



Name - **Dr. M. SYED ALIPADUSHA**
Designation - Associate Professor
Address (office) - Post-Graduate & Research Department of Chemistry
Jamal Mohamed College (Autonomous)
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Academic Qualification:

| DEGREE | Examination Passed | Institution |
|---|-----------------------------------|--|
| Bachelor Degree | B.Sc. Chemistry | Sadakathullah Appa College- (Manonmanium Sundarnar University) |
| Master's Degree | M.Sc. Chemistry | Jamal Mohamed College (Bharathidasan University) |
| Research Degree | Ph.D. | Bharathidasan University |
| Any other degree/ diploma/ certificate | Certificate in Arabic | Manonmanium Sundarnar University |
| NET/ SLET | SLET | Bharathidasan University |
| Online Course | Coordination Chemistry | Swayam (NPTEL) |

Area of Interest:

- ✓ Synthetic Organic Chemistry
- ✓ Coordination Chemistry
- ✓ Physical Chemistry

Teaching Experience:

| DEGREE | YEAR | MONTH |
|---------------|-------------|--------------|
| UG | 22 | 5 |
| PG | 22 | - |
| M.Phil. | 14 | - |
| Any other | - | - |

Research Guidance:

| DEGREE | No. of Candidates | | |
|--|-------------------|-----------|----------|
| | Awarded | Submitted | Pursuing |
| M.Phil. in the Academic year 2011-2020 till date | 22 | - | 2 |
| Ph.D. in the Academic year 2011-2021 | 9 | - | 6 |

Research Projects: (Major/Minor/Other Research Projects:

| S.No | Title of the Project | Name of the Funding Agency | Amount in Rs. | Duration | Remarks Completed / Pursuing. |
|------|---|----------------------------|---------------|------------------|-------------------------------|
| 1 | Synthesis charactersisation and Biological Studies of some mannich bases | UGC | 75,000/- | 2002-03 | Completed |
| 2 | Synthesis of organic compound by claisen condensation process. | TNSCST | 5,000/- | 2003-04 | Completed |
| 3 | Microwave assisted synthesis of Novel Mannich base and their metal complexes structural and Bioactivity studies | UGC | 90,000 /- | 2007-09 | Completed |
| 4 | Synthesis ,Characterization and antimicrobial studies of metal complexes of Mannich bases. | TNSCST | 6,000/- | 2010-11 | Completed |
| 5 | Synthesis, Charecterisation and Antimicrobial Study of Novel Derivatives of 2-Hydroxy Pyrrolidine | UGC | 10,10,800/- | 2012-15 | Completed |
| 6 | Popularization of basic Science among the School Children of Rural Areas in and around Tiruchirappalli. | TNSCST | 25,000/- | 2017 December | Completed |

Seminars/Conferences/Workshop:

| Seminars/Conferences/Workshops- Attended/Participated | Upto Academic Year (Number) 2020 |
|---|---|
| At the State Level | 15 |
| At the National Level | 12 |
| At the International Level | 05 |
| Seminars/Conferences/ Workshops- Participated & Presented Papers | Upto Academic Year (Number) 2020 |
| At the State Level | 11 |
| At the National Level | 09 |
| At the International Level | 05 |

Membership in Academic body:

- ✓ Member - Board of Studies- Sadakathullah appa college,Tirunelveli 2010-2011,2017-2020
- ✓ Member - Board of Studies -Jamal mohamedcollege,Tirchirappalli
- ✓ Member - Board of Studies- Poompuhar college,Melaiyur.Nagai(Dt),2012-2015
- ✓ Member - Board of Studies - Selvam Arts and Science College, Namakkal –2015-2018,june2021-2023
- ✓ Member - Board of Studies - Thanthi Hans Rover College, Perambalur–June2018-2020
- ✓ Member- Board of Studies- Mannar Thirumalai NaickerCollege,Madurai-2019-2021
- ✓ Member- Board of Studies- J J College of Arts and Science College, Pudukottai-2018-2019
- ✓ Member- Board of Studies- G.T.N Arts College,Dindigul 2020-2021.

Membership in Professional body:

- ✓ Member of Association of Chemistry Teachers (LM.NO891)
- ✓ Life Member of Indian Society of Systems For Science &Engineering(ISSE)LM04444

| Number of Publications | Academic Year Upto 2020 | |
|---|--------------------------------|-------------------------------------|
| | Published | Accepted for Publication |
| (i) Books | 1 | - |
| (ii) Contribution to edited Volume of Books | 1 | - |
| (iii) Journals (national Level) | -- | - |
| (iv) Journals (International Level) | 71 | - |

Publications:

- ✓ Co-Authored a book entitled "SELECTED TOPICS IN CHEMISTRY", Vandana Publications, Lucknow-226001, India.ISBN:978-81-932843-3-9

- ✓ Co-Authored a book entitled SOFT SKILLS DEVELOPMENT - book published by Jamal Mohamed College,Trichy-20
- ✓ Contributed a chapter on Respecting elders in value education book published by Jamal Mohamed College,Trichy-20

Participation in Extracurricular Activities (NSS, NCC, Sports, Games, Voluntary association and Cultural activities):

- ✓ Served as NSS Officer in the College from April 2008 to March2011
- ✓ Serving as LEO club faculty advisor from 2012 to 2018

