

Jamal Mohamed College (Autonomous)
Tiruchirappalli-620 020
PG & Research Department of Chemistry (Aided)
RESUME



1. **Name** : Dr. A. JAMAL ABDUL NASSER
2. **Sex** : Male
3. **Designation** : Assistant Professor in Chemistry

4. **Date of birth** : 26-05-1963

5. **Address:**
Residential : 27/100-A, N.M. Store
Palakarai, Tiruchirappalli – 620 008.
Phone No.: 0431- 2713664,
Mobile : 9865560226
Email : ajamasser@yahoo.com

Official : Assistant Professor ,
PG & Research Dept. of Chemistry
Jamal Mohamed College
Tiruchirappalli – 620 020
Ph : 0431- 2331235*215

6. **Educational Qualification**



B.Sc., Chemistry 1985
Since-1951 B.A., Chemistry 1989
M.Phil., Chemistry 1997
Ph.D., Chemistry 2003

7. **Experience**

UG : 33 Years
PG : 33 Years
M.Phil : 17 Years

8. **Language Known** : Tamil, English.,

9. **Areas of Specialization** : Synthetic Organic Chemistry and Corrosion inhibitors.

10. **Subjects Taught :**

UG : General Chemistry, Inorganic Chemistry and Applied Chemistry
PG : Organic Chemistry and Inorganic Chemistry
M.Phil : Separation, purification techniques and Bioinorganic Chemistry

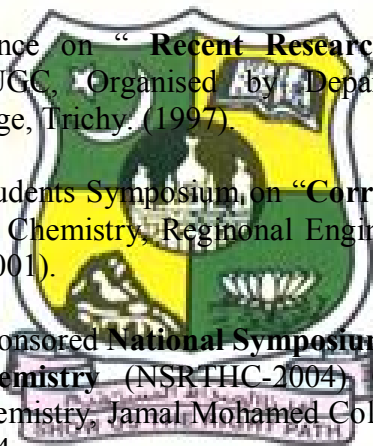
11. Research Supervision:

M.Phil., Degree: 40

Ph.D., Degree Awarded: 12

12. Seminars / Conferences / Workshops Attended:

1. National Seminar on “ **Bioactive Polyphenols**” Sponsored by AICTE, Organised by Department of Chemistry, Regional Engineering College, Trichy, India. (1994).
2. Attended “ **Symposium on Recent Advances in Boiler House and Power Station Chemistry**” Organised by the Department of Chemistry Regional Engineering College, Tiruchirappalli on 26th October (1996).
3. National Conference on “ **Recent Research in Coordination Chemistry**” Sponsored by UGC, Organised by Department of Chemistry, Regional Engineering College, Trichy. (1997).
4. National Level Students Symposium on “ **Corrosion and its Control**” Organised by Department of Chemistry, Regional Engineering College, Trichy on 29th & 30th September (2001).
5. Attended 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 & 25 September 2004.



- Since-1951**
6. Attended “ **National Conference on Application Oriented Nanomaterials (NANOMAT-2005)**”, Conducted by Department of Industrial Chemistry, Alagappa University, Karaikudi, on 10th and 11th March, 2005.
 7. National Seminar on “ **Recent Trends in Material Science**” Sponsored by UGC, organized by Department of Physics and Department of Industrial Chemistry, Alagappa University, Karaikudi, (2005).
 8. National Seminar on “ **Recent Trends in Applied Chemistry**” Organised by PG & Research Department of Chemistry, St. Joseph’s College, Trichy(2005).
 9. TANSCH and UGC sponsored Three day workshop on “ **Curriculum Development and Evaluation**” Organized by UGC – Academic Staff College, Bharathidasan University, Conducted during 2nd and 4th March (2006).
 10. UGC sponsored State Level Seminar on “ **Emerging Trends in Chemistry**” Jamal Mohamed College, Tiruchirappalli 9th March 2006.

