

JAMAL MOHAMED COLLEGE

(Autonomous)

College with Potential for Excellence

Re-Accredited (3rd Cycle) with 'A' Grade by NAAC

(Affiliated to Bharathidasan University)

Tiruchirappalli - 620 020



RESUME

PG AND RESEARCH DEPARTMENT OF CHEMISTRY (SF)

1. Name : Dr. N. MUJAFAR KANI
2. Designation : Assistant Professor
3. Qualification : M.Sc., M.Phil., PGDCA., Ph.D.
4. Date of Birth : 23.04.1985
5. Address:
 - Office : PG & Research Department of Chemistry,
Jamal Mohamed College (Autonomous),
Tiruchirappalli – 620 020,
Tamil Nadu,
India.
Phone: 0431 – 2332235*304.
Email: mujafargani85@gmail.com
Mobile: +91-97897 05337
 - Residential : 2/418, East Street,
Kalukarkadai (Post),
Sivagangai(Dist)-630611,
Tamil Nadu,
India.
Email: mujafargani85@gmail.com
Mobile: +91-97897 05337

6. Educational Qualifications:

S. No.	Examination Passed	University / College	Year of Passing
1.	B.Sc. (Chemistry)	M.S.S. Wakf Board College, (Madurai Kamaraj University), Madurai	2005
2.	M.Sc. (Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy	2007
3.	M.Phil. (Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy	2008
4.	PGDCA	Bharathiar University, Coimbatore	2011
5.	Ph.D. (Polymer Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy	2017

7. Experience : **Undergraduate** : 9 Years
Postgraduate : 9 Years

8. Areas of Specialization : Polymer Chemistry, Material Science and Electro Chemistry

9. Languages known : Tamil & English

10. Subjects being handled:

Under Graduate / Postgraduate : General Chemistry
Inorganic Chemistry
Organic Chemistry
Organic and Physical Spectroscopy
Organometallic Chemistry
Polymer Chemistry
Special Topics in Chemistry (Nano)
Instrumentation Techniques
Computer Applications in Chemistry

11. Details of Publications :

1. Journal of the American Ceramic Society, 94 (5), 1627–1633, 2011. [IF-2.787]
Title: Photoluminescence Efficiencies of Nanocrystalline versus Bulk $Y_2O_3:Eu$ Phosphor – Revisited.
2. Journal of the American Ceramic Society, 94 (8), 2696–2697, 2011. [IF-2.787]
Title: Reply to the Comment on “Photoluminescence efficiencies of nanocrystalline vs bulk $Y_2O_3:Eu$ phosphor – Revisited”.
3. Applied Organometallic Chemistry, 28(10), 773-784, 2014. [IF-2.47]
Title: Polymer-supported metal complexes as antibacterial agents: synthesis, characterization and thermal degradation kinetics.
4. Bioinorganic Chemistry and Applications, 2014, Article ID 764085, DOI./10.1155/2014/764085.[IF-1.488]
Title: Antimicrobial Applications of Transition Metal Complexes of Benzothiazole Based Terpolymer: Synthesis, Characterization, and Effect on Bacterial and Fungal Strains.
5. International Journal of Pharmaceutical Chemistry, 5(10), 359-366, 2015. [IF-0.498]
Title: Biological Investigations of Novel Terpolymer Ligand and Its Polychelates

12. (a) Details of Papers Presentation on Conferences / Seminars / Workshops :

1. Presented a Paper in the “**National symposium on Frontier areas in Chemistry**” Sponsored by UGC, DST, DRDO & CSIR, organized by The American College, Madurai on 10th and 11th January 2008.
Title: A Study of inhibitive influence of N-Nitroso-3-methyl-2,6-diphenylpiperidin-4-one on the corrosion of mild steel in 1M HCl medium.
2. Presented a paper in the “**International Conference on Recent Trends in Materials and Characterization**”, organized by National Institute of Technology Karnataka, Surathkal, Mangalore on 14th and 15th February 2010.
Title: Hydrothermal Synthesis of Phosphor Materials.
3. Presented a Paper in the National Conference on “Recent Trends in Green Synthesis” (**RTGS-2011**) organized by the Department of Industrial Chemistry, School of Chemistry, Alagappa University, Karaikudi on 5th and 6th August 2011.
[Awarded as a best oral presentation]
Title: An Eco-Friendly Synthesis, Characterization and Chelation Ion-Exchange Properties of a Terpolymer Resin.

4. Presented a Paper in the UGC Sponsored National Seminar on **(POLYCAP'11)** "POLYMERS: Synthesis, Characterization and Applications" organized by the Department of Physics, Mannar Thirumalai Naicker College, Madurai on 21st and 22nd October 2011. **[Awarded as a best oral presentation]**
Title: Synthesis, Characterization and Chelation Ion-Exchange Properties of a Terpolymer Resin.
5. Presented a Paper in the State Level Seminar on **"Emerging Advancements in Biosciences"** jointly organized by the Department of Microbiology & Biotechnology, Jamal Mohamed College (Autonomous), Tiruchirappalli on 17th March, 2012.
Title: Antimicrobial Studies of a Novel Terpolymer Resin
6. Presented a Paper in the State Level Seminar on **"Current Research in Chemistry and Bio-Chemistry"** conducted by Department of Chemistry, AVVM Sri Pushpam College (Autonomous), Thanjavur on 28th August, 2012.
Title: Cation Exchange Properties of a Terpolymer Resin
7. Presented a Paper in National Conference on **New Vistas and Challenges in Chemistry** organized by Sathyabama University, Chennai, sponsored with Department of Science and Technology (SERB), New Delhi on 23rd-25th January 2013.
Title: Cation Exchange Properties of a Novel Terpolymer Resin
8. Presented a Paper in National Conference on Current Trend in Chemistry Research **(NCTCR-2013)**, Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 27th & 28th February 2013.
Title: Studies on Chelation Ion-Exchange Properties of a Novel Terpolymer Resin
9. Presented a Paper in National Conference on Current Trend in Chemistry Research **(NCTCR-2013)**, Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 27th & 28th February 2013.
Title: Synthesis, Characterization and Application of Terpolymer Resin
10. Presented a Paper in an International Conference on Recent Advances in Textiles and Electrochemical sciences **(RATES-2013)** organized by Dept. of Industrial Chemistry, School of Chemical sciences, Alagappa University, Karaikudi on 21st - 23rd March 2013.
Title: Metal Ion Binding Properties of A Novel Terpolymer