Administrative position held in the College:

- ✓ Served as subwarden in Khajamian Hostel,Jamal mohamed College, from 2000 to2005
- ✓ Department Library in charge from 2003 to2011.
- ✓ Deputy warden Khajamian Hostel,Jamal mohamed college from June 2012 to June2018Vice President of Chemistry Association, during the year2015-2016.
- ✓ Advisory committee member of NSS during the year 2016 –17.
- ✓ Secretary Baithulmal association from June2017 to May2019
- ✓ Assistant Secretary JMC-Alumni association from June2017
- ✓ Coordinator -Khajamian Hostel from July2018
- ✓ Deputy Coordinator - Curriculum Development Cell from June2020
- ✓ Member-Civil services examination study centre from June 2021

Member ship in autonomous programme:

- ✓ Member - value education during2006-08.
- ✓ Member- Board of studies of Chemistry since2000
- ✓ Member- Extracurricular Activities from 2010 to 2012.
- ✓ Member- value education during 2006 –2008 and 2010-2012
- ✓ Member academic council during 2015-17and 2020-
- ✓ Member Ant ragging committee 2018-2020
- ✓ Member-Grievance Appeal committee from 2018-2020

- ✓ Member-Students welfare committee from 2018-2020
- ✓ Convener –Students Welfarecommittee,2020-2023

Convener / Organizing Secretary:

- ✓ Convener and organizing secretary for Two Day National conference on Current Scenario Material Chemistry Held on Feb 9th and 10th 2015.
- ✓ Reviewer : Royal society of chemistry journal
- ✓ Organizing Secretary for **NATIONAL SCIENCE DAY CELEBRATIONS-2020**, organized by Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 28.02.2020.

Member in Editorial Board / Journal Referee

- ✓ Reviewer of International Journal of Pharma and BioSciences.
- ✓ Reviewer of Indian Journal of Chemistry – Section A(IJCA)

National advisory committee member:

- ✓ National conference held at selvam Arts college Dec 2015
- ✓ National conference held at L.N Govt Arts college Ponneri ,February 2016
- ✓ Convener for a Two Day workshop on Domestic Products Preparation held from 3rd to 5th January 2017
- ✓ Adroit conference on Emerging Trends in Chemistry (National Level) held at Department of Chemistry, JEPPIAAR SRR Engineering college, old Mamallapuram Road, Chennai-603103 on 2nd August 2018.
- ✓ External Advisory committee member for certificate course on social useful products work during the academic year 2015-2016 conducted by Bon Secours College for women.

ANNEXURE

List of Publications:

1. “Studies on ground water pollution of Tannery effluent at Sempattu, Tiruchirappalli, Tamil Nadu.”, **JARJ.**, Vol 1(2), 2004.
2. Synthesis, characterization and antimicrobial studies of Cu^{II}, Ni^{II} and Co^{II} complexes of furan- and thiophene-2-aldoximes, J. Indian Chem. Soc., Vol. 83 (2006) 608-610.
3. Physico-chemical characteristics of Ground water status in and around Tuticorin SIPCOT. **JARJ.**, Vol 2(2), 2005.

4. Synthesis and Biological activities of some new Mannich bases of furfural. *Indian J. Heterocyclic Chem.*, 16(2006) 197.
5. Synthesis, characterization and antimicrobial studies of Co^{II}, Ni^{II} and Cu^{II} complexes of 5-chlorothiophene-2-aldehyde semi and thiosemicarbazones *JARJ:Int* 3(2) (2006)27-31,
6. Synthesis, Characterization and Antimicrobial activities of Some Novel Derivatives of Phenol, *Asian J. Chem.*, 22,5(2010)3422-3428.
7. Synthesis, Characterization and Antimicrobial activities of Some Novel Derivatives of Phenol and their Co^{II}, Ni^{II}, Cu^{II} and Zn^{II} Chloro complexes, *Asian J. Chem.*, 23,5(2011)3422-3428.
8. Microwave assisted synthesis of Novel Mannich bases and their biological Studies, *Asian J. Chem.*, 23,5(2011)3422-3428. ISSN:
9. Synthesis, Characterization and Antimicrobial activities of Some Novel Mannich bases derived from N-methylpiperazine, *Int. J. ChemTech Res.*, 3,4 (2011)1974-1977. ISSN:0974-4290
10. Synthesis, Characterization and Antimicrobial activities of Mannich bases derived from Benzhydrazide, *RJPBCS*, 3, 1 (201) 185-188. ISSN:0975-8585
11. Synthesis, Characterization and Antimicrobial activities of Salilaldehyde derivatives, *Int. J. ChemTech Res.*, 4,1 (2012) 12-15. ISSN:0974-4290
12. Synthesis, Characterization and Antimicrobial Activities of Some Novel Mannich bases derived from 2-Furyl methyl ketone, *IJSC* 5,1 (2012)61-64 ISSN:0974-3561
13. Synthesis, characterization and antimicrobial activity of novel Mannich Bases, *Der Chemica Sinica*, 3,5 (2012) 1098-1101 ISSN:0976-8505
14. (E)-N¹ – (4-Methoxybenzylidene)pyridine-3-carbohydrazide hydrate, *Acta Cryst.*(2013), E69, o1177-o1178 ISSN:1600-5368.
15. Synthesis characterization and antimicrobial study of N – Mannich base and its complexes, *Der Chemica Sinica*, 4(3) 93 – 99 2013 ISSN: 0976 -8505
16. Synthesis and spectral characterization of hydrazone derivative of furfural using experiment and DFT methods, *Spectrochimica Acta A* 120 (2014) 314– 322 . ISSN 1386 – 1425 IF1.977
17. Cycloalkenyl nonaflates as electrophilic cross-coupling substrates for palladium catalyzed C-N bond forming reactions with enolizable heterocycles under microwave enhanced conditions. *New Journal of Chemistry* 01/2014; 38:1294-1305; Impact factor: 2.97, ISSN: 1144 – 0546
18. Spectral and X – ray Crystallographic structure determination of (E)-N-(Furan – 2-yl) methylene) benzohydrazide. *Int. J. of App. Resarch* 2013, 3(12), 495 – 97 ISSN : 2249 – 555X, Impact Factor:0.8215
19. Antimicrobial activities of Mannich bases derived from hetero aldehydes. *Ijprbs*, volume 2(6): 218-232, 2013; impact factor : 0.525, issn:2277-8713

