



**JAMAL MOHAMED COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI.**  
**DEPARTMENT OF PHYSICS**

1. Name : J.Umar Malik

2. Date of Birth : 15.02.1978.

3. Address :

Residential :  
183, Thalampoo street  
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4. Designation : Assistant Professor

5. Educational Qualifications :

	Examination Passed	Year
i) Bachelor's Degree	B.Sc	1998
ii) Master's Degree	M.Sc	2000
iii) Research Degree	M.Phil	2004

6. Experience:

i) UG : 22 years

ii) PG : 21 years

7. Area of Specialization : Nonlinear dynamics, Liquid state physics.

8. Languages Known : Tamil, English.

9. Subject Taught :

Undergraduate: Properties of Matter, Mechanics, Electricity & magnetism,  
Digital electronics, Optics, Wave Mechanics, Energy Physics  
Allied/Applied Physics

Postgraduate : Mathematical Physics, Quantum Mechanics, Statistical Mechanics,  
Electromagnetic theory.

M.Phil : Research Methodology, Advanced Physics .

10. Research Supervision: Nil

11. Details of Publications: Nil

12. Details of Paper Presented: Nil

13. Details of Seminars / Conferences / Workshops attended : 09

- Participated in National Seminar on “*Advanced topics in Physics*” (NSATP-19) held at Jamal Mohamed College (Autonomous) on 06th March 2019.
- Participated in “ *Three Day Workshop on Fundamentals of Probability Theory and Detection Estimation Theory* “ jointly organized by PG and Research Department of Mathematics, Jamal Mohamed and Pentagram Technologies, India & Pentagram Research UK Ltd, Birmingham, United Kingdom, held at Jamal Mohamed College from 06 October to 08 October 2022.
- Participated in International Conference on “*Recent Innovations in Materials Sciences and Spectroscopy*” (CRIMS-2023) organized by Indian Spectro physics Association (ISPA) and Department of Physics, Jamal Mohamed College, Tiruchirappalli held on 10th January 2023.
- UGC sponsored State Level Seminar on “*Applications of Ultrasonics to Organic and Biomolecular Compounds*” held at Jamal Mohamed College, Tiruchirappalli-20 on 26-27 September 2005.
- UGC sponsored One day State level seminar on “Recent Trends in Power Science” on 23<sup>rd</sup> July 2008, held at Department of Physics, Jamal Mohamed college, Trichy-20.
- UGC sponsored One day State level seminar on “Recent Advances in Laser Applications (SLS – RALA – 2010)” on 1<sup>st</sup> March 2010 in commemoration of National Science Day held at Department of Physics, Jamal Mohamed college, Trichy-20.
- A Seminar on “Creating Competitiveness to Excel in Higher Education-a TQM approach” organized by Internal Quality Assurance Cell, Jamal Mohamed

College(Autonomous), Tiruchirappalli on 8<sup>th</sup> December 2010.

- A one day UGC sponsored intercollegiate seminar on “Nano Science and Technology” on 7<sup>th</sup> October 2010, held at Department of Physics, Jamal Mohamed college, Trichy-20.
- UGC sponsored State level seminar on “Advanced Research in Physics – a few Perspectives” (ARPP) held at P.G. and Research Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 28<sup>th</sup> February 2012.

14. Details of Seminars / Conferences / Workshops organized:

- One National level seminar on “Laser and its application” is Organized on 16<sup>th</sup> March 2015

15. Details of Orientation / Refresher Course attended: 02

- Orientation Course attended 01.11.2008 to 28.11.2008 held at UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli-24.
- Attended Refresher course held at Academic Staff College, Academic Staff College, University of Kerala, Kariavattom From 01.11.2011 to 22.11.2011.
- Attended Refresher course held at Academic Staff College, Academic Staff College, Bharathidasan University, Tiruchirappalli-24 from 06.11.2014 to 26.11.2014.
- Attended Refresher course held at Academic Staff College, Academic Staff College, Bharathidasan University, Tiruchirappalli-24 from 20.12.2017 to 09.01.2018.

16. Details of Study Material / Books written and published: