

# JAMAL MOHAMED COLLEGE

(Autonomous)

(College with Potential for Excellence)

Accredited (3<sup>rd</sup> cycle) With 'A' Grade by NAAC

(Affiliated to Bharathidasan University)

Tiruchirappalli - 620 020.



## RESUME

### DEPARTMENT OF CHEMISTRY

1. Name : Dr. M. Yaseen Mowlana
2. Designation : Assistant Professor
3. Qualification : M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
4. Date of birth : 05.05.1981
5. Address:  
  
**Office** : P.G & Research Department of Chemistry,  
Jamal Mohamed College (Autonomous),  
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## 6. Educational Qualifications:

S.No.	Examination Passed	University / College	Year of Passing
1.	B.Sc. (Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy.	2001
2.	M.Sc. (Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy.	2004
3.	B.Ed. (Education)	Annamalai University, Annamalainagar, Chithamparam	2006
4.	M.Phil. (Chemistry)	Bharathidasan University, Trichy.	2008
5.	PGDCA	Bharathiar University, Coimbatore.	2012
6.	Ph.D	Bharathidasan University, Trichy	2016

**7. Experience :** Undergraduate: 14 Years 9 Months  
Postgraduate : 14Years 9 Months  
M.Phil: : 3 years

**8. Areas of Specialization** : Inorganic Chemistry, Organic Chemistry, Applied Chemistry

**9. Languages known** : Tamil & English

## 10. Subjects Taught:

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

## 11. Details of Publications :

1. Synthesis, Characterization and Biological Activities of Some Novel Heterocyclic Chalcone Derivatives. Am. J. PharmTech Res. 2014; 4(6), 589–594.
2. Synthesis, Characterisation and biological activity of some Heterocyclic Chalcone Derivatives”. International Journal of Biomedical Research, IJBR (2014) 05 (12). Journal DOI: 10.7439/ijbr. 704-706.
3. Synthesis, Characterization and Microbial Activities of Novel Acetylthiophene Chalcone Derivatives. International Journal of Science and Research (IJSR) 2014, 3(7), 54-56

4. Synthesis and Molecular Docking studies of Heterocyclic chalcone Derivatives. International Journal of Pharmaceutical Chemistry (IJPC) 2015, 5(6), 196-200.
5. O-(2-hydroxy benzoyl) chit osan / starch blend: preparation, characterisation and antimicrobial activities. International Journal of Chemical Studies IJCS 2015; 2(5): 46-50 2015.
6. Tridax - Procumbens Extraction Impregnated Chitosan Film: Preparation Characterisation and Application. JOAASR-ICCER-JANUARY-2017.,
7. Synthesis, Characterisation and biological activity of some Heterocyclic Derivatives. International Journal of Scientific and Research Publications, Volume 7, Issue 7, July 2017, 658-663.
8. Molecular docking, Spectroscopic, NLO, NBO and antimicrobial analysis of (Z)-3-(3-bromophenyl)-1- (1H-imidazol-1-yl) prop-2-en-1-one. International Journal of Advanced Research and Development, Volume 2, Issue 6, November 2017, 568 – 576.
9. Synthesis, spectroscopic, NLO, HOMO-LUMO, antimicrobial analysis of (Z)-3-(4-fluorophenyl)-1- (1H-imidazol-1-yl) prop-2-en-1-one. International Journal of Academic Research and Development, Volume 2, Issue 6, November 2017, 856 – 861.
10. Synthesis, Characterization and Corrosion Inhibiton Efficiency of 5-(2, 4-dicholoro-phenyl)-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.
11. Synthesis and Characterization of Some Novel Heterocyclic Chalcone Derivatives, Journal of Emerging Technologies and Innovative Research (JETIR), Volume 5, Issue 11, November 2018.

## 12. Details of Papers Presented:

1. Presented a Paper in State level Seminar on Evolutionary Research in Chemical Science (**ERICS-2011**), Organized by PG & Research Department of Chemistry, Islamiah College, Vaniyambadi, Tamilnadu, October 16<sup>th</sup> 2011.  
**Title:**Synthesis and Some Novel Mannich Base Derivatives And Their Anti Microbial Activity

2. Presented a Paper in State Level Seminar on New Vistas in Chemistry (**NVC-2012**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli-20, Tamilnadu, January 4<sup>th</sup> & 5<sup>th</sup> 2012.  
**Title:** Synthesis and Characterization of Morpholine Derivatives and Biological Important.
3. Presented a Paper in National Conference on Current Trend in Chemistry Research (**NCTCR-2013**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli-20, Tamilnadu, February 27<sup>th</sup> & 28<sup>th</sup> 2013.  
**Title:** Synthesis and Screening the Biological Activity of Some New Imidazolidin Derivatives.
4. Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER-2014**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 11<sup>th</sup> and 12<sup>th</sup> March 2014.  
**Title:** Synthesis of Some series of Imidazolidin Derivatives and Their Antibacterial Activities.
5. 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 17<sup>th</sup> December 2015.  
**Title:** Synthesis and Characterization and Biological Activity of Some Heterocyclic compounds.
6. Presented a Paper in National Seminar on Innovative Researches in Chemical Science (**IRCS-2016**), Organized by PG & Research Department of Chemistry, Khadir Mohideen College, Adirampattinam – 614701 on 25<sup>th</sup> September 2016.  
**Title:** Synthesis, Characterization and Biological Activity of Some Acetyl Imidazole Chalcones.
7. 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 7<sup>th</sup> January 2017. **Title:** Synthesis and Characterization and Biological Activity of Acetyl imidazole chalcone.
8. Presented a Paper in National Seminar on Modern Trends In Chemistry, Organized by the Department of Chemistry, Sengamala Thayaar Educational Trust Women's College, Mannargudi – 614014 on 20<sup>th</sup> December 2017. **Title:** Synthesis, Characterization and Antioxidant Activity of Indolyl Chalcone Derivatives.
9. 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 20<sup>th</sup> January 2018. **Title:** Synthesis and Characterization and Biological Activity of Some Acetyl imidazole chalcone Derivatives.
10. 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 8<sup>th</sup> January 2020. **Title:** Synthesis and Characterization and Biological Activity of Acetyl imidazole chalcone.

11. Presented a Paper in Nation Seminar on Advanced Material (NSAM-2020), organized by PG & Research Department of Physics, Jamal Mohamed College, Tiruchirappalli -20 on 23<sup>rd</sup> January 2020. Title: Synthesis, Characterisation and biological activity of some Acetyl Imidazole Chalcones.
12. Presented a Paper in International Conference on Challenges to Environmental and Health organized by PG & Research Department of Zoology, Jamal Mohamed College, Tiruchirappalli -20 on 30<sup>th</sup> January 2020. Title: Synthesis, Characterization and Microbial Activities of Novel Indolyl propenone Chalcone Derivative.
13. Presented a Paper in Two days International Conference on Materials and Biological Researches organized (ICMBR-2023) by PG & Research Department of Chemistry, Dr. R. K. Shanmugam College of Arts and Science, Kallakurichi on 2nd and 3rd March 2023. Title: Synthesis, Characterization and Biological Activity of some Acetyl thiophene Derivatives.

13. Orientation / Refresher Courses attended:

S. No.	Name of the Faculty Member	Orientation / Refresher Course	Institution where attended and Place	Date(s) DD-MM-YYYY
1.	Dr. M. Yaseen Mowlana	Orientation Programme	Bharathidasan University, Trichy	18.05.2018 to 14.06.2018
2.		Refresher Course in Chemistry	Bharathidasan University, Trichy	20-09-2019 to 03-10-2019
3.		Orientation Programme on MOOC's and e-Learning	Department of Library, Jamal Mohamed College,	29-01-2020
4.		Faculty Development Programme (Online mode)	NPTEL – AICTE (Funded by Ministry of HRDC, Govt. of India )	Sep-Dec 2020
5.		Refresher Course in Chemistry	HRDC – Gujarat University, Ahamadabad	16-08-2021 To 29-08-2021
6.		Faculty Development Programme (Online mode)	Tamilnadu Teachers Educational University & Lakshmi College of Education Dindigul	14-06-2021 To 20-06-2021
7.		Faculty Enrichment Programme	Internal Quality Assurance Cell, Jamal Mohamed College	21-06-2021 To 25-06-2021
8.		One week online FDP programme on “Facts of Teaching”	Central for National & International Academic Collaboration, Tamilnadu	14-06-2021 To 20-06-2021