20. A rapid and modified approach for C-7 amination and amidation of 4-methyl-7-nonafluorobutylsulfonyloxy coumarins under microwave irradiation *Impact Factor* 2.562, ISSN 2046-2069, RSC Adv., 2014, 4,19766–19777
21. Synthesis of Co(II), Ni(II), Cu(II) and Zn (II) complexes of (1-(3-furan-2-yl)-3-oxo-1-phenyl propyl)semicarbazide and their biological activities, *Int.J.of.App.Resarch* ISSN : 2249 – 555X, *Impact Factor*:0.8215
22. Synthesis, characterization and antimicrobial activities of some transition metal complexes with a new mannich base. *Ijcpcc* 4(1), 47 -51, 2014 *impact factor* 0.617. *Issn* : 2248 –9142
23. Regioselective synthesis of C-2 substituted imidazo[4,5-b]pyridines utilizing palladium catalysed C-N bond forming reactions with enolizable heterocycles, *Tetrahedron Lett.* 55 (2014) 1778-178A.
24. Design, synthesis and structure- activity relationship (SAR) studies of imidazo[4,5-b] pyridine derived purine Isosteres and their potential as cyclotoxic agents, *European Journal of Medicinal Chemistry*, 89(2015)21-31,
25. Synthesis of Co(II), Ni(II), Cu(II) and Zn (II) complexes of (1-(3-furan-2-yl)-3-oxo-1-phenyl propyl)semicarbazide and their biological activities, *Int.J.of.current pharmaceutical and clinical research* 4(1). 2014, 30-34 ISSN : 2248 – 9134X, *Impact Factor*:0.8215
26. *Synthesis, Crystal Structure and Antimicrobial Activities of Di ((E)-2-(Pyridine-2-Ylmethylene) Hydrazinecarboxamide) Cobalt (II) Dichloride Trihydrate. Physical Science International Journal* 4(6): 2014 8,16-824 *SCIENCEDOMAINinternational*.
27. Strucural and Vibrational studies on (E)-1-[(4-methoxybenzylidene)semicarbazide Ind. *J.App.Research* 4(4) 40-452014.
28. (E)-N-(3,4-Dimethoxybenzylidene)-nicotinohydrazide monohydrate, *ActaCryst.* (2014).E70, o793–o794Wiley Publisher, *impact factor*0.315.
29. Synthesis and structural characterization of (E)-N0-((Pyridin-2-yl)methylene)benzohydrazideby X-ray diffraction,FT-IR, FT-Raman and DFT methods. *Journal of Molecular Structure* 1072 (2014) 84–93,Elsiverpublisher,*impact factor* 1.404.
30. Crystal structure of ethyl 6-(chloromethyl)-4-(4-chlorophenyl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate *Actacryst* (2014) E70,o 1185-o1186 Publisher :Elseiver *impactfactor*:3.432
31. Synthesis charecterisation and biological study of Mannich bases and their Copper(II) Complexes *Int J pharm pharmsci*, vol6 ,(9) ,466-472 Publisher :Innovare Academic Science *impactfactor*:0.91
32. Synthesis charecterisation and antimicrobial study of a novel compound and its metal complexes derived from nicotinic acid *Der Chemicasinica* , 2014,5(5):81-90 Publisher :Pelagia Research Library *impactfactor*:0.91