- 11 Attended a seminar on “**Advanced Topics in chemistry**” Jamal Mohamed College, Trichy on 13th & 14th March 2007.
- 12 Attended a seminar on “**Modern Techniques in Chemistry**” held on March 5 & 6, 2008, at Jamal Mohamed College, Tiruchirappalli, Tamilnadu.
- 13 Attended UGC sponsored State Level Seminar on “**Frontier Studies in Chemistry**” held o February 9 and 10, 2010, at Jamal Mohamed College, Tiruchirappalli, Tamilnadu.
- 14 Attended “**International Conference on Chemical and Environmental Research**” (ICCER-2014), conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 11th and 12th March 2014.
- 15 Attended “**Current Scenario in material Chemistry (CSIMC-2015)**” conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 9th and 10th February 2015.
- 16 Participated “**A One Day Inter Collegiate Workshop on E- Content Development for Teaching – Learning**” jointly organized by the internal quality assurance cell and JMC alumni association Singapore chapter at Jamal Mohamed College, Tiruchirappalli -20 on 22nd December 2015.
- 17 Participated in the one-day Workshop on “**The Role of a Teacher in the Present Scenario**” organized by the Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 10th December 2016.
- 18 Participated “**International Conference on Chemical and Environmental Research (ICCER-2017)**”, conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 7th January 2017.
- 19 Participated in the three day “**NLP – Based Faculty Empowerment Programme**” organized by the Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 17th, 19th & 20th June 2017.
- 20 Participated “**National Conference on Recent Developments in Chemistry (ICRDC-2018)**”, conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 20th January 2018.
- 21 Participated “**International Conference on Recent Developments in Chemistry (ICRDC-2018)**”, conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 19th December 2018.
- 22 Participated “**International Conference on Chemical and Environmental Research (ICCER-2020)**”, conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 12th November 2020.
- 23 Participated “ **2nd International Webinar on Microbes and Neoteric Research**

IWMNR-2020)” conducted by PG & Research Department of Microbiology, Jamal Mohamed College, Tiruchirappalli -20 during 22rd December 2020.

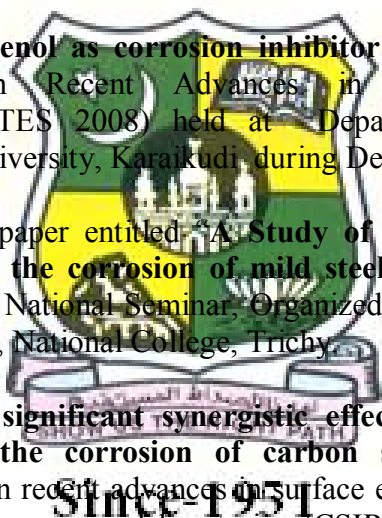
24 Participated **“Installation Function and National Youth Day celebration conducted”** organized by **STUDENTS' ExNoRA**, Jamal Mohamed College, (Autonomous) Tiruchirappalli-20, held on **12 January 2021**.

13. Paper (s) Presented :

1. **“Investigation of Some Natural Product extracts as Corrosion Inhibitors for Mild Steel in acidic medium”** National Seminar in “Recent Trends in Applied Chemistry, Organised by PG & Research Department of Chemistry, St. Joseph’s College, Tiruchirappalli 620001. India (2005).
2. **“Dipropyl Sulphide as an effective inhibitor for the corrosion of brass in Nitric acid medium”** National seminar on 12.10.07.
3. 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 (NORIC-2007) organized by Bishop Heber College (Autonomous), Tiruchirappalli-17.
4. Presented a paper entitled **“Synthesis and Pharmacological Evolution of various substitution involving 1,4-dihydro pyridine derivatives.”** Organized by the PG and Research Department of Chemistry, The American College, Madurai, on Jan 10th & 11th 2008, UGC, DST, DRDO and CSIR sponsored National Symposium on Frontier Areas in Chemistry.
5. Presented a paper entitled **“A study of the inhibitive influence of N-Nitroso-3-Methyl-2, 6-diphenylpiperidine-4-one on the corrosion of Mild Steel in 1M HCl medium”**. Organized by the PG and Research Department of Chemistry, The American College, Madurai, on Jan 10th & 11th 2008, UGC, DST, DRDO and CSIR sponsored National Symposium on Frontier Areas in Chemistry.
6. Presented a paper entitled **“Synthesis, Characterization and Biological activity of some 1,3-substitued-2-thioxo-imidazolin-4-one and imidazolin-2,4-dione derivatives”** Organized by Dept. of Chemistry SRM University, Kattankulathur on Jan-24th & 25th 2008. National conference on frontiers of chemistry (NCFC-2008).
7. Presented a paper entitled **“Synthesis and biological activity of various Substitution involving 1,4-dihydropyridine derivatives”** on Jan- 27th-29th, 2008, In the International conference on Drug discovery and

Nanotechnology, Organized by Dept. of Chemistry Yeshwant Mahavidyalaya, Maharashtra, India.

