

Jamal Mohamed College (Autonomous)
DBT Star Scheme & DST–FIST Funded
(Affiliated to Bharathidasan University)
Tiruchirappalli-20



RESUME

Department of Chemistry (SF)

1. **Name** : Dr. S. MOHAMED RABEEK

2. **Date of birth** : 30-01-1986

3. **Address:**

Residential:

30/40, Gandhi Street,
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Jamal Mohamed College (Autonomous)
Tiruchirappalli – 620 020
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4. **Designation:** Assistant Professor in Chemistry

5. **Educational Qualifications:**

S.No.	DEGREE	EXAMINATION PASSED	INSTITUTION
1.	Bachelor Degree	B.Sc. (Chemistry)	The New College (Madras University), Chennai
2.	Master's Degree	M.Sc. (Chemistry)	Jamal Mohamed College (Bharathidasan University), Trichy
3.	Research Degree	M.Phil. (Chemistry)	Jamal Mohamed College (Bharathidasan University), Trichy
4.		Ph.D. (Chemistry)	Jamal Mohamed College (Bharathidasan University), Trichy
5.	Online Course	Basic Inorganic Chemistry	Swayam (NPTEL)

6. **Teaching Experience:**

Undergraduate: 10 years
Postgraduate : 10 years
M.Phil : 3 years

7. **Areas of Specialization** : Synthetic Organic Chemistry

8. **Languages known** : Tamil, English, Hindi & Urdu

9. Subjects Taught:

Under Graduate : General Chemistry, Environmental Science

Post Graduate : Inorganic Chemistry, Organic & Physical chemistry,
Green and Nano chemistry, Applied Chemistry

10. **Research Supervision** : Yes

Research Area of Interest : 1. Synthetic Organic Chemistry
2. Inorganic Metal Complex Synthesis
3. Green and Nano Compound Synthesis
4. Corrosion Inhibitor Studies
5. Environmental Science

Research Guidance:

Research Advisorship:

Research advisor for Ph.D., Programme in Bharathidasan University
[**Ref No.** 141945/Ph.D/K12/Chemistry/R.A./14.11.2022]

Research Identity:

Citation : 23

h- index : 03

Google Scholar: <https://scholar.google.com/citations?hl=en&user=Gb6rPLMAAAAJ#d>

Orcid ID: <https://orcid.org/0000-0003-1019-5449>

Research ID: <https://researchid.co/rafeeqchem>

Degree	No. of candidates		
	Awarded	Submitted	Perusing
M.Phil. in the Academic year 2020 till date	02	-	-

Research Projects:

S.No	Title of the Project	Name of the Funding Agency	Amount in Rs.	Duration	Remarks Completed / Pursuing.
1.	DESIGN AND IN-SILICO STUDIES OF NOVEL HETEROCYCLIC COMPOUND AS ANTI-INFLAMMATORY AGENTS	SEED MONEY RESEARCH PROJECT SCHEME, JAMAL MOHAMED COLLEGE	7500	2022 - 2023	Pursuing

11. Additional Responsibilities:

- ❖ Acted as in-charge in the Department Store-Keeping (2016-2018)
- ❖ Member of question setting and valuation board in Jamal Mohamed College, Trichy and Bharathidasan University, Trichy.
- ❖ Acted as Internal and External Examiner for Bharathidasan University Practical Examinations in various Colleges.
- ❖ Acted as Evaluator for Central Valuation for Bharathidasan University, Trichy conducted in Jamal Mohamed College from 2015-2019.
- ❖ Acted as **Tutor in charge** for postgraduate students in chemistry department (SF), Jamal Mohamed College (Autonomous), Tiruchirappalli, from 2018 to 2020, 2022-2024
- ❖ Handled **Deeniyath classes** for various department men students in Jamal Mohamed College, Tiruchirappalli, India, from 2013 till date.
- ❖ Served as a Organizing Committee Member a **State Level Intercollegiate Extravaganza Symphoria '18** organized by the PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 20th February 2018.
- ❖ Served as a **Organizing secretary** in the **Intra-Department Extravaganza "CHEM-FIESTA' 19"** organized by PG & Research department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, held on 18th September 2019.
- ❖ Acted as a **Organizing committee member** in the **Inter collegiate Extravaganza "JAM CHEM FEST-2K20"** organized by PG & Research department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, held on 27th February 2020.
- ❖ Acted as Evaluator for **Digital Evaluation for Scanner-based Exam** at Vinayaka Missions Research Foundation, Salem.

