

Jamal Mohamed College (Autonomous), Tiruchirappalli-20

RESUME

Department of Chemistry (Aided)



1. Name : **Dr. M. MOHAMED SIHABUDEEN**
2. Sex : Male
3. Designation : Associate Professor & Head
Registrar of Attendance
4. Date of birth : 21.05.1963
5. Address:

Residential:

17, Khajamalai main Road,
Tiruchirappalli – 620 023
Tamil Nadu, India.
Phone: 0431 – 2421123

Email: mdsihabu@yahoo.co.in

Office:

PG & Research Department of Chemistry
Jamal Mohamed College (Autonomous),
Tiruchirappalli – 620 020, Tamil Nadu,
Phone: 0431 – 2332235*30
Fax : 0431 – 2331035.

Mobile: +91-98945 09776
Email: ms@jmc.edu

6. Educational Qualifications:

S.No.	Examination Passed	University / College	Year of Passing
1.	M.Sc.	Bharathidasan University	1985
2.	M.Phil.	Bharathidasan University	1988
3.	Post-Graduate Diploma in Computer Applications	Bharathidasan University	1991
4.	B.Ed.	Annamalai University	1992
5.	Ph.D.	Bharathidasan University	2008

7. Experience:

Undergraduate : 36 years
Postgraduate : 36 years
M.Phil. : 19 Years

8. Languages known : Tamil and English

9. Areas of Specialization : Synthetic Organic Chemistry, Industrial Chemistry and Electro Chemistry

10. Subjects Taught:

Under Graduate:

1. Organic Chemistry
2. Applied Chemistry

Post Graduate:

1. Pharmaceutical Chemistry
2. Organic Chemistry

M. Phil:

Instrumentation Techniques

11. Research Supervision :

M.Phil Degree – Thesis Completed – 37
Thesis Pursuing – 2
Ph.D. Degree – Thesis Completed – 7
Thesis Pursuing – 1

12. Details of Publications:

1.	Synthesis and Characterization of N-Mannich Bases of Carbazoles	Coromandal Journal of Science	1(1), 52-54, December 2012.
2.	Synthesis, Characterization and antimicrobial activity of New Mannich base	Der Chemica Sinica, Pelagia research library	5(1), 18-21, 2014
3.	Synthesis, Characterization and antimicrobial activity of Novel Mannich base	Asian Journal of Biochemical and Pharmaceutical Research	4(4), 218-223, 2014 Impact Factor: 0.456

4.	One-pot Synthesis of 3, 4-Tetrahydropyrimidine-5-Carboxylate using Lanthanum (III) Chloride (LaCl ₃ ·7H ₂ O) as a catalyst	World Journal of Pharmaceutical Research	4(7), 1115-1125, 2015 Impact Factor 5.990.
5.	Physico Chemical Characteriscits of Groundwater of Cuddalore District, Tamilnadu, South India	Journal of Chemistry and Chemical Sciences	Vol.5(10), 542-549, October 2015
6.	Study on ground water pollution at Tiruchirappalli town, Tamil Nadu	Advances in Applied Science Research, Pelagia research library	6(5),1-5,2015
7.	Studies on heavy metal pollution of ground water in and around Trichy town, Tamilnadu, India	Advances in Applied Science Research, Pelagia research library	6(8),155-160,2015
8.	Monitoring the quality of ground water pollution in and around Trichy town, Tamil Nadu	Der Chemica Sinica	6(4), 39-42, 2015
9.	Impact of Heavy Metals on Groundwater of Cuddalore District, Tamil Nadu	International Journal of Nano Corrosion Science and Engineering (IJNCSE)	2(5), 236-244, 2015
10.	One-pot three component (LaCl ₃ ·7H ₂ O) catalysed biginelli reaction for the synthesis of 1,2,3,4-tetrahydropyrimidine	World Scientific News (WSN)	35 , 87-99, 2016
11.	Synthesis and biological evaluation of some novel heterocyclic Chalcone derivatives	Asian Journal of Pharmacy and Pharmacology	3(6): 247-250, 2017