11. Presented a Paper in an International Conference on Emerging Trends in Chemical Sciences (**IETC-2013**), Organized by Advances Chemical Sciences, VIT University, Vellore during 5th - 7th December 2013.
Title: Synthesis, Characterization and Microbial Activity of a Novel Terpolymer and Its Metal Complexes

12. Presented a Paper in an International Conference on Chemical and Environmental Research (**ICCER-2014**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu on 11th and 12th March 2014.
Title: Ion Exchange Studies of Novel Terpolymer Resin

13. Presented a Paper in the “Advancement in Materials Science” (**AMS-2014**) Sponsored by TEQIP II, organized by Department of Chemistry, Coimbatore Institute of Technology, Coimbatore on 26th and 27th September 2014.
Title: Studies on the removal of metal ions by the influence of chelating terpolymer resin

14. Presented a Paper in an International Conference on Chemical and Environmental Research (**ICCER-2015**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu on 17th December 2015.
Title: Synthesis, Structural and Metal Ion Uptake Studies of Chelating Novel Terpolymer Resin.

15. Presented a Paper in First Symposium on “**Advanced Functional Materials (FUNMAT-2016)**” organized by Functional Materials Division, CSIR-Central Electrochemical Research Institute, Karaikudi, during 26th-28th May 2016.
Title: Synthesis, Spectral and Thermal degradation studies of Novel Terpolymer and its Transition Metal Complexes

16. Presented a Paper in an International Conference on Chemical and Environmental Research (**ICCER-2017**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu on 7th January 2017.
Title: Synthesis, Characterization and Antimicrobial Screening of Newly Synthesized Terpolymer and Its Metal Complexes

12. (b) Details of Participation on Seminars / Conferences / Workshops:

1. Participated in UGC sponsored State Level Seminar on **“Emerging Trends in Chemistry”** held on 9th March 2006, organized by PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli.
2. Participated in UGC Sponsored National Seminar on **“Frontier Areas in Chemistry”** held on 1st and 2nd March 2007, at organized by PG and Research Department of Chemistry, Thiagarajar College (Autonomous), Madurai, Tamilnadu.
3. Participated in a seminar on **“Advanced Topics in Chemistry”** held on 13th and 14th March 2007, organized by PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli.
4. Participated in a seminar on **“Modern Techniques in Chemistry”** held on 5th and 6th March 2008, organized by PG and Research Department of Chemistry at Jamal Mohamed College (Autonomous), Tiruchirappalli.
5. Participated in UGC sponsored State Level Seminar on **“Frontier Studies in Chemistry”** held on 9th and 10th February 2010, organized by the PG & Research Department of Chemistry at Jamal Mohamed College (Autonomous), Tiruchirappalli.
6. Participated in 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, during 15th & 16th April 2010.
7. Participated in UGC sponsored State Level Seminar on **“Recent Trends in Chemical Research (RTCR-2010)”** conducted by the PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli during 5th and 6th October 2010.
8. Attended in 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.
9. 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 4th & 5th January 2012.

10. 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.
11. Participated in the UGC Sponsored National Seminar on **“Current Scenario in Material Chemistry” (CSIMC-2015)** organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 9th & 10th February 2015.
12. 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 (Autonomous), Tiruchirappalli on 22nd December 2015.
13. Participated in the National Symposium on **“Recent Developments in Chemistry (RDC-2016)”** organized by the Department of Physical Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai, on 4th June 2016.
14. Participated in the ‘RSC-NIT Trichy’ International Symposium on **“Heterogeneous Catalysis and Sustainable Chemistry”** organized by the Department of Chemistry, National Institute of Technology, Tiruchirappalli, during 5th 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 10th December 2016.

13. Academic Responsibilities (Both College & Department)

- ❖ Member in the preparation of NAAC report (both College& Department)
- ❖ Acted as Sub-warden in Khajamian Hostel (2009-2010)
- ❖ Acting as Placement officer in the Dept. of Chemistry since June 2015
- ❖ Member in the Convocation Law and Order Committee since 2011
- ❖ In-charge in the preparation of Department Academic Audit Report (Internal & External) since 2009
- ❖ In-charge, Preparation of Department time table since 2008
- ❖ Acting as Department Library in-charge since 2011
- ❖ Acted as in-charge in the Department Store-Keeping (2013-2015)
- ❖ Tutor-in-charge for Post-Graduate Students since 2009
- ❖ Handling classes in Deeniyath Education since 2008

- ❖ Handled Career Oriented Programme Classes
- ❖ Member of question setting and valuation board in Jamal Mohamed College, Trichy and Bharathidasan University, Trichy.
- ❖ Acted as a Member of Organizing committee in the State Level Intercollegiate Extravaganza “Symphoria ’17” organized by the Department of Chemistry on 31st January 2017.

01.06.2017

Tiruchirappalli-20

(N. MUJAFAR KANI)