12. Details of Publications:

- 1) **International Journal of Innovative Technology And Exploring Engineering (IJITEE) ISSN : 2278-3075, Volume – 3, Issue – March 10, 2014**
- 2) **J. Environ. Nanotechnol., ISSN (Online): 2319-5541, Vol.3, No.4, 2014**
- 3) **World Journal of Pharmaceutical Research ISSN : 2277-7105, Volume- 4, Issue- 2, 1042-1045, February 2015**

- 4) **International Journal of Nano Corrosion science and Engineering (IJNCSE), ISSN: 2395-7018, 2(5), 368 - 374, December 2015**
- 5) **International Journal of Nano Corrosion science and Engineering (IJNCSE), ISSN: 2395-7018, 2(5), 360 – 367, December 2015**
- 6) **World Journal of Pharmaceutical and Medical Research, 6(4): 1557-1562, 2017 (International)**
- 7) **World Journal of Pharmaceutical and Medical Research, 6(6): 1073-1079, 2017 (International)**
- 8) **Springer International Publishing Switzerland, DOI-10.1007/978-3-319-44890-9-56, 685-707, May 2017**
- 9) **World Journal of Pharmaceutical and Medical Research, 3(9): 185-187, 2018 (International)**
- 10) **European Journal of Biomedical and Pharmaceutical Sciences, Volume 5, Issue- 2,575-2018. (International)**
- 11) **IAETSD Journal for Advanced Research In Applied Sciences, ISSN No: 2394-8442, 5(2), Feb-2018**
- 12) **Journal of Pharmacy and Biological Sciences (International), ISSN: 2230-7605, April-2019**
- 13) **INFOKARA RESEARCH (International), ISSN: 1021-9056, 8(12) December-2019**
- 14) **International Journal of Biology, Pharmacy and Allied Sciences [IJBPAS], ISSN: 2277-4998, November – 2021**
- 15) **Bulletin of Environment, Pharmacology and Life Sciences [BEPLS], ISSN: 2277-1808, February – 2022**
- 16) **Asian Journal of Organic & Medicinal Chemistry [AJOMC], ISSN: 2456-8937, June – 2022**
- 17) **European Chemical Bulletin [ECB], ISSN 2063-5346, Volume -12 , Special Issue-5 : Page: 503-509, May – 2023**
- 18) **European Chemical Bulletin [ECB], ISSN 2063-5346, Volume -12 , Special Issue-5 : Page:1212-1222, June – 2023**
- 19) **European Chemical Bulletin [ECB], ISSN 2063-5346, Volume -12 , Special Issue-5 : Page:1223-1229, June – 2023**

Number of Publications	Academic Year Upto 2023		
	Title	Published	Accepted for Publication
Book (Co-Authored)	FUNDAMENTALS OF IMPLANT BIOMATERIALS	1	-
Patent	DESIGN AND BIOLOGICAL STUDY ON NEW ANTI-INFLAMMATORY HYBRID DERIVATIVES	1	-
	CHEMICAL COMPOSITION AND BIOLOGICAL ACTIVITY OF VANILLA PALMARUM AND LIPPIAALBA	1	-
	MICROWAVE ASSISTED ONE POT METHOD FOR SYNTHESIZING FLUORESCENT CARBON DOTS FROM CHAYOTE SEEDS	1	-

13. Details of Papers Presented:

- 1) Paper presented in Jamal Mohamed College Topic on **"Synthesis of Novel piperidin-4-one; A 2D NMR studies"** on 4th - 5th January 2012, Tiruchirappalli – 20
- 2) **National Conference on Current Trend in Chemistry Research (NCTCR-2013)** in Jamal Mohamed College, on 27th & 28th February 2013, Tiruchirappalli – 20
- 3) Paper presented in Jamal Mohamed College Topic on **"Synthesis, spectral characterization and biological study of 3-chloro-2, 6-bis-(4-methoxy-phenyl)-3-methyl-piperidin-4-one"** on 11th & 12th March 2014
- 4) Paper presented in Jamal Mohamed College Topic on **"Single crystal X-ray diffraction study of 3-chloro-3-methyl-2,6-diphenyl-piperidin-4-one"** on 11th & 12th March 2014
- 5) Paper presented in Jamal Mohamed College Topic on **"synthesis, characterization and antimicrobial studies of 1-chloro-2,4-bis(4-methoxy-phenyl)-3-azabicyclo[3.3.1]nonan-9-one"** on 9th & 10th February 2015
- 6) Paper presented in Jamal Mohamed College Topic on **"synthesis, characterization and antimicrobial studies of 3,3-dichloro-2,6-bis(4-nitrophenyl) piperidin-4-one"** on 17th December 2015