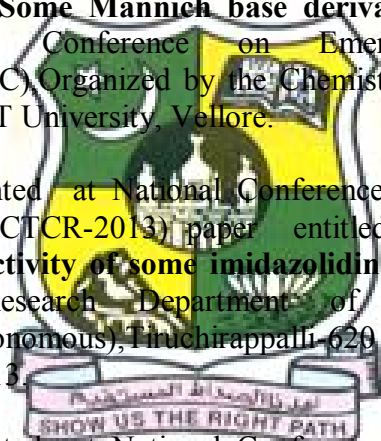
8. Presented a paper entitled **“Synthesis, characterization and pharmacological evaluation of various heterocyclic rings formed in 3,5 position of 2,4-dimethyl Pyrrole derivatives”**. On Jan- 27th- 29th ,2008, In the International conference on Drug discovery and Nanotechnology, Organized by Dept. of Chemistry, Yeshwant Mahavidyalaya, Maharashtra, India.
9. Presented a paper entitled **“Inhibiting effect of diethyl sulphides on the corrosion of mild steel in 3N Nitric acid”** on Feb 11th &12th ,2008, National Seminar, Organized by PG and Research Department of Chemistry, National College, Trichy.
10. **“corrosion inhibition by phenolate anions”** – national conference on frontiers in chemistry research, organized by department of chemistry, Holy Cross college, Tiruchirappalli held at 5 th dec, 2008.
11. **“m-nitro phenol as corrosion inhibitor for mild steel”**- In the national Seminar on Recent Advances in Textile and Electrochemical Sciences(RATES 2008) held at Department of Industrial Chemistry, Alagappa University, Karaikudi during December 19th & 20th of 2008.
12. Presented a paper entitled **“A Study of Inhibitive Influence of Diallyl Sulphide on the corrosion of mild steel in 3N Nitric acid”** on Feb 11th &12th ,2008, National Seminar, Organized by PG and Research Department of Chemistry, National College, Trichy.
13. **“Statistically significant synergistic effect of resorcinol-Zn²⁺ system in controlling the corrosion of carbon steel in well water”**- National conference on recent advances in surface engineering (RASE-09) conducted by national aerospace laboratories (CSIR),Bangalore on 26th & 27th Feb-2009.
14. Presented a paper entitled **“Synthesis and Medicinal Applications of 1,4-dihydropyridine derivatives”**On Feb-26th-March 01st ,2009,13th ISCB International Conference on Interplay of Chemical and Biological Sciences: Impact of Health and Environment, Jointly Organised by Department of Chemistry, University of Delhi and Indian Society of Chemists and Biologists, Lucknow.
15. Presented a paper entitled **“Synthesis and Biological Application of Imidazole Derivatives”**. On Feb 27th & 28th , 2009, UGC Sponsored National Seminar on Recent Advances in Chemistry (NSRAC-09), Organized by Department of Chemistry, A.V.C. College, Mannampandal, Mayiladuthurai.
16. Presented a paper entitled **“Synthesis, Characterization and Antimicrobial activity of some Pyrazole Derivatives”**. On Feb 27th & 28th ,2009,UGC Sponsored National Seminar on Recent Advances in Chemistry(NSRAC-



09), Organized by Department of Chemistry, A.V.C. College, Mannampandal, Mayiladuthurai.