12.	Synthesis and biological evaluation of some novel chalcone derivatives as anti-inflammatory agentsx	World Journal of Pharmaceutical Research	Volume 7, Issue 2, 947-955, 2018
13.	Pollution characteristics of organic, elemental carbon and water soluble organic carbon in PM 2.5 at Tropical city Tiruchirappalli, Tamilnadu, India	International Journal of Scientific Research in Biological Sciences	Volume 5, Issue 6, 2018
14.	Source apportionment and seasonal variation of particulate matter (PM2.5) with emphasis on OC.EC and WSOC in a tropical city Tiruchirappalli , Tamilnadu India	Journal for IAETSD-JARAS	Volume 5, Issue 3, March- 2018
15.	Synthesis and evaluation of piperonal chalcone and its derivatives as anti-diabetic agents	European Journal of Biomedical And Pharmaceutical Sciences	Volume 5, Issue 2, 514-518, 2018
16.	PM _{2.5} bound carbon fractions over Tiruchirappalli city (India) and influence of meteorological factors	International Journal of Pharmacy and Biological Sciences	Volume 10, Issue 1, 2019
17.	Aromatic Hydrocarbons Bound to PM 2.5 in Urban Tiruchirappalli city, India with Emphasis on Source Apportionment	Asian J. Chem.	Volume 9, Issue 2, 2019
18.	Spectral Characterization And In-Vitro Anti-inflammatory Potential Of An EDP Schiff Base	Research Journal of Pharmaceutical, Biological and Chemical Sciences	10 (6), 99, 2019
19.	Seasonal Variations in Physicochemical Parameters of Groundwater near Thamirabharani River	International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS)	Volume 10(11, Special Issue), 289-295, 2021.

	Band in Tirunelveli District, Tamilnadu, India		
20.	Study of Heavy metal pollution in ground water near proximity of Thamirabharani River, Tamilnadu, India	International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS)	Volume 10(11, Special Issue), 269-304, 2021.

13. Details of Papers Presented:

1. Presented a paper in the CSIR sponsored **"National Seminar on corrosion and its control"** Conducted by National corrosion council of India and PG and Research Department of Chemistry, Holy cross College(Autonomous), Tiruchippalli-2 during 31st November and 1st December 2007.

Title of the Paper: "A study on corrosion inhibition of mild steel by Phosponium compounds".

2. Presented a paper in the CSIR sponsored **"National Seminar on corrosion and its control"** Conducted by National corrosion council of India and PG and Research Department of Chemistry, Holy cross College (Autonomous), Tiruchippalli-2 during 31st November and 1st December 2007.

Title of the Paper: "A study on corrosion inhibition of mild steel by Phosponium compounds in acid medium".

3. Presented a Paper in the National Conference on "Emerging Trends in Chemical Sciences" (**NCETCS'12**) organized by the Department of Chemistry, Gnanamani College of Technology & Gnanamani College of Engenering, Namakkal on April 18, 2012.

Title of the Paper: "Synthesis and Characterization of N- Mannich Bases of Carbazole".

4. Presented a Paper in the National Conference on "Current Trend in Chemistry Research" (**NCTCR-2013**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College(Autonomous), Tiruchirappalli-20, Tamilnadu, February 27th & 28th 2013.

Title of the Paper: "Synthesis and biological study of mannich base derivatives from carbozole".

5. Presented a Paper in the National Conference on "Current Trend in Chemistry Research" (**NCTCR-2013**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College(Autonomous), Tiruchirappalli-20, Tamilnadu, February 27th & 28th 2013.

Title of the Paper: Synthesis, Characterisation and antimicrobial activity of 1-[(3-nitrophenyl)(2-phenyl hydra zinyl)methyl]-1-h-benzimidazole.

6. Presented a Paper in International Conference conducted by Bishop Heber College (Autonomous), Tiruchirappalli during 9th & 10th January 2014.

Title of the Paper: Physico-chemical characteristics of ground water around Cuddalore district, Tamilnadu.

7. Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER-2014**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College(Autonomous), Tiruchirappalli -20 during 11th and 12th March 2014.

Title of the Paper: Synthesis and antimicrobial activity of some new mannich base derivatives

8. Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER-2014**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College(Autonomous), Tiruchirappalli -20 during 11th and 12th March 2014.

Title of the Paper: Synthesis, Characterization and biological study of n-(((4h-1,2,4-triazole-4yl)amino)4-(dimethylamino)phenyl] benzamide.

9. Presented a Paper in International Conference on "**Chemical and Materials**" organized by Department of Chemistry, Bharathidasan institute of technology BIT campus, Anna University, Tiruchirappalli during 14th & 15th November 2014.

Title of the Paper: Variation in physio chemical characters of ground water quality among taluk of Cuddalore, Tamil Nadu.

10. Presented a Paper in National Conference of "Current Scenario In Material Chemistry (**CSIMC2015**)" Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli during 09th and 10th February 2015.

Title of the Paper: Synthesis, Characterisation and Antimicrobial activity of noval Mannich bases

11. Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER-2015**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 17th March 2015.

Title of the Paper: A fast one-pot multi-component synthesis of Tetrahydroquinazoline in the presence of Lanthanide(III) Chloride using as a catalyst.

12. Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER-2017**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 07th January 2017.