33. "FeCl₃-Catalysed C-N Coupling reaction between cyclic ethers and heterocyclic amines" *European Journal of Chemistry* 89(2015)21-31.
34. Mn(II), Co(II), Cu(II) and Zn(II) complexes of ((E)-N'-Furan-2-ylmethylene)Nicotino hydrazide: Synthesis, Characterisation and Biological Activities. *Int J Pharma Bio Sci* 2015 Jan; 6(1): (B) 1210 – 1219 SCImago Journal Rank 0.288, Impact Factor 2.958
35. Synthesis characterisation and antimicrobial study of (morpholine-4-yl-methyl)-urea and its metal(II) complexes. *Ind.J.App.Res.*3(12)2013,19-22.
36. Synthesis characterisation and antimicrobial activity study of (Morpholino (Thiophen-2-yl)Methyl)Nicotino Hydrazide and its Metal(II) complexes. *Ind.J.Sci.Res.*Vol3(7),2014, 59-61, ISSN2277-8179.
37. Synthesis characterisation and antimicrobial studies of Some Mannich bases derived from Phenylethylamine and their transition metal complexes. *J.App.Che.*Vol.2(3)2014, 5-11 ISSN 2348 –0408
38. Synthesis of Cobalt (II), Nickel(II), Copper(II) and Zinc(II) complexes of N-(1-Morpholinosalicyl)benzohydrazide and their antimicrobial activities. *J.Environ.NanoTechnol.*Vol 3(2)2014, 188-193.ISSN 2279 -0748. Synthesis of Mn(II),Co(II), Cu(II) and Zn(II) complexes with (E)-N-(pyridine-2-ylmethylene)nicotino hydrazide and their evaluation of antimicrobial activities. *Der.Chemica Sinica* vol5(3) 2014, 116-123.ISSN0976-8505.
39. Crystal structure of 3-([thiophene-2-yl]-methylidene) hydrazinyl carbonyl-pyridinium chloride dihydrate. *Acta.Cryst.*(2014). E70, 0976-0977. ISSN1600-5368
40. Synthesis, Characterization and Antimicrobial studies of a chiral compound and its Metal complexes. *IJSRP* volume 4, issue 7, (2014) 1-7, ISSN2250-3153.
41. Synthesis, structural and spectral analysis of 1-(pyrazin-2-yl) piperidin-2-ol by density functional theory. *Spectrochimica Acta Part A. Molecular and Biomolecular Spectroscopy* 138(2015)271-282.
42. Crystal structure of (E)-3-{[2-(2,4-di-chlorobenzylidene)hydrazin-1-yl]-carbonyl}pyridinium chloride trihydrate. *Acta Cryst.* (2015). E71, -0105-0106.ISSN2056-9890.
43. Crystal structure of ethyl 6-methyl-2-sulfanylidene-4-(thiophene-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate *Acta Cryst.*(2015). E71, 081-082 ISSN2056-9890.
44. A highly efficient catalyst for the Suzuki cross-coupling reaction of 3-chloro-5-oxadiazol-2-yl pyridine. *Journal of Heterocyclic Chemistry*(2014).
45. Vibrational spectroscopy investigation and density functional theory calculations on (E)-N-(4-methoxybenzylidene) benzohydrazide, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*(2015).

46. Crystal structure determination and antimicrobial studies on di((E)-2-(pyridine-2-ylmethylene)hydrazinecarboxamide)nickel(II)dichloride dihydrate. *IJDR* Vol.4(12) (2014) 2698-2701, ISSN 2230-9926.
47. Synthesis, characterization and In-Vitro cytotoxic study of novel ligands and their metal complexes. *Der Chemica Sinica*, 2015, 6(2): 56-70. ISSN:0976-8505.
48. Vibrational studies of (E)-{Pyridine-2-yl)methylene Semicarbazide using experimental and theoretical methods. *Journal of Molecular Structure* 1094(2015)254-263.
49. Synthesis and characterisation of N-substituted 2-hydroxypyrolidine/piperidine derivatives using cerium chloride as catalyst. *Int. J. Chem* 54B (2015)999-1004.
50. Palladium catalysed Suzuki cross coupling of 2-halodeazapurines with potassium organotrifluoro borate salts in the regioselective synthesis of imidazo[4,5-b] Pyridine analogues. *Australian Journal of Chemistry* Volume 69 Number 6 2016,618
51. Synthesis, Molecular Structure and Quantum Chemical Computational Interpretation on (E)-N'-(3,4-Dimethoxy benzylidene)-Nicotinohydrazone Monohydrate by DFT-B3LYP and M02-2X level of Calculations; A Comparative Study, *Int. J. Adv. Sci. Eng.* Vol. 2 No.1 36-57 (2015).
52. Vibrational spectral analysis and first order hyperpolarizability calculations on (E)-N'-(furan-2-ylmethylene) nicotinohydrazone, : 10.14302/issn.2377-2549.jndc-16-949 Vol-1 Issue -2 Page No- 2 open access
53. Antimicrobial and larvicidal activities of 2-hydroxypyrrrolidine/piperidine derivatives, *SOJ Pharm Pharm Sci*, 3(1), 1-6.2016 Open Access(symbiosis)
54. Mo(CO)₆ as a Solid CO Source in the Synthesis of Aryl/Heteroaryl Weinreb Amides under Microwave-Enhanced Condition *Aust. J. Chem* 2015, Accepted 7, October 2015.
55. A facile access for the synthesis of some C-2 substituted imidazopyrazines by utilizing the palladium catalyzed Suzuki cross-coupling reaction under microwave irradiation MN Joy, B Savitha, AM Sajith, YD Bodke, T Venkatesh, KKA Khader, ... *Chinese Chemical Letters* 27 (1), 31-36, 2016.
56. Structural and vibrational studies on 1-(5-methyl-[1,3,4]thiadiazol-2-yl)-pyrrolidin-2-ol NR Babu, H Saleem, S Subashchandrabose, MSA Padusha, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 152, 252-261, 2016
57. Suzuki-Miyaura cross-coupling reaction in water: facile synthesis of (hetero) aryl uracil bases using potassium organotrifluoroborates under microwave irradiation. B Savitha, AM Sajith, EK Reddy, CS Kumar, M Padusha *ChemistrySelect* 1 (15), 4721-4725, 2016
58. Diethyl 4-(3-chlorophenyl)-2-methyl-6-phenyl-1,4-dihydropyridine-3,5-dicarboxylate FMM Ahamed, MSA Padusha, B Gunasekaran *IUCr Data* 1 (1), x160155.