- 7) Paper presented in Jamal Mohamed College Topic on "**synthesis, characterization and antimicrobial studies of 2,6-bis(pyridine-2-yl)3,5- diphenylpiperidin-4-one**" on 17th December 2015
- 8) Presented a Paper in National Seminar on Frontiers in Biosciences (**FIB-2016**), organized by the PG & Research Department of Biotechnology and Microbiology, Jamal Mohamed College, Tiruchirappalli on 5th March 2016.
- 9) 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.
- 10) Presented a Paper in National Conference on Recent Developments in Chemistry (**NCRDC-2018**) organized by the PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 20th January 2018.
- 11) Presented a Paper in National conference on Emerging trends in Material science, organized by Department of Physics, Chemistry and Electronics, Erode Arts and Science College (Autonomous), Erode, Tamil Nadu 07th February 2018.
- 12) Presented a Paper in International seminar on emerging trends in biological research (**EJBR-2018**) organized by the PG & Research Department of biotechnology & Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli on 03rd March 2018.
- 13) Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER-2018**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 19th December 2018.
- 14) Presented a Paper in International conference on Recent Trends in Chemistry (**ICRTC-2019**) organized by the PG Department of Chemistry, Dr. R.K.S college of arts and science, on 10-Jan-2019
- 15) Presented a research paper in the **International Conference** on "Emerging Trends in chemical sciences organized by **Arulmigu Palaniandavar Arts College For women**, Palani on 6th September 2019 (ICETCS)
- 16) Presented a research paper in the **International Conference** on Chemical and Environmental Research (ICCER-2020) at Jamal Mohamed College (Autonomous), Tiruchirappalli on 08th January 2020.
- 17) Presented a research paper in the "**National conference** on recent trends in materials science (NCRTMS- 2020) organized by **Thiru. Vi. Ka Government Arts College**, Thiruvarur, Tamilnadu on 14th February 2020.

14. **Details of Seminars / Conferences / Workshops Attended:**

- 1) **Frontier Studies in Chemistry** in Jamal Mohamed College, on 9th & 10th February 2010, Tiruchirappalli – 20

- 2) **HORIZON-2010** in National Institute of Technology (**NIT**), on 23rd October 2010, Tiruchirappalli – 15.
- 3) Participated UGC sponsored State Level Seminar on “**Recent Trends in Chemical Research (RTCR-2010)**” conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 5th and 6th October 2010.
- 4) **PROSPECTS IN CHEMISTRY** in Jamal Mohamed College on 11th March 2011, Tiruchirappalli – 20.
- 5) **National Conference on Emerging Trends in Chemistry** in Bishop Heber College on 11th January 2012, Tiruchirappalli-18
- 6) Participated in the State Level Seminar on “**New Vistas in Chemistry**” (**NVS-2012**) organized by the PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on the 4th & 5th January 2012.
- 7) **National Conference on Current Trend in Chemistry Research (NCTCR-2013)** in Jamal Mohamed College, on 27th & 28th February 2013, Tiruchirappalli – 20
- 8) Participated **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.
- 9) Participated “**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.
- 10) Participated “**International Conference on Chemical and Environmental Research (ICCER-2015)**”, conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 17th December 2015.
- 11) 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.
- 12) Participated in the three Day Lecture-cum-workshop on “**Interpretation of spectral, chromatographic, crystallographic and computational data of chemical systems**” jointly organized by PRIST University and IICPT, Thanjavur, at CRD, PRIST University, Vallam, Thanjavur on 28th – 30th January 2016.
- 13) Participated in a One Day RSC-NIT Trichy Symposium on “**Heterogeneous Catalysis and Sustainable Chemistry**” organized by the Department of Chemistry, National Institute of Technology, Tiruchirappalli on 05th November 2017.