Title of the Paper: Synthesis, Characterisation and Anti diabetic activity of novel chalcones

14. Details of Seminars / Conferences / Workshops Attended:

1. 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 (Autonomous), Tiruchippalli-20 during 24 & 25

September 2004.

2. Participated in the UGC sponsored State Level Seminar on **“Emerging Trends in Chemistry”** Conducted by PG & Research Department of Chemistry Jamal Mohamed College (Autonomous), Tiruchirappalli 9th March 2006.
 3. Participate a seminar on **“Advanced Topics in chemistry”** Conducted by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Trichy on 13th & 14th March 2007.
 4. Participated in the National seminar on **Recent advances in Textile and Electrochemical Sciences** (RATES-2007) organized by Department of Industrial Chemistry, Alagappa University, Karaikudi on June 1st and 2nd 2007.
 5. 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 on 8th December 2010.
 6. Participated in the one day seminar on **“Teaching, Learning and Research in Higher Education – Excellence and Beyond Excellence”** organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli during 7th March 2012.
 7. Participated in 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 on 22nd December 2015.
15. Details of Seminars / Conferences / Workshops Organized ----
1. Convener – UGC sponsored two days state level seminar on the topic **“Frontier Studies in Chemistry”** at PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchippalli-20 on 9th and 10th February 2010.

2. Coordinator - UGC sponsored two days "1st International Conference on Chemical and Environmental Research (**ICCER-2014**)", Organized by PG & Research Department of Chemistry, Jamal Mohamed College(Autonomous), Tiruchirappalli -20 during 11th and 12th March 2014.
3. Coordinator - UGC sponsored two days National Conference of "Current Scenario In Material Chemistry (**CSIMC2015**)" at PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli during 09th and 10th February 2015.
4. Coordinator – UGC sponsored one day "2nd International Conference on Chemical and Environmental Research (**ICCER-2015**)", Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli -20 on 17th December 2017.
5. Coordinator – UGC sponsored two days "3rd International Conference on Chemical and Environmental Research (**ICCER-2017**)", Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli -20 on 07th January 2017.
6. Coordinator – Three days "State Level Workshop on Domestic Products Preparation", Organized by PG & Research Department of Chemistry, Jamal Mohamed College(Autonomous), Tiruchirappalli -20 on 03rd to 05th January 2018.
7. Coordinator – UGC sponsored two days "National Conference on Recent Trends in Chemistry" (**NCRTC-2018**)", Organized by PG & Research Department of Chemistry, Jamal Mohamed College(Autonomous), Tiruchirappalli -20 on 20th January 2018.
8. Coordinator – UGC sponsored one day "4th International Conference on Chemical and Environmental Research (**ICCER-2018**)", Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli -20 on 19th December 2018.
9. Coordinator – Two day "Workshop on Domestic Products Preparation", Organized by PG & Research Department of Chemistry, Jamal

Mohamed College(Autonomous), Tiruchirappalli -20 on 26th to 27th September 2018.

10. Coordinator – UGC sponsored one day “5th International Conference on Chemical and Environmental Research (**ICCER-2020**)”, Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli -20 on 08th January 2020.

11. Coordinator – UGC sponsored one day “6th International Conference on Chemical and Environmental Research (**ICCER-2020**)”, Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli -20 on 12th November 2020.

16. Administrative Positions held in the College:

- Acting as Registrar of Attendance, From 2008 - 2017
- Head of the Department of Chemistry, From June 2013 – Till date
- Additional Vice Principal, From June – 2018

17. Details of In charge / Membership in Committees for Autonomous Programme Implementation:

- ✓ Acted as vice-president, chemistry Association during 1996-97
- ✓ Acted as Vice-President, Chemistry Association for the Academic year 2007- 2008.
- ✓ Acting as Member, Internal Quality Assurance Cell for the year 2009 - Till date.
- ✓ Member – Board of Studies, Department of Chemistry, Rajah Serfoji Govt. Arts College, Thanjavur for 3 yrs.
- ✓ Member in-charge of Value education, Jamal Mohamed College (Autonomous), Tiruchirappalli-20

- ✓ Member in-charge of Gender Studies, Jamal Mohamed College (Autonomous), Tiruchirappalli-20
- ✓ Chairman - Board of studies, PG & Research Dept. of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-20

18. Major / Minor / Other Research Projects (UGC, DST-FIST, DBT, ICSSR, AICTE, etc.):

Ongoing Projects (2021-2022)

S.No.	Type of Research Project (Minor / Major)	Principal Investigator	Project Title	Name of the Funding Agency	Amount Sanctioned (Rs.)	Duration of the Project
1.	Student Project Scheme	Dr. M. Mohamed Sihabudeen	Source Apportionment and Seasonal Variation of Particulate Matter (PM 2.5) in a Topical City, Tiruchirappalli	TNSCST	7,500	3 Months