17. Presented a paper entitled **“Inhibitive action of o-nitro phenol in controlling the corrosion of carbon steel”**. On Feb 27th & 28th, 2009, UGC Sponsored National Seminar on Recent Advances in Chemistry(NSRAC-09), Organized by Department of Chemistry, A.V.C. College, Mannampandal, Mayiladuthurai.
18. **“Inhibitive and biocidal action of phenol –Zn²⁺ in controlling the corrosion of carbon steel in well water”**- National symposium on Electrochemical science and technologies, Organized by the Electrochemical society of India, Indian Institute of science, Bangalore on 17th & 18th July-2009.
19. **“Thiophenol as a corrosion inhibitor for mild steel in the presence of Mn²⁺ ion”**- National Conference on Recent Advances in Chemistry, organized by the Chemistry Dept., Bishop Heber College, Trichy – 17, On 18th September 2009.
20. Presented a paper entitled **“ Influence of some aliphatic sulphides on the corrosion inhibition of carbon steel in hydrochloric acid medium”**. In the national conference on Recent Advances in Textile and Electrochemical Sciences held at Alagappa University, Karaikudi during December 4th -5th of 2009.
21. Presented a paper entitled **“Inhibitive action of Catechol-Zn²⁺ in controlling the corrosion of carbon steel in ground water”**. In the national conference on Recent Advances in Textile and Electrochemical Sciences held at Alagappa University, Karaikudi during December 4th -5th of 2009.
22. Attended and presented the paper **“ Study on the effect of 2,6-bis(4-methoxyphenyl)-3- methylpiperdin-4-one act as corrosion inhibitor for the corrosion of mild steel in 1 M H₂SO₄ medium”** on 18th September 2009 in the National Conference on Recent Advances in Chemistry organized by the Chemistry Dept., Bishop Heber College, Trichy – 17.
23. Participated and 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 H₂SO₄ medium”** in the national conference on Recent Advances in Textile and Electrochemical Sciences held at Alagappa University, Karaikudi during December 4th -5th of 2009.
24. Presented a paper entitled **“An Eco-friendly inhibitor for the control of corrosion of carbon steel in ground water”** on 7th and 8th July 2010. In the International Conference on Green Chemistry and Sustainable Environment, organized by the Department of Chemistry (DST – FIST Sponsored) Holy cross College, Tiruchirappalli, Tamilnadu. India.

25. Presented a paper entitled **“Synthesis, Characterization of Some Imidazolidine Mannichbase Derivatives and their Antimicrobial activities”** on 22th de 2011. National Conference on Frontier Areas in Chemistry (NCFAC-2011), organized by the Department of Chemistry(UGC, Delhi Sponsored), Pondicherry University, Pondicherry, India.
26. Presented a paper entitled **“Antifungal activity of Azole derivatives and their structure activity relationships”** 17th International Conference on “Expanding Horizons in C hemical and Biological Sciences: Innovations Crossroads” ISCBC-2012, January 21st – 24th, 2012, School of Chemical Sciences, Solapur University, Solapur, Maharashtra.
27. Presented a paper entitled **“Anticancer activity of 1,4-dihydropyridine derivatives”** on 10-12th September 2012. In the 2nd world congress on cancer science & therapy organized by 53rd OMICS Group Conference, Hilton Antonio Airport, USA.
28. Presented a paper entitled **“Synthesis, Characterization, Biological and Activity of Some Mannich base derivatives”** on 5-7th December 2013. International Conference on Emerging Trends in Chemical sciences(IETC), Organized by the Chemistry Division, School of Advanced Sciences, VIT University, Vellore.
29. Paper presented at National Conference on Current Trend in Chemistry Research (NCTCR-2013) paper entitled **“Synthesis and screening the biological activity of some imidazolidine derivatives ”** Organized by the PG & Research Department of Chemistry, Jamal Mohamed College(Autonomous), Tiruchirappalli-620 020, Tamilnadu on 27th & 28th February-2013.
30. Paper presented at National Conference on Current Trend in Chemistry Research (NCTCR-2013) paper entitled **“Synthesis, Characterization and Pharmacological importance of piperidopyrimidines ”** Organized by the PG & Research Department of Chemistry, Jamal Mohamed College(Autonomous), Tiruchirappalli-620 020, Tamilnadu on 27th & 28th February-2013.
31. Presented a research Paper entitled **“Synthesis of aminocyano pyridines as potent antimicrobial agent”** International Conference on Chemical and Environmental Research (ICCER-2014), Organized by PG & Research Department Of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu on 11th & 12th March 2014.
32. Presented a research Paper entitled **“Synthesis of some series of imidazolidin derivatives and their antibacterial activities ”** International Conference on Chemical and Environmental Research (ICCER-2014), Organized by PG & Research Department Of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu on 11th & 12th March 2014.

