

JAMAL MOHAMED COLLEGE (Autonomous)

(College with Potential for Excellence)

Reaccredited (3rd Cycle) with 'A' Grade by NAAC

Tiruchirappalli - 620 020.

RESUME

DEPARTMENT OF CHEMISTRY (Aided)



- 1. Name** : Dr. S.S.Syed Abuthahir
- 2. Designation** : Assistant Professor
- 3. Qualification** : M.Sc., M.Phil., Ph.D., DCA & MDTP.,
- 4. Date of birth** : 08.05.1985
- 5. Address:**
- Office** : P.G & Research Department of Chemistry,
Jamal Mohamed College (Autonomous),
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6. Educational Qualifications:

S.No.	Examination Passed	College / University	Year of Passing
1.	B.Sc. (Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy.	2006
2.	M.Sc. (Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy.	2008
3.	M.Phil (Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy.	2009
3.	Ph.D (Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy.	2015
4.	DCA & MDTP	Jamal Mohamed College, (Ministry of Human Resource Development), Delhi.	2005

7. Experience : **Undergraduate:** 7 Years 4 Months
: **Postgraduate** : 8 Months

8. Areas of Specialization : Corrosion Inhibitors, Inorganic Chemistry

9. Languages known : Tamil & English

10. Subjects Taught:

Under Graduate/ Postgraduate : 1. Inorganic Chemistry
2. Organic Chemistry
3. Physical Chemistry

11. Research Experience:

1. Corrosion Inhibitors
2. Inorganic Metal Complexes Synthesis
3. Synthetic Organic Chemistry

12. Teaching Experience:

2009-2010: MAR College of Engineering and Technology (Affiliated to Anna University of Technology, Tiruchirappalli), Viralmalai, Tiruchirappalli, Tamilnadu, India.
(Handled Classes for B.E (Bachelor of Engineering) Graduates

2010-2015: RVS School of Engineering and Technology (Affiliated to Anna University Chennai) Dindigul, Tanmilnadu, India.
(Handled Classes for B.E (Bachelor of Engineering) Graduates

2016-Present: Jamal Mohamed College (Autonomous) (Affiliated to Bharathidasan University, Trichy) Tiruchirappalli, Tamilnadu, India.
Handling Classes for Graduates and Post Graduates in Chemistry.

13. Research Area of Interest:

1. Corrosion Inhibitors
2. Inorganic Metal Complex Synthesis
3. Synthetic Organic Chemistry

14. Additional Responsibilities:

- ❖ Served as **Examcell Coordinator** in RVS Educational Trust's Group of Institutions, Dindigul from 02.08.2010 to 30.01.2016.
- ❖ Acted as **Chief Superintendent** for Tamilnadu Public Service Examinations (6 times).
- ❖ Served as **First Year Academic Co-ordinator** in RVS School of Engineering and Technology, Dindigul, from 2010 to 2011.
- ❖ Member Incharge for College Calendar and General Time Table at RVS School of Engineering and Technology, Dindigul during the academic year 2010 - 2011.
- ❖ Acted as Anna University Representative (AUR) for Anna University, Chennai April/May-2014 Theory Examinations.
- ❖ Acted as Chief Anna University Representative (CAUR) for Anna University, Chennai Nov/Dec-2015 Theory Examinations.
- ❖ Acted as Internal and External Examiner for Anna University Practical Examinations.
- ❖ Acted as Examiner for Anna University Chennai central Valuation.
- ❖ Served as **Editor** of **Anti Dowry Association (ADA)**, Jamal Mohamed College, Tiruchirappalli, India, from 2005 to 2006.

15. Details of Publications :

1. International Journal of Technology and Engineering Science, 1 (3), (2013), 226-230.
Title: Corrosion Inhibition of Mild Steel by 1-(8-Hydroxyquinolin-2-yl-methyl) urea.
2. Indian Journal of Applied Research, 3 (7), (2013), 116-119.
Title: Inhibition of Mild Steel Corrosion by Nickel Complex of 1-(8-Hydroxyquinolin-2-yl-methyl) urea in Sodium Chloride solution.
3. European Chemical Bulletin, 2(11), (2013), 932-935.
Title: Electrochemical and Surface Analysis Studies on Corrosion Inhibition of Mild Steel by 1-(8-Hydroxyquinolin-2-yl-methyl) thiourea.
4. Applied Chemistry, 61, (2013), 16837-16841.
Title: Electrochemical behavior of Zinc Complex of 1-(8-Hydroxyquinolin-2-yl-methyl) urea as Corrosion Inhibitor for Mild Steel.
5. European Chemical Bulletin, 2(12), (2013), 1041-1044.
Title: Highly Effective Inorganic Corrosion Inhibitor for Mild Steel in Sodium Chloride Solution.