59. Metal complexes of n-[morpholine-4-yl-(4-nitrophenyl)-methyl]-benzamide: synthesis, characterization and evaluation of pesticidal and larvicidal activity, *World Journal of Pharmaceutical Research*, Kannan et al., 6(10),1138,2017
60. 3-(benzo[d][1,3]dioxol-5-yl)-3-morpholin-4-yl-1-phenylpropan-1-one and its metal complexes: synthesis and exploration of their bioactivity kannan et al., *world journal of pharmaceutical research*, 6(12),2017.874
61. Phytochemical Screening and Antimicrobial Studies in Leaf Extracts of *Indigofera aspalathoides* (Vahl.) *Pharmacogn J.* 1208-1215, 10(6)2018.
62. Fabrication of electrospun poly(vinyl alcohol)/dextran nanofibers via emulsion process as drug delivery system: Kinetics and in vitro release study process as drug delivery system: Kinetics and in vitro release study *International Journal of Biological Macromolecules* 1250-1259, 116 (2018)
63. A Highly Efficient Catalyst for the Suzuki-Miyaura Cross-Coupling Reaction of 5-(5-chloropyridin-3-yl)-3-methyl-1,3,4-oxadiazol-2(3H)-one *J. Heterocyclic Chem.*, 00, 00(2018).
64. Molecular docking of 2-[(morpholin-4-yl) (pyridin-3-yl) methyl] hydrazinecarboxamide (mph) against extended spectrum of beta lactamase enzyme inhibition *rjlbpcs* 655, 4(4), 2018.
65. Mass spectrometric method for distinguishing isomers of dexamethasone via fragment mass ratio: An HRMS approach. *Mass Spectrometry*, 1–13.2018.
66. A Highly Efficient Catalyst for the Suzuki-Miyaura Cross-Coupling Reaction of 5-(5-chloropyridin-3-yl)-3-methyl-1,3,4-oxadiazol-2(3H)-one *J. Heterocyclic Chem.*, 00, 00(2018).
Bhaskaran Savitha,^a Eeda Koti Reddy,^b D. Parthasarathi,^a Rajeesh Pakkath,^c Ayyiliath M. Sajith,^{d*} C. S. Ananda kumar,^{e,f} Karickal R. Haridas,^c and M. Syed Ali Padusha^{*}
67. A highly efficient precatalytic system (XPhos- PdG2) for the Suzuki–Miyaura cross-coupling of 7-chloro-1H-pyrrolo[2,3-c]pyridine employing low catalyst loading *Molecular Diversity*
Received: 16 October 2018 / Accepted: 5 December 2018
Bhaskaran Savitha¹ · Eeda Koti Reddy² · D. Parthasarathi¹ · Rajeesh Pakkath³ · Ranjith Pakkath Karuvalam³ · C. S. Ananda Kumar^{5,6} · K. R. Haridas³ · M. Syed Ali Padusha¹ · Ayyiliath M. Sajith⁴
68. Molecular docking of 2-[(morpholin-4-yl) (pyridin-3-yl) methyl] hydrazinecarboxamide (mph) against extended spectrum of beta lactamase enzyme inhibition *RJLBPCS* 2018 S. Farook Basha^{1*}, A. Raja², M. Syed Ali Padusha¹
69. Ultrasonic Studies on the Nature of Molecular Interaction of Synthesized Mannich Bases in DMSO at Different Temperatures. *Asian Journal of Chemistry*; Vol. 31, No. 4 (2019), 960-96 S. FAROOK BASHA* and M. SYED ALIPADUSHA
70. Suzuki-Miyaura coupling under microwave enhanced conditions: synthesis of 2-(hetero)aryl benzimidazoles *Arkivoc International Journal*
71. Fabrication of sustained release system of electrospun poly(acrylic acid)/Dextran nanofibers using emulsion electrosponning as wound dressing applications, *Journal of Nanoscience and Nanotechnology*, vol. 20 (2020), 1-10, A. Meera Moydeen, Badr M. Thamer, Ali Aldabahi, Hany El-Hamshary, Abdullah M. Al-Enizi, M. Syed Ali Padusha, Mohamed H. EI-Newehy.

73.Synthesis,quantum chemical calculations and molecular docking studies of 2-ethoxy-4[(2-trifluoromethyl-phenylimino)methyl]phenol,Molecular Physics DOI:10.1080/00268976.2020.1781945.