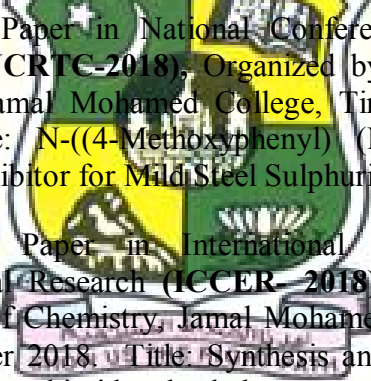


33. Presented a research Paper entitled “**study on the effect of-2-((4-hydroxyphenyl) (morpholino) methyl) hydrazine carboxamide as corrosion inhibitor for mild steel in 1.0 M H₂SO₄”**. International Conference on Chemical and Environmental Research (**ICCER-2014**), Organized by PG & Research Department Of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu on 11th & 12th March 2014.
34. Presented a research Paper entitled “**Absorption and corrosion inhibition effect of 4-[(3-nitrophenyl)methyl]morpholine on mild steel in sulphuric acid medium”**. International Conference on Chemical and Environmental Research (**ICCER-2014**), Organized by PG & Research Department Of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu on 11th & 12th March 2014.
35. Presented a research Paper entitled “**Corrosion inhibition of copper in nitric acid solutions by organic compound”**. International Conference on Chemical and Environmental Research (**ICCER-2014**), Organized by PG & Research Department Of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu on 11th & 12th March 2014.
36. Presented a research Paper entitled “**Investigation on the Inhibition of Mild Steel in Sodium Chloride Solution by Nickel Complex of 1-(8-hydroxy quinolin-2-yl-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
37. Presented a research Paper entitled “**Corrosion resistance of mild steel by Zinc Complex of 1-(8-hydroxyquinolin-2-yl-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.
38. Presented a paper entitled “**Synthesis and antibacterial activity of some novel imidazolidin derivatives”** on 8-10th September 2014. International Symposium on Recent Advances in Medicinal Chemistry (ISRAM-2014), Department of Medicinal Chemistry, National Institute of Pharmaceutical and Educational Research (NIPER), S.A.S Nagar-160 062, Mohali.
39. Presented a paper entitled “**SYNTHESIS AND DOCKING STUDY OF SOME NOVEL IMIDAZOLIDIN DERIVATIVES”** on 8-10th September 2014. International Symposium on Recent Advances in Medicinal Chemistry (ISRAM-2014), Department of Medicinal Chemistry, National Institute of



Pharmaceutical and Educational Research(NIPER),S.A.S Nagar-160 062,Mohali.

40. Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER-2015**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 on 17th December 2015. Title: Synthesis and Characterization and Biological Activity of Some Heterocyclic compounds.
41. Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER- 2017**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 on 7th January 2017. Title: Synthesis and Characterization and Biological Activity of Acetyl imidazole chalcone.

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42. Presented a Paper in National Conference on Recent Development in Chemistry (**NCRTC-2018**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 on 20th January 2018. Title: N-((4-Methoxyphenyl) (Morpholinylmethyl) Thiourea as Corrosion Inhibitor for Mild Steel Sulphuric Acid Medium.
 43. Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER- 2018**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 on 19th December 2018. Title: Synthesis and Characterization and Biological Activity of Acetyl imidazole chalcone.

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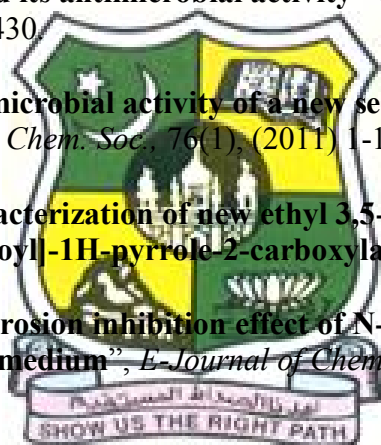
44. Presented a Paper in National Conference on Recent Development in Chemistry (**NCRTC- 2018**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 on 20th January 2018. Title: Synthesis and Characterization and Biological Activity of Some Acetyl imidazole chalcone Derivatives.
45. Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER- 2019**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 on 8th January 2020. Title: Synthesis and Characterization and Biological Activity of Acetyl imidazole chalcone.

46.