6. European Chemical Bulletin, 3(1), (2014), 40-45.
Title: Inhibition of Mild Steel Corrosion by 1-(8-Hydroxyquinolin-2yl- methyl) urea.
7. Oriental Journal of Chemistry, 27(1), (2011), 333-335.
Title: Synthesis and Characterization of new Spiro Heterocycles.
8. Chemical Science Transactions, 3(1), (2014), 303-313.
Title: Synthesis, Spectral Studies and Antibacterial Activities of 8-Hydroxyquinoline Derivative and its Metal Complexes.
9. Proceedings of the UGC Sponsored One Day National Level Seminar on Recent Advances in Chemistry.
Title: Corrosion resistance of mild steel by Zinc Complex of 1-(8-Hydroxyquinolin-2yl-methyl) urea in Sodium chloride Solution.
10. Journal of Chemical, Biological and Physical Sciences,4(4), (2014), 3001-3010.
Title: Investigation on the Inhibition of Mild Steel Corrosion in neutral solution by 1-(8- Hydroxy quinolin-2yl-methyl) thiourea.
11. The Open Material Science Journal, 8, (2014), 71-80.
Title: Inhibition effect of copper complex of 1-(8-Hydroxy quinolin-2yl-methyl) thiourea on the corrosion of mild steel in Sodium Chloride solution.
12. International Journal of Nano Corrosion Science and Engineering, 1(1), (2014), 63-73.
Title: Recent Trends in terpolymer preparation and characterization- An overview.
13. Journal of the International Association of Advanced Technology and Science, 16, Feb, 2015.
Title: Corrosion inhibition of mild steel in Sodium Chloride solution by Nickel complex of 1-(8-Hydroxy quinolin-2yl-methyl) thiourea.
14. Journal of Chemical and Pharmaceutical Research, 7(10S), (2015), 193-200.
Title: Corrosion inhibition of mild steel in Sodium Chloride solution by Copper complex of 1-(8-Hydroxy quinolin-2yl-methyl) urea.
15. Journal Applied Chemical Science International, 5(3), (2016), 134-146.
Title: Electrochemical study of the corrosion behavior of Mild steel with Zinc Complex of 1-(8-Hydroxy quinolin-2yl-methyl) thiourea as Inhibitor in Sodium Chloride solution.
16. New Invention of RVSSOET Published in Dinamalar News Paper on 02.07.2015.
Title: Decolourisation of Sewage from Paint industry by using sea water.
17. International Journal of Nano Corrosion Science and Engineering, 2(5), (2015), 270-280.
Title: Corrosion resistance of Galvanized Iron immersed in simulated concrete pore solution prepared in well water in the presence of neem extract.

18. Journal of Chemical and Pharmaceutical Research, 8(1S), (2016), 5-11.
Title: Synthesis, Characterization and Biological Activities of 1,3,4-Thiadiazole Derivatives.
19. Journal of Chemical and Pharmaceutical Science, 9(1), (2016), 166-168.
Title: Cannons of Dindigul Fort- A marvel of Indian Metallurgical Skill.
20. International Journal of Advanced Chemical Science and Applications, 3(4),(2015), 54-59.
Title: Synergistic Corrosion Inhibition Effect of Carbon Steel in Sea Water By Hydroxy Proline - Zn²⁺ System.
21. International Journal of Nano Corrosion Science and Engineering, 3(4), (2016), 428-442.
Title: Cobalt Complex of 8-Hydroxy quinoline Derivative as Potential Corrosion Inhibitor for Mild Steel in aqueous Sodium Chloride Solution.

16. Details of Papers Presented:

1. Presented a research paper entitled "Synthesis, Characterization and Biological activities of some Imidazoline derivatives" in the National Conference on Frontiers in Chemistry Organised by SRM University Chennai on 24th & 25th January 2009.
2. Presented a research paper entitled "Synthesis, Characterization and Anti-Microbial activities of some Imidazoline derivatives" in National level seminar on Recent Trends in Chemistry organized by Gobi Arts & Science College Gobichettipalayam on 2nd February 2009.
3. Presented a research paper entitled "Synthesis, Characterization and Anti-Microbial activities of some Thiadiazole derivatives" in the state level seminar on Modern Techniques in Chemistry Organised by Jamal Mohamed College, Trichy during 5th & 6th March 2009.
4. Presented a research Paper entitled "Synthesis and Characterization of Some Novel Heterocycles" CSIR Sponsored National Seminar on Modern Trends in chemistry Organized by PSNA College of Engineering and Technology, Dindigul on 23rd & 24th February 2012.
5. Presented a research Paper entitled "Synthesis, Characterization and Antibacterial Activities of 8-hydroxyquinoline Derivatives" in the National Conference on Recent Advances in Chemical Sciences Organized by University College of Engineering, Dindigul on 20th February 2013.
6. Presented a research Paper entitled "Investigation on the Inhibition of Mild Steel in Sodium Chloride Solution by 1-(8-hydroxy quinolin-2yl-methyl) thiourea" in the One Day National Conference on Recent Trends in Material Science Organized by M.Kumarasamy College of Engineering, Karur on 7th November 2013.