Conference / Seminar attended with presenting paper:

1. Presented a Paper entitled “**Studies on ground water pollution of Tannery Effluent at Sempattu, Tiruchirappalli, Tamil Nadu.**” at the State Level Seminar on Environmental Pollution organized by Sri Parasakthi College for Women, courtallam, Tamil Nadu held on 12th and 13th Dec2002.
2. Presented a Paper entitled “**Synthesis and characterization of Biologically active Nitrogen containing Mannich bases.**”, at the UGC sponsored State Level Seminar on The New Vistas in Spectroscopic techniques organized by Department of Chemistry, Islamiah College, Vaniyambadi, Tamil Nadu, held on 12th and 21st Aug2005.
3. Presented a Paper entitled “**Synthesis, characterization and Biological activity Cu(II), Ni(II), Co(II) and Zn(II) complexes of N-(1-morpholinosalicylyl)acetamide**”, at the DST, TNSCST and NCSTC sponsored National Seminar on Emerging Trends in Chemistry organized by Department of Chemistry, PSGR Krishnammal College for Women, Coimbatore, Tamil Nadu, held on 28th and 29th Dec2006.
4. Presented a Paper entitled “**Synthesis and characterization and antimicrobial activity of novel Mannich bases of salicylylaldehyde**”at the National Level Seminar on Recent Trends in HeteroatomChemistryconductedbyAnnamalaiUniversity,AnnamalaiNagar,Tamilnaduheldon 28th and 29th March2007.
5. Presented a Paper entitled “**Synthesis and characterization and Biological activity of Cu(II), Ni(II), Co(II) and Zn(II) complexes of N-(1-morpholinosalicylyl)semi- and thiosemicarbazide**”, at the National Level Seminar on Recent Trends in Heteroatom Chemistry conducted by Annamalai University, Annamalai Nagar ,Tamilnadu held on 28thand 29th March 2007.
6. Presented a Paper entitled “**Synthesis and characterization and Biological activity of Cu(II), Ni(II), Co(II) and Zn(II) complexes of N-(1-piperidinosalicylyl)semi- and thiosemicarbazide**”, at the National Level Seminar on Recent Trends in Heteroatom Chemistry conducted by Annamalai University, Annamalai Nagar ,Tamilnadu held on 28thand 29th March 2007.
7. Presented a Paper entitled “**Synthesis and characterization and Biological study of metal complexes of Novel Mannich base (PSNA)**”, at the National Conference in Chemistry conducted by Periyar University, on 1st and 2nd March2007.Presented a Paper entitled “**Synthesis and characterization and Biological study of metal complexes of Novel Mannich base (MSBA)**” at the National Conference in Chemistry conducted by Periyar University, on 1st and 2nd March2007.
8. Presented a Paper entitled “**Synthesis and characterization and Antimicrobial activity of some Novel Mannich bases** at the National Symposium on Frontier areas in Chemistry in Chemistry organized by The American College ,Madurai ,Tamilnadu held on 10thand 11th Jan 2008.

9. Presented a Paper entitled "**Synthesis and characterization and Biological activity of Cu(II) and Ni(II) Complexes containing O,N-donor ligands**" at the National Level Seminar on Recent advances in physical organic chemistry organized by National College, Tiruchirappalli Tamilnadu held on 11th and 12th Feb 2008.
10. Presented a Paper entitled "**Synthesis and characterization and Biological activity of Cu(II) Ni(II) and Co(II) Complexes of Phenolic derivatives**" at the UGC Sponsored National Conference on Recent Trends in coordination and organometallic chemistry organized by Department of Chemistry ,Sri Ramakrishna Mission Vidyalaya College Of Arts And Science, Coimbatore, Tiruchirappalli ,Tamilnadu held on 17th and 18th July 2008.
11. Presented a Paper entitled "**Synthesis and characterization of Novel derivatives of 2-Hydroxy pyrrolidine**" at Chennai Chemistry Conference held at Indian Institute of Technology during February 11-13,2011.
12. Presented a Paper entitled "**Synthesis and characterization and antimicrobial study of metal complexes of O,N-donor ligands**" at the National Conference on Emerging Trends in Chemistry organised by Bishob Heber College ,Tiruchirappalli ,on 11th Jan2012.
13. Presented a Paper entitled "**Synthesis and characterization and** " at the National Seminar on Chemistry Education and Research & National convention of chemistry teachers (NCCT-13) Sponsored by SERB (DST) Organized by Department of Chemistry - Annamalai University Tamilnadu – held on Nov – 8 – 10 –2013.
14. Presented a Paper entitled "**Aryl/heteroaryl pentafluorobenzenesulfonates.electrophilic coupling partners for Suzuki-Miyaura cross coupling reactions and regioselective synthesis of C-2substituted imidazo[4,5-b]pyridines** " at the 6th International Chemistry Conference Organized by Saudi Chemical Society and Department of Chemistry,College of Science ,King Saud University,Riyadh-Saudi Arabia on 8 –10Nov2016.
15. Presented a paper entitled "**Transition metal complexes of N-(1-Morpholinosalicyl)Acetanilide and their antimicrobial activity**". At a two day international conference on new vistas in material science organized by P.G. research department of J.J.college of arts and science on 8 & 9th March 2018.
16. Presented a Paper entitled "**Aryl/heteroaryl pentafluorobenzenesulfonates.electrophilic coupling partners for Suzuki-Miyaura cross coupling reactions and regioselective synthesis of C-2substituted imidazo[4,5-b]pyridines**" 4th International Conference on Chemical and Environmental Research (ICCER-2019)
17. Presented a Paper entitled "An efficient and sustainable methodology for one-pot synthesis of 1,4-dihydro pyridine derivatives by hantzsch reaction in 5th International Conference on Chemical and Environmental Research (ICCER-2020).