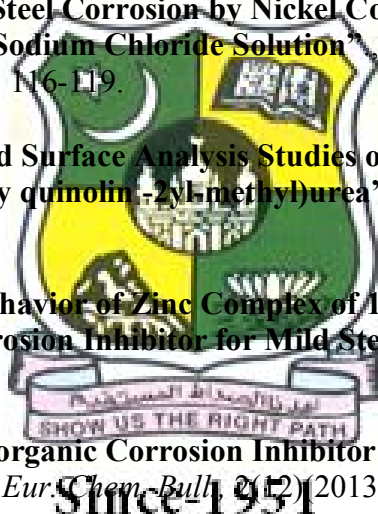
14. Publications:

1. “Aliphatic Sulfides- Effective corrosion inhibitors for mild steel in sulphuric acid solution”. *J. Electrochem. Soc. India.*, 534-2(2004) 39-44.
2. “ Aliphatic –Sulphates: Effective corrosion inhibitors for Mild steel in sulfuric acid”. *Bulletin of Electrochemistry.*, 21(7), 2005, 305-311.
3. “Investigation of some Natural Product Extract as Corrosion Inhibitors for Mild steel in acidic medium”. *Corrosion Science and Technology.*,4(6) (2005)231-235.
4. “Dialkyl sulphides as inhibitors for the corrosion of Zinc in acidic solutions”, *JARJ.*,3(2), 22-26, 2006.
- 5.“ Effect of 2,6-diphenylpiperidin-4-one derivatives as inhibitors for the corrosion of mild steel in sulphuric acid medium “ in the Bulletin of Electrochemistry., 23 (2007) 237- 242.
- 6.“Synthesis, Characterization and Biological activity of some 1,3-substitued - 2-thioxo- Imidazolin-4-one and imidazolin-2,4-dione derivatives”. *Indian J. Heterocyclic Chem.*,17, (2008)269-270
7. “A Validated Specific Stability-indicating RP-HPLC method for Pioglitazone hydrochloride”, *ACAIJ*, 7(4)2008, 255-261.
8. “Synthesis and Antimicrobial activity of some 2-thioxo-imidazolidin-4-ones”. *Indian J.Heterocyclic Chem.*, 18 (2009), 399-400
- 9.“Stress degradation behaviour of desipramine hydrochloride and development of suitable stability indicator”. *Chromatographia* 2008, 68, December (No.11/12).
10. “M-Nitro Phenol as a corrosion inhibitor for carbon steel” *J.Electrochem Soc. India.*, vol.58-1/2(2009) 30-36.
11. “Synthesis and Biological Activities of new series of Imidazolidin-2, 4-dione derivatives” *Asian J. Chem.*, 22(8), 2010, 5853 – 5858.
12. “Inhibitive action of hydroquinone – Zn²⁺ in controlling the corrosion of carbon steel in well water” *J. Eng. Sei and Tech.*, 2(4), (2010), 341 – 357.
13. “Synthesis, Characterization and Electrochemical Behavior of Transition Metal (II) Complexes from 2.6 – Diphenyl) Piperidin – 4. Thiosemicarbazone and their Antimicrobial Studies” *Asian J.Chem.* 3(4), 2010, 1022 – 1026.

14. "Development and validation of stability indicating method for the quantification of Idebenone and its impurities" *J. Chem. Pharm. Res.*, 2(3), (2010) 356 – 367.
15. "Adsorption and Corrosion Inhibition of Mild Steel in Hydrochloric ACID Medium By N-[Morpholin-4-yl(Phenyl)Methyl] Benzamide", *J. Engg. Sci and Tech.*, 2(11), (2010), 6417 – 6426.
16. "Synthesis of some 2-thioxo-imidazolidin-4-one derivatives and its antimicrobial activity". *E-Journal of Chemistry.*, 7(4) (2010) 1320-1325.
17. "Synthesis of some Mannich base derivatives and their antimicrobial activity" *Arabian Journal of Chemistry*, 2010.
18. "Synthesis and characterization of new series of new series of imidazoline-2,4-dione derivatives and its antimicrobial activity" *Oriental journal of chemistry.*, 26(4), (2010) 1425-1430
19. "Synthesis and antimicrobial activity of a new series of 1,4-dihydropyridine derivatives", *J. Serb. Chem. Soc.*, 76(1), (2011) 1-11.
20. "Synthesis and characterization of new ethyl 3,5-dimethyl-4-[(4-phenyl-1,3-thiazol-2-yl)carbamoyl]-1H-pyrrole-2-carboxylate" *Molbank* .,(2010).
21. "Adsorption and corrosion inhibition effect of N-(1-morpholinobenzyl)urea on mild steel in acidic medium", *E-Journal of Chemistry.*, 8(2) (2011) 621-628.
22. "Inhibition of corrosion of carbon steel by resorcinol-Zn²⁺ system in well water", *S-JPSET.*, 1(2), (2011) 123-125.
23. "Synthesis and anticancer activity of some new series of 1,4-dihydropyridine derivatives" *Indian Journal of Chemistry.*, 50B,(2011) 1140-1144.
24. "Synthesis and anticonvulsant activity of a new series of 1,4-dihydropyridine derivative". *Indian journal of pharmaceutical sciences.*, November-December 72(6)2010,719-725.
25. "Synthesis of some new pyrrole derivatives and their antimicrobial activity", *Der Pharma Chemical.*, 3(4),(2011) 210-218.
26. "Synthesis and anticoagulant activity of a new series of 1,4-dihydropyridine derivatives", *European Journal of Medicinal Chemistry.*, 46(2011)804-810.
27. "Synthesis, Characterization and Antimicrobial Activity of New Pyrrole Derivatives" *j.max.chem.soc.*, 55(4),(2011),217-222.