7. Presented a research Paper entitled "Synthesis and Spectrometric Studies on the Charge Transfer Complex of 1-(8-hydroxy quinolin-2yl-methyl) urea with DDQ" in the UGC Sponsored One Day National Level Seminar on Recent Advances in Chemistry Organized by GTN Arts College, Dindigul, on 18th March 2015.
8. Presented a research Paper entitled "Investigation on the Inhibition of Mild Steel in Sodium Chloride Solution by Nickel Complex of 1-(8-hydroxy quinolin-2yl-methyl) urea" in the Two Days National Seminar on Modern Trends in Chemistry Organized by PSNA College of Engineering and Technology, Dindigul on 24th & 25th July 2014.
9. Presented a research Paper entitled "Synthesis of Silver Nanoparticles using Sodium Potassium Tartate as reducing agents by Electrochemical Method" in the UGC Sponsored One Day National Level Seminar on Recent Advances in Chemistry Organized by GTN Arts College, Dindigul, on 18th March 2015.
10. Presented a research Paper entitled "Corrosion resistance of mild steel by Zinc Complex of 1-(8-hydroxyquinolin-2yl-methyl) urea in Sodium chloride Solution" in the UGC Sponsored One Day National Level Seminar on Recent Advances in Chemistry Organized by APA College of Arts and Culture, Palani, on 11th August 2014.
11. Presented a research Paper entitled "Influence of Copper Complex of 1-(8-hydroxy quinolin-2yl-methyl) urea on Inhibition of Corrosion of Carbon Steel in Sodium Chloride solution" in the UGC Sponsored One Day National Level Seminar on Recent Advances in Chemistry Organized by GTN Arts College, Dindigul, on 18th March 2015.
12. Presented a research Paper entitled "Synthesis, Characterization and Antibacterial activities of Schiff Base and its Zinc Complex" in the UGC Sponsored One Day National Level Seminar on Recent Advances in Chemistry Organized by GTN Arts College, Dindigul, on 18th March 2015.
13. Presented a research Paper entitled "Synthesis and Spectrometric Studies on the Charge Transfer Complex of 1-(8-hydroxy quinolin-2yl-methyl) urea with DDQ" in the UGC Sponsored One Day National Level Seminar on Recent Advances in Chemistry Organized by GTN Arts College, Dindigul, on 18th March 2015.
14. Presented a research Paper entitled "Electrochemical Synthesis of Silver Nanoparticles Using Trisodium Citrate as reducing agents" in the UGC Sponsored One Day National Level Seminar on Recent Advances in Chemistry Organized by GTN Arts College, Dindigul, on 18th March 2015.
15. Presented a research Paper entitled "Corrosion inhibition of mild steel in sodium chloride solution by Copper Complex of 1-(8-hydroxy quinolin-2yl-methyl) urea" in the SERB

Sponsored Two Days National Conference on Bio-inorganic Chemistry in Medicinal fields at Mohamed Sathak Engineering College, Ramanathapuram, on 28th & 29th August 2015.

16. Presented a research Paper entitled “Corrosion inhibition of mild steel by Copper Complex of 8-hydroxy quinoline Derivatives” in the National Seminar on Recent Challenges to Environment at Sakthi College of Arts and Science for Women, Oddanchathram, on 25th September 2015.
17. Presented a research Paper entitled “Cannons of Dindigul Fort- A marvel of Indian Metallurgical Skill” in the International Conference on Recent Advancement in Materials at Anna University BIT Campus, Trichy, on 16th & 17th October 2015.
18. Presented a research Paper entitled “Synthesis, Characterization and Biological activities of 1,3,4-Thiadiazole Derivatives ” in the Two Days National Conference on Recent Frontiers in Bioinorganic and Medicinal Chemistry at Sree Sowdambiga Engineering College, Aruppukkottai, on 27th & 28th November 2015.
19. Presented a research Paper entitled “Green Synthesis of Nano Iron Oxide Particles from mild steel” in the Three Days International Conference on Nanomaterials for Frontier Applications Organized by Coimbatore Institute of Technology, Coimbatore Jointly with Bergen University College, Norway, on 2nd to 4th December 2015.
20. Presented a research Paper entitled “Corrosion Inhibition by Self Assembling Nano Films of Tween60 on mild steel surface” in the Three Days International Conference on Nanomaterials for Frontier Applications Organized by Coimbatore Institute of Technology, Coimbatore Jointly with Bergen University College, Norway, on 2nd to 4th December 2015.
21. Presented a research Paper entitled “Synthesis of 1-(8-Hydroxy quinolin-2yl-methyl) thiourea and Interaction studies on the charge transfer complexes of 8HyQMTU with 2, 3-dichloro-5,6-dicyano-1,4-benzoquinone” in the International Conference on Recent Advances in Materials and Chemical Sciences at Gandhigram Rural Institute – Deemed University, Dindigul on 14th & 15th December 2015.
22. Presented a research Paper entitled “Corrosion resistance of Galvanized Iron immersed in simulated concrete pore solution prepared in well water in the presence of neem extract” in the International Conference on Chemical and Environmental Research at Jamal Mohamed College, Tiruchirappalli on 17th December 2015.
23. Presented a research Paper entitled “Synergistic Corrosion Inhibition Effect of Carbon Steel In Sea Water By Hydroxy Proline - Zn²⁺ System” in the Seminar on Environment and Sustainable Development (SESD 2016) at SRM University, Kattankulathur, Chennai on 3rd June 2016.