- 14) Participated in a One Day "**Workshop on organic farming production**" organized by the PG & Research Department of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli on 27th and 28th January 2017.
- 15) Participated in a One Day Science Lecture workshop on "**Thrust areas in biological sciences**" organized by the PG and Research Department of Zoology, Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli on 09th and 10th February 2017.
- 16) Participated in a One Day National Seminar "**Recent advancements in materials (NLS-RAM: 17)**" organized by the PG & Research Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 15th February 2017.
- 17) Participated in Three-day **NLP-Based Faculty Empowerment Programme**, organized by the Internal Quality Assurance Cell, Jamal Mohamed College, Trichy 17th, 19th and 20th June 2017.
- 18) Participated in the International seminar on "**Recent trends on Discoveries of New drugs and Nano Sensors (RTDNS-2018)**", organized by PG Department of Chemistry, Dr. R.K.S college of arts and science, on 11-Jan-2018
- 19) Participated in Lecture workshop on "**Recent trends in Chemistry**" sponsored by Indian Academy Science (IAS) Bangalore, Indian National Science Academy (INSA) New Delhi and National Academy Science India (NASI), Allahabad, organized by Department of Chemistry, Thasim Beevi Abdul Kader College for Women (Autonomous), Kilakarai, Ramanthapuram, Tamil Nadu on 23rd and 24th Feb 2018.
- 20) Participated in a One Day workshop on "**Improving Teaching Practices- A Strategic Approach**" organized by the Internal Quality Assurance Cell, Jamal Mohamed College, Trichy - 23 June 2018.
- 21) Participated in a Two Day workshop on "**Cheminformatics and its application in Research and Drug Industry**" organized by the PG and Research Department of chemistry, Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli on 18th and 19th September 2018 in Collaboration with Makeintern.com and BEC (IIT Delhi)
- 22) Participated in the UGC CPE sponsored Two Day workshop on "**Professional Development for Academic Leadership in Curriculum Design**" organized by CDC, Jamal Mohamed College (Autonomous), Tiruchirappalli on 18th and 19th January 2019.
- 23) Participated in a One Day workshop on "**Career Opportunities in Chemistry**" organized by Department of chemistry SASTRA University on 9th Feb-2019.
- 24) Participated in the **Staff enrichment programme on ownership culture**, organized by the IQAC cell, Jamal Mohamed college, Trichy on 14th June 2019.

- 25) Participated in the International **workshop on Artificial Intelligence in Bioinformatics & Drug Discovery**” organized by Department of Biotechnology, Mohamed Sathak College of Arts and Science on 14th Augst-2019.
- 26) Participated in a One Day **workshop and Hands-on Training on Quantum Chemical Methods (QCM 2019)**” organized by Department of chemistry, Bannari Amman Institute of Technology, Sathyamangalam on 7th September-2019.
- 27) Participated in the National seminar on “**Emerging Frontiers In Modern Science (EFMS-2020)**”, organized by Department of Physics and Chemistry, Dhanalakshmi Srinivasan College of arts and science for women, on 09-Jan-2020.
- 28) Participated in the “**National seminar on Advanced Materials (NSAM-2020)**”, organized by Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 23-Jan-2020.
- 29) Participated in the “**Orientation Programme on MOOC’s and e-Learning**”, Organized by the Department of Library, Jamal Mohamed (Autonomous) college, Tiruchirappalli, On 29th January 2020.
- 30) Participated in the Special Lecture on “**Intellectual Property Rights and Prior Art Search for Research Development**” Organized by the Intellectual Property Rights Cell of Jamal Mohamed (Autonomous) College, Tiruchirappalli, On 05th February 2020.
- 31) Participated in a One Day workshop on “**Experimental and Computational Methods in Advanced Material Science (ECAMS-2020)**” Organized by PRIST University on 07-Feb-2020.
- 32) Participated in the one day basic training programme on “**Human Rights**” sponsored by the National Human Rights commission, New Delhi and Organized by PG and Research **Department of Social Work** , Jamal Mohamed College(Autonomous), Tiruchirappalli, on 12th February 2020.
- 33) Participated Jury a One Day “**NATIONAL SCIENCE DAY**” Organized by, Jamal Mohamed College (Autonomous), and Tiruchirappalli on 28th February 2020.
- 34) Participated in “**Enlivening The Art of Patenting – A Junior Level Workshop on Intellectual Property Rights**” Organized by Department of Social Work, Holy Cross College (Autonomous), Tiruchirappalli, on 05th March 2020.
- 35) Participated actively in the UGC sponsored faculty training programme on “**Food Processing Techniques**”, organized by PG and Research Department of Nutrition and Dietetics, Jamal Mohamed College (Autonomous), Tiruchirappalli held on 10th and 11th March 2020

ORIENTATION / REFRESHER ATTENDED:

S.No	Name of the Programme	Course Title	Name of the University	Duration of the Programme
1.	Refresher Course (Online)	Environmental Studies and Disaster Management	UGC – HRDC, Mizoram University	30th November – 13th December, 2021.
2.		Online TWO - WEEK Refresher Course in “CHEMISTRY”	Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Education	29 November – 13 December, 2022
3.		two-week Interdisciplinary Refresher Course on "Managing Online Classes & Co- creating MOOCS 26.0"	Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Education	08 – 22 May, 2023

15. Administrative position held in the College:

Received a Diploma certificate securing first class in the Deeniyath Competitive Examinations, 2009-2011 conducted by Jamal Mohamed College.

Served as Sub- Warden in Khajamian Hostel (18-06-2013 to 31-05-2015)

Department Library in charge from 2013 to 2015.

Member of JMC Alumni Association.

Department Member- Board of Studies-Jamal Mohamed College.

Department ERP Incharge (2018 Till Date).

Member of Student Monitoring Committee.



(Dr. S. MOHAMED RABEEK)