28. "Adsorption and Corrosion Inhibition of Mild Steel in Sulphuric Acid solution by N-[MORPHOLIN-4-YL(PHENYL)METHYL]BENZAMIDE". *Instanci Journal of chemistry*,1(1)2011,18-33.
29. "Evaluation of Corrosion Inhibition of Brass in Nitric Acid Solutions Using Organic Sulphide Compound". *International Journal of Chemical and Analytical Science*,3(8),(2012),1506-1508.
30. "Investigation of the Inhibition of Copper in Nitric Acid Solutions by Organic Sulphide Compound", *Advances in Applied Science Research*, 3(3)(2012)1749-1756.
31. "Corrosion Inhibition of Copper in Acid Medium using a New Organic sulphide compound". *Der Chemica Sinica*,3(2)(2012) 402-412.
32. "Corrosion inhibition of mild steel by 1-(8-hydroxy quinolin -2yl-methyl)urea"., *International Journal of Technology and Engineering Science*,1(3),(2013) 226-230.
33. "Inhibition of Mild Steel Corrosion by Nickel Complex of 1-(8-hydroxy quinolin -2yl-methyl)urea in Sodium Chloride Solution". *Indian Journal of Applied Research*. 3(7) (2013) 116-119.
34. "Electrochemical and Surface Analysis Studies on Corrosion Inhibition of Mild Steel by 1-(8-hydroxy quinolin -2yl-methyl)urea"., *Eur.Chem.Bull*.2(11) (2013) 932-935.
35. "Electrochemical Behavior of Zinc Complex of 1-(8-hydroxy quinolin -2yl-methyl)Urea as Corrosion Inhibitor for Mild Steel"., *Applied Chemistry*, 61 (2013) 16837-16841.
36. "Highly Effective Inorganic Corrosion Inhibitor for Mild Steel in Sodium Chloride Solution"., *Eur.Chem.Bull*. 2(12)(2013) 1041-1044.
37. "Synthesis, Spectral Studies and Antibacterial Activities of 8-Hydroxyquinoline Derivatives and Its Metal Complexes" *Chem Sci Trans.*, 3(1)(2014)303-313.
38. Investigation on the Inhibition of Mild Steel Corrosion in neutral solution by 1-(8- hydroxy quinolin-2yl-methyl) thiourea. *Journal of Chemical, Biological And Physical Sciences*,4(4), (2014), 3001-3010.
39. " Inhibition of Mild Steel Corrosion by 1-(8-Hydroxyquinolin-2-ylmethyl) Urea" *Eur. Chem. Bull.*, 3(1)(2014) 40-45.
40. "Synthesis, Characterization and Microbial Activities of Novel Acetylthiophene Chalcone Derivatives" *IJSR* , ISSN., (Online): 2319-7064.