			Teacher Education, Chennai in association with Lakshmi College of Education. Gandhigram, Dindigul	
9.		Online Faculty Enrichment Programme	PG and Research Department of Chemistry, Jamal Mohamed College(Autonomous) Tiruchirappalli	<b>21-06-2021 To 25-06-2021</b>
10.		Online Faculty Enrichment Programme	Department of Library in association with IQAC , Jamal Mohamed College(Autonomous) Tiruchirappalli	28-07-22021
11.		Refresher Courses in Chemistry	University Grand Commission HRDC Gujarat University Ahmadabad	16-08-2021 To 29-08-2021
12.		Online Faculty Enrichment Programme	PG and Research Department of Zoology Jamal Mohamed College(Autonomous) Tiruchirappalli	20-01-2022 to 22-01-2022
13.		Online Faculty Enrichment Programme	PG and Research Department of Chemistry, Vivekananda College, Tiruvedakam West, Madurai - 625 234	31-03-2022
14.		Online Two – Week Refresher Course in Chemistry	Teaching Learning Centre, Ramanujan University Delhi.	29-11-2022 to 13-12-2022
15		One day FDP on Prevalence of fluoride and its optical detection	PG and Research Department of chemistry, Jamal Mohamed College, Trichy	24-01-2023
16		One day FDP on Preparation of Winning Research Proposal	PG and Research Department of chemistry, Jamal Mohamed College, Trichy	08-02-2023

#### 14. Details of the Faculty Acted as Resource Persons / Chair Persons:

S.No.	Name of the Faculty Member	Name* of the Seminar / Conference/Workshop and Place	Role	Date(s) DD-MM-YYYY
1.	Dr. M. Yaseen Mowlana	25 <sup>th</sup> National Children's Science Congress – 2017 / Sathyabama Institute of Science and Technology, Chennai.	<b>Evaluator</b>	8, 9, 10 <sup>th</sup> December - 2017
2.		Naalaya illam Vingyani, Science Festival, National College, Trichy	<b>Evaluator</b>	13-10-2019
3.		27 <sup>th</sup> National Children's Science Congress-2019, SBIOA School, Trichy	<b>Evaluator</b>	03-11-2019

#### 15. Details of Seminars / Conferences / Workshops Participated:

1. Participated UGC sponsored State Level Seminar on **“Frontier Studies in Chemistry”** held on February 9<sup>th</sup> and 10<sup>th</sup>, 2010, organized by the PG & Research Department of Chemistry at Jamal Mohamed College, Tiruchirappalli, Tamilnadu.
2. Participated NAAC sponsored National Seminar on **“Quality Enhancement in Teaching, Research and Extension in Higher Education Institutions-Prospects and Problems”** organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli -20, during 15<sup>th</sup> & 16<sup>th</sup> April 2010.
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 5<sup>th</sup> and 6<sup>th</sup> October 2010.
4. 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 -20, on 8<sup>th</sup> December 2010.
5. 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 4<sup>th</sup> & 5<sup>th</sup> January 2012.
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 -20, during 7<sup>th</sup> March 2012.
7. Participated **“National Conference on Current Trend in Chemistry Research” (NCTCR-2013)** in Jamal Mohamed College, on 27<sup>th</sup> & 28<sup>th</sup> February 2013, Tiruchirappalli – 20
8. Participated two days Lecture workshop on **“Advanced in chemistry”** Organized by School of Chemistry, Madurai Kamaraj University, Madurai – 21, during 26-27<sup>th</sup> July 2013.
9. Participated **International Conference on Chemical and Environmental Research (ICCER-2014)**, conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 11<sup>th</sup> and 12<sup>th</sup> March 2014.
10. Participated **“Current Scenario in material Chemistry (CSIMC-2015)”** conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 9<sup>th</sup> and 10<sup>th</sup> February 2015.
11. Participated **“International Conference on Chemical and Environmental Research (ICCER-2015)**, conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 17<sup>th</sup> December 2015.
12. 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 22<sup>nd</sup> December 2015.

