sciences** (Springer Nature Publications) on 2024.
28. Served as a **Judge in Essay Writing Competition** in the National Chemistry Day Celebration-2024 organized by Department of Chemistry (SF-Women), Jamal Mohamed College, Tiruchirappalli-20 on **02-08-2024**.
29. Served as **Organizing Committee Member** in the 9<sup>th</sup> International Conference on Recent Advances in Chemical and Environmental Research (IRACER-2024), organized by PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli on **18.12.2024**.
30. Acted as a **Executive Committee Member** in the Science Camp under **INSPIRE INTERNSHIP SCHEME, DST-FIST, Government of India Funded Programme**, organized by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli from **26-12-2024 to 31-12-2024**.
31. Served as a **Resource Person** in a State Level Certificate Programme on Spectroscopic and Chromatographic Techniques (A Hand-on Training) organized by JAMIC on the topic of **“UV-Visible Spectrophotometer: Theory, Instrumentation and Interpretation”** from **17-02-25 to 21-02-25**.

32. Served as a **Reviewer in the Journal of Discover Chemistry** (Springer Nature Publications) on 2025.

### **19. E-Contents Prepared:**

- E-Content “*Reagents Preparation and its Validation*” is prepared for Chemistry Department.
- A Chapter “*Personal Competence*” is written and E-Content prepared for Moral Education-III of Centre for Human Excellence.  
E-link; <https://youtu.be/rjJONoelN9A>
- E-Content “*Tawheed*” is prepared for Deeniyath Education.
- E-Content “*Cancer-Part-I*” is prepared for Chemistry Department
- E-Content “*Franck-Condon Principle*” is prepared for Chemistry Department
- E-Content “*Thermodynamics-Problems*” is prepared for Chemistry Department
- E-Content “*Electrochemistry Part-I*” is prepared for Chemistry Department

### **20. Academic Responsibilities:**

- NSS Programme Officer (01.06.2017 to 31.05.2020)
- UBA Programme Officer (20.09.2018 to 31.05.2020)
- Vice-President of Chemistry Association (01.06.2013-31.05.2015)
- Organizing Secretary & Convener- 5<sup>th</sup> International Conference on Chemical and Environmental Research -ICCER-2020 (08.01.2020)
- Department CIA-Examination Incharge (2018-2019)
- Incharge for COP Programme (2009-2010, 2013-2014)
- UV-Visible Spectrometer Instrumentation incharge (2012-2015)
- EC-Member of JMC Baithulmal Society (2017-2019)
- EC-Member of Extra Curricular Activities Committee (2017-2020)
- Department Remedial Coaching Classes incharge (2018-2019)
- M.Phil., Chemistry Admission Committee Member (2007 -2020)
- Incharge for State Level Meelad Day Easy Writing Competition for College Students (2013-2014)
- Class Tutor (2005-2008; 2009-2012; 2012-2015; 2017-2020: 2021-2024)
- Faculty Member in Deeniyath Education (2004 to till date)
- BOS Member in UG, PG and M.Phil. Chemistry (2007 to till date)
- Department Member of Curriculum Development Cell (2020 to till date)
- Department Staff Welfare incharge (2021 to till date)

- UV-Visible Spectrometer Instrumentation incharge in Jamal Instrumentation Centre (JAMIC) (2023 to till date).
- Executive Committee Member – JMC-NDLI Club (2024 to till date)
- Executive Committee Member- JMC- Staff Association (2024 to till date)

## **21. Awards/ Appreciation/ Recognition:**

- Received **College level Duraisamy Memorial Part-I Tamil Topper Award** (2000-2001) from Jamal Mohamed College, Tiruchirappalli.
- Secured **University 12<sup>th</sup> Rank in M.Sc., Chemistry** (2002-2003) from Bharathidasan University, Tiruchirappalli.
- Received **MNP Memorial Rolling Cup and Cash Award for Deeniyath Paper -III Competitive Examinations** (2002-2003) from Department of Deeniyath Education, Jamal Mohamed College, Tiruchirappalli.
- Received University Level **Best NSS Programme Officer Award (2018-019)** from Bharathidasan University on **29.01.2020**.
- Recognized as a **Research Advisor in Chemistry for Ph.D. Programme** offered by Bharathidasan University, Tiruchirappalli-23.
- Received an Appreciation from **Wiley Publishers for Top Cited Paper** in the Rapid Communication in Mass Spectrometry for the year 2022-2023.

**Signature of the Staff**