41. "Synthesis, Characterization and biological activity of certain Pyrazole derivatives" *J.Chem.Pharm.Res.*,6(9)(2014)189-193.
42. " N-[Morpholin-4-yl(phenyl)methyl]acetamide as corrosion inhibitor for mild steel In hydrochloric acid medium" *Arabian Journal of Chemistry*(2016) 9, S691-S698.
43. "Synthesis and Molecular Docking studies of Heterocyclic chalcone Derivatives" *International Journal of Pharmaceutical Chemistry (IJPC)* 2015, 5(6), 196-200.
44. "Synthesis and Characterization of aminocyanopyridines as potent Antimicrobial agents" *International Journal of Research in Organic chemistry* (2016), 6(1), 13-17.
45. "Synthesis, Characterisation and biological activity of some Heterocyclic Derivatives" *International Journal of Scientific and Research Publications*, Volume 7, Issue 7, July 2017, 658-663.
46. "Comparative study of N-[(4-Methoxyphenyl)(morpholine-4yl)methyl]acetamide (MMPA) and N-[morpholine4-yl(phenyl)methyl]acetamide(MPA) as corrosion inhibitors for mild steel in sulfuric acid solution" *Arabian journal of chemistry*(2017) 10, S261-S273.
47. Synthesis, Characterization and Corrosion Inhibitor Efficiency of 5-(2, 4-dichlorophenyl)-1-phenyl-4, 5-dihydro-1Hpyrazol-3-yl]-phenyl-amine (CPP): on Mild Steel IN1M Hydrochloric Acid. *International Journal of Research and Analytical Reviews*, Volume 5, Issue 4, OCT- DEC 2018.

15. **Administrative Position Held in the College:**

Member in-charge CIA-Fest, Department of Chemistry



16.Orientation / Refresher Courses Attended:

- ✓ Participated in the **orientation course** held on 02-05-2007 to 29-05-2007 at UGC Academic staff-College-Bharathidasan University, Tiruchirappalli.
- ✓ Participated in the "Refresher course in Chemistry" held on 06-10-2010 to 26-10-2010 at UGC – Academic staff-College-Bharathidasan University, Tiruchirappalli.
- ✓ Participated in the "Refresher course in Chemistry" held on 01-02-2014 to 21-02-2014 at UGC – Academic staff-College-Bharathidasan University, Tiruchirappalli.

Research Guidance (give names of students Guided)	1. Dr. H. BENITA SHERINE Title of thesis: Inhibition of corrosion of Mild steel in well water by phenolics compounds.	Jamal Mohamed College / Bharathidasan University
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successfully)	Date of viva-voce: 28/03/2011	
	2. Dr. R. SURENDRAKUMAR Title of thesis: synthesis and Biological screening of some novel heterocyclic compounds. Date of viva-voce: 15/09/2011	
	3. Dr. A. IDHAYADHULLA Title of thesis: Synthesis and characterization of some heterocyclic compounds. Date of viva-voce: 20/10/2011	
	4. Dr. M. ANWAR SATHIQ Title of thesis: Inhibition of corrosion of Mild steel in acitic media by some Mannich bases. Date of viva-voce: 24/09/2012	
	5. Dr. T. THILAK KUMAR Title of thesis: Development and validation of specific stability indicating analytical methods for some active pharmaceutical ingredients. Date of viva-voce: 01/03/2013	
	6. Dr. V. RETHINAGIRI Title of thesis: Evolution of inhibition of Copper corrosion in acidic environment with organic sulphide compounds Date of viva-voce: 09/10/2014	
	7. Dr. S. SYED ABUTHAKIR Title of thesis: Corrosion inhibition by metal complexes of some heterocyclic compounds Date of viva-voce: 25/05/2015	
	8. DR. A. FARITHA Title of Thesis: Synthesis and characterization and Biological Evaluation of some Pyrazole derivatives Date of Viva – Voce: 31/ 10/2015	
	9. Dr. M. YASEEN MOWLANA Title of Thesis: Synthesis and characterization of some Heterocyclic compounds and their Biological Evaluations Date of Viva – Voce: 29/ 01/2016	
	10. Dr. A. SAMSATH BEGAM Title of Thesis: corrosion Inhibition Study of Mild steel in ACIDIC media by some Mannich bases. Date of Viva – Voce: 14/ 09/2019	
	11. Dr. P ANWAR KASIM Title of Thesis: Study on the Effect of Organic compound as corrosion Inhibition for the corrosion of Mild steel Date of Viva – Voce: 06/03/2020	
	12. Dr. S. SILAMPARASAN Title of Thesis: Synthesis, characterization and Biological Activities of some Novel Heterocyclic	

	Compounds Date of Viva – Voce: 16/ 03/2020	
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