Conference / Seminar / Webinar attended without presenting paper:

1. Participated in the National Symposium on “Recent Developments in Organometallic Chemistry” held on 27 and 28 March 2003, organized by the Department of Chemistry, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu.
2. Participated in the 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.
3. Participated in the UGC sponsored State Level Seminar on “**Emerging Trends in Chemistry**” held on 9th March 2006, organized by Jamal Mohamed Collge, Tiruchirappalli
4. Participated in the TANSCH AND UGC Sponsored three day workshop on “**Curriculum development and evaluation**” conducted during 2-4 March 2006, organized by UGC-ACADEMIC STAFF COLLEGE, BHARATHIDASAN UNIVERSITY, Tiruchirappalli, Tamil Nadu.
5. Participated in the Seminar Sponsored under Autonomous Grant “**Advanced Topics in Chemistry**” held on 13, 14 March 2007, organized by the Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, TamilNadu.
6. Participated in the UGC Sponsored National Level workshop on “**Computational Chemistry**” held on 26, 27, 28 March 2007, organized by the Department of chemistry, Sir Syed College, Kannur Dt, Kerala.
7. Participated in the UGC Sponsored Statel Level seminar on “**Modern Techniques in Chemistry**” held on 5th& 6th March 2008, organized by the Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, TamilNadu.
8. Participated in the UGC Sponsored Statel Level seminar on “**Frontier studies in Chemistry**” held on 9th& 10th Feb 2010, organized by the Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, TamilNadu.
9. Participated in the UGC Sponsored Statel Level seminar on “**Modern Techniques in Chemistry**” held on 5th& 6th March 2008, organized by the Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, TamilNadu.
10. Participated in the Workshop on “**Testing and Evaluation**” held from 28th to 30th May 2009, organized by the National Testing Service-India at National College, Tiruchirappalli, TamilNadu.
11. Participated in the UGC Sponsored Statel Level seminar on “**Examination reforms Chemistry**” held on 12th March 2010, organized by Jamal Mohamed College, Tiruchirappalli, TamilNadu.

12. Participated in the NAAC Sponsored National Level seminar on **“Quality Enhancement in teaching, Research and Extension in Higher Education Institutions-Prospects and Problems** held on 15th& 16th April 2010, organized by **Internal Quality Assurance Cell** Jamal Mohamed College, Tiruchirappalli, TamilNadu.
13. Participated in the UGC Sponsored Statal Level seminar on **“Recent trends in Chemical Research** held on 5^h& 6th Oct 2010, organized by the Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, TamilNadu.
14. Participated in the UGC Sponsored Statal Level seminar on **“Examination reforms Chemistry”** held on 12th March 2010, organized by Jamal Mohamed College, Tiruchirappalli, TamilNadu.
15. Participated in workshop on Quality enhancement of Research: New Paradigm in Trans-disciplinary approaches and IPR” held on 6th September 2019, organized by Internal quality assurance Cell and Innovation and incubation Centre, Jamal Mohamed College, Tiruchirappalli, TamilNadu
16. Participated in the Emerging Frontiers in Chemical Sciences held from 13th to 15th December, Organized by Post Graduate & Research Department of Chemistry, Farrok College (Autonomous) Kozhikode, Kerala.
17. Participated in Orientation programme on **“MOOC’s and E-learning”** held on 29th January 2020, organized by Department of Library, Jamal Mohamed College, Tiruchirappalli-01
18. Participated in GYANOTSAV-2020 (An Educational Conclave), held from 19th to 20th February 2020, Jointly organized by SHIKSHA SANSKRITI UTHAN NYAS (SSUN), Tamil Nadu Chapter and National College, Tiruchirappalli-01.
19. Attended four days Webinar on **“AN EFFECTIVE RESEARCH PAPER WRITING SKILLS”** from April 13-16, 2020 conducted by Bhagwan Mahavir University.
20. Participated in the workshop on **“ONLINE RESEARCH METHODOLOGY WORKSHOP”** and qualified the exam from April 12-14, 2020 organised by REST society for Research International [RSRI], Krishnagiri, Tamilnadu.
21. Participated in the webinar on **“QUANTIFYING THE QUALITY OF RESEARCH”** conducted by Dr. Hiren Patel from May 2-3, 2020.
22. Participated in the National level online workshop on **“SMART RESEARCH 2020”** from May 7-9, 2020 organized by Government First Grade College, Kanakapura, Karnataka.
23. Participated in the webinar **“GOOD TEACHER TO GREAT TEACHER”** expert session by DR. Sylendara Babu IPS held on 14th May 2020, conducted by ICT Academy.