24. Presented a research Paper entitled “Cobalt Complex of 1-(8-hydroxy quinolin-2-yl-methyl-urea) as a Corrosion Inhibitor for Mild Steel in Sodium Chloride Solution” in National Seminar on Innovative Research on Chemical Sciences (IRCS-2016) at Khadir Mohideen College, Adirampattinam, on 25th September 2016.
25. Presented a research Paper entitled “Cobalt Complex of 8-hydroxy quinoline Derivative as Potential Corrosion Inhibitor for Mild Steel in Sodium Chloride Solution” in National Level Seminar on New Perspective in Science and Technology (NPST-2016) at St. Antony’s College of Arts and Science for Women, Dindigul, on 07th October 2016.

17. Details of Seminars / Conferences / Workshops Participated:

1. Participated in the seminar on “Advanced Topics in Chemistry” at Jamal Mohamed College, Trichy during 13th & 14th March 2007.
2. Participated in the workshop on “Micro-Organic Reaction and Technology for Process Intensification” at NIT, Trichy during 11th January 2008.
3. Participated in the National Level workshop on “Application of Radiation and Radioisotopes” at St. Joseph’s College Trichy during 15th & 16th February 2008.
4. Participated in the National Level seminar on “Recent Trends in Physical Organic Chemistry” at National College Trichy during 11th & 12th February 2008.
5. Attended the National Level workshop on “Application of Radiation and Radioisotopes” at St. Joseph College, Trichirappalli on 15th and 16th February, 2008.
6. Attended the Faculty Development Program on Requirements of Effective Question Paper Setting and Efficient Evaluation Process Sponsored by Anna University of Technology, Madurai and organized by the Raja College of Engineering and Technology, Madurai on 11 March, 2011.
7. Participated in a Two-Week ISTE Workshop on Introduction to Research Methodologies Conducted by Indian Institute of Technology, Bombay and Organized by RVS College of Engineering and Technology, Coimbatore from 25th June to 04th July, 2012.
8. Participated in a One Day Workshop on Fire and Safety Training Program Conducted by Ratnaa Sales Corporation, Organized by RVS College of Engineering and Technology, Dindigul on 14th March 2014.
9. Participated in a One Day Workshop on Latex for Academics and Researchers Program Organized by Ratnavel Subramaniam College of Engineering and Technology, Dindigul on 21st February 2015.

10. Participated in a One Day Workshop on “Here is money where is Ideas” Program Organized by Ratnavel Subramaniam College of Engineering and Technology, Dindigul on 24th July 2015.
11. Participated in a One Day Workshop on “Hands on Training Using MATLAB” Program Organized by Ratnavel Subramaniam College of Engineering and Technology, Dindigul on 04th September 2015.
12. Participated in a one Day National Symposium on “Recent Developments in Chemistry” at Madurai Kamaraj University, Madurai during 4th June 2016.

18. Peer Reviewer:

- ❖ Reviewer of International Journal of Nano Corrosion Science and Engineering.
- ❖ National Advisory Board member of International Journal of Nano Corrosion Science and Engineering.
- ❖ Reviewer of Science Asia, Thailand.

19. Organizer for Workshops:

- ❖ **Organized Awareness Camp on “Drug Abuse and Illicit Trafficking”** on 17.03.2014, at RVS Educational Trust’s Group of Institutions, Dindigul-05.

20. Personal Profile:

Father’s Name	:Late.S.Syed Ismail
Marital Status	:Married
Sex	:Male
Nationality	:Indian
Permanent Address	: No.4/44, Pallivasal Street :Pilathu (post)-624802 :Vadamadurai (Via) :Vedasandur (TK) :Dindigul (DT)

(S.S.SYED ABUTHAHIR)