13. Participated **“National Seminar on Innovative Researches in Chemical Science (IRCS-2016)**, conducted by the PG & Research Department of Chemistry, Khadir Mohideen College, Adirampattinam – 614701 on 25<sup>th</sup> September 2016.
14. Participated **“RSC-NIT Symposium on Heterogeneous Catalysis and Sustainable Chemistry”** conducted by Department Of Chemistry, National Institute of Technology, Tiruchirappalli-15 on 5<sup>th</sup> November 2016.
15. 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 10<sup>th</sup> December 2016.
16. Participated **“International Conference on Chemical and Environmental Research (ICCER-2017)**, conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 7<sup>th</sup> January 2017.
17. Participated in the three day **“NLP – Based Faculty Empowerment Programme”** organized by the Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 17<sup>th</sup>, 19<sup>th</sup> & 20<sup>th</sup> June 2017.
18. Participated **“National Conference on Recent Developments in Chemistry (ICRDC-2018)**, conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 20<sup>th</sup> January 2018.
19. Participated **“International Seminar on Emerging Trends in Biological Research (ETBR-2018)”** conducted by the PG & Research Department of Biotechnology and Microbiology, Jamal Mohamed College, Tiruchirappalli -20 during 3<sup>rd</sup> March 2018.
20. Participated **“Staff Enrichment Programme on Ownership Culture”** organized by the Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli -20 during 6<sup>th</sup> June 2019.
21. Participated **“NATURE & COVID CRISIS : A 21<sup>st</sup> Century Calamity”** organized by GURU Kaski University Bathinda India and Georgia State University, Atlanta(United States) during 5<sup>th</sup> May 2020.
22. Participated **“Application and Utilization of Electrochemistry”** organized by PG & Research Department of Chemistry, Arignar Anna Govt. Arts College, Attur, Salem Dt during 6<sup>th</sup> June 2020.
23. Participated **“E-Content Development”** organized by the Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli -20 during 30-06-2020 to 04-07-2020.



24. Participated "**Treatment of Covid-19 – An Ethnobotanical Perspective**" organized by PG & Research Department of Zoology, Vivekananda College, Tiruvedakam West Tamilnadu, Madurai, during 14<sup>th</sup> October 2020.
25. Participated "**International Conference on Chemical and Environmental Research (ICCER-2020)**", conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 12<sup>th</sup> November 2020.
26. Participated "**2<sup>nd</sup> International Webinar on Microbes and Neoteric Research IWMNR-2020**)" conducted by PG & Research Department of Microbiology, Jamal Mohamed College, Tiruchirappalli -20 during 22<sup>nd</sup> December 2020.
27. Participated "**Installation Function and National Youth Day celebration conducted**" organized by **STUDENTS' ExNoRA**, Jamal Mohamed College, (Autonomous) Tiruchirappalli-20, held on **12 January 2021**.
28. Participated Webinar on "Electrochemical Biosensors - Recent Trends, Challenges and Opportunities for Multidisciplinary Research Approach" PG & Research Department of Chemistry, Sadakathullah Appa College (Autonomous), Tirunelveli, held on **10-06-2021**.
29. Participated National Webinar on Different Types of Cyber Attacks and Countermeasures, by Shri V. Gopi Swaminathan, Scientist F, Senior Technical Director, NIC, Govt. of India held on **18-07-2021**.
30. Participated One Day International Webinar on "Advances in Cancer Treatment : Focus on Immunotherapy" organized by the Department of Biochemistry, Krishna University Dr.MRAR College of PG Studies, Nuzvid, Krishna District, Andhra Pradesh, held on **08-09-2021**.
31. Participated International online seminar on " Emerging Methodologies in Biopolymer science organized by Department of Chemistry Smt.CHM college Ulhasnagar, held on **12-02-2022**.
32. Participated National Virtual Conference on "Sustainable Chemistry and Renewable Energy (SCRE-2022)" Organized by UIT, Villupuram, held on 26/02/2022 to 27/02/2022
33. Webinar on NEP - 2020: Changing Role of Teachers" organized by UGC – Human Resource Development Centre, GUJARAT UNIVERSITY, Ahmedabad, held on 08-09-2022

**Academic Responsibilities**

- Department CIA-Examination Incharge (2016-2021)
- IR Spectrometer Instrumentation Incharge (2012-2015)
- M.Phil., Chemistry Admission Committee Member (2016 -2021)
- Class Tutor (2018 to 2021) (2023 onwards)
- Faculty Member in Deeniyath Education (2009 onwards)
- BOS Member in UG, PG and M.Phil. Chemistry (2016 onwards)
- Citizen Consumer Club Advisor (2022 onwards)

**Awards/ Appreciation/ Recognition:**

- Received Best Teachers Award (GRATITUDE - 2020) from Department of Chemistry, SRM Institute of Science and Technology, Chennai – 89 on 05.10.2020.