24. Attended National online Workshop on “**ICT BASED TEACHING IN CHEMISTRY**” held on 18th May 2020, at Kasturba Gandhi Degree & PG College for Women, Secunderabad, Telugana.
25. Participated in the Webinar on “**QUALITY METRICS IN HIGHER EDUCATION**” organized by the Internal Quality Assurance Cell, Sadakathullah Appa College, Tirunelveli, under the Paramash Scheme on 21st May 2020.
26. Attended an Online Lecture on “**FUNDAMENTAL CONCEPTS IN PHYSICAL CHEMISTRY AND ONLINE HELP**” organised by the SRM Institute of Science and Technology, Ramapuram, Chennai, held on 22nd May 2020.
27. Participated in the Webinar on “**STRUCTURAL CHARACTERISATION OF DRUGS BY SPECTROSCOPIC**” organized by PG and Research Department of Chemistry, G.T.N.Arts College, Dindigul on 20th May 2020.

Acted as Resource person:

1. Acted as a resource person for the UGC-NET free coaching class held at Govt College (Autonomous) Kumbakonam-612001 held on 16th Nov-2010. Served as a member in the selection of national youth award for the year 2009-2010 awarded by Tamilnadu Sports Development Commission, Chennai held on 9.8.2010.
2. Acted as a resource person for the aspirants of -NET free coaching class organised by the Centre for the youth Development and Studies, Bharathidasan University, Tiruchirappalli-620023. held on 27.11.2010. Acted as a resource person for the UGC-NET free coaching class held at Govt College (Autonomous) Kumbakonam-612001 held on 11th Dec-2010.
3. Acted as a resource person for the UGC-NET free coaching class held at Tamilvel Umamaheswarnar Karanthi Arts College 612001 held on 22.6.2011.
4. Acted as a resource person for the seminar organised by the Department of Chemistry, Oxford Engineering College, Tiruchirappalli-620009 held on 26th Feb 2011.
5. Acted as a resource person for the chemistry Association meeting held at Govt Arts College Thuvakudimalai, Tiruchirappalli-22
6. Acted as a resource person in the UGC-CSIR NET and SET coaching for the chemistry students organised by the Department of Industrial Chemistry, Alagappa University, Karikudi. Association
7. Acted as a panel member to conduct personal interview towards the recruitment of faculty member in the Department of chemistry of Pavendar Bharathidasan College of Engineering and Technology, Tiruchirappalli-24 held on 23.1.2013
8. Acted as a resource person for the aspirants of -NET free coaching class organised by the Centre for the youth Development and Studies, Bharathidasan University, Tiruchirappalli-620023. held on 21.12.2013.

9. Acted as a resource person for the chemistry Association meeting held at Bishop Heber College, Tiruchirappalli-17 on 30-1-2015.
10. Acted as a resource person for the state level technical symposium held at Sasure College of Engineering, Coimbatore may 2016.
11. Acted as a resource person for the chemistry association meeting held at J.J. College of Arts and Science pudukottai on june 2016.
12. Acted as a resource person for the aspirants of -NET free coaching class organised by the School of Economics Bharathidasan University, Tiruchirappalli-620023. held on Feb 2017
13. Acted as a resource person for the aspirants of -IAS, free coaching class organised by the School of Economics Bharathidasan University, Tiruchirappalli-620023. held on 16th March 2017 at Bharathidasan University Constituent college-Inamkulathur
14. Acted as a resource person and delivered a lecture on "Good Laboratory Practices" for the Lab Assistants of chemistry Department organised by P.G. and Research Department of Chemistry Bishop Heber College, Tiruchirappalli-17, on 15th March 2017.
15. Acted as a resource person in the UGC-CSIR NET and SET coaching for the chemistry students, organised by the Department of Chemistry, Khadir Mohideen College, Adiramapattinam, on 19th March 2017
16. Acted as a resource person in the state Level preparative Workshop in Chemistry for the NET/GATE aspirants-2017 organised by the PG&Research Department of Chemistry, St. Joseph College (Autonomous), Tiruchirappalli-620002, on 7th December 2017
17. Acted as a chairperson for the Technical Session in the International conference on Frontiers in Advanced Materials and their Applications chemistry organised by P.G. and Research Department of Chemistry Bishop Heber College, Tiruchirappalli-17, on 9th January 2018
18. Acted as a Judge on SWACHHTA PAKHWADA-2020, organized by UGC nodal office, Water & Forest Conservation, Jamal Mohamed College, Tiruchirappalli-20
19. Acted as a resource person and inaugurated chemistry association on 4th March 2020, at VIDIAL College, Viralimalaai, Pudukottai.
20. Acted as a resource person in National Science Day celebration at Mahindra College (Autonomous), Namakkal-637503.

Orientation / Refresher Attended:

| S.No | Name of the Programme | Name of the University | Duration of the Programme |
|------|-------------------------------|--|---------------------------|
| 1 | Orientation Course | UGC- Academic Staff College Bharathidasan University | 17-05-2003 – 13-06-2003 |
| 2 | Refresher Course | UGC- Academic Staff College Bharathidasan University | 03-11-2003 – 23-11-2003 |
| 3 | Refresher Course | UGC- Academic Staff College Bharathidasan University | 01-12-2011 – 21-12-2011 |
| 4 | Faculty Development Programme | Spoken Tutorial, IIT-Bombay & Department of Mathematics, Jamal Mohamed College | 11-05-2020 – 14-05-2020 |
| 5 | Faculty Development Programme | MHRD- Ramanujan College University of Delhi | 18-05-2020 – 03-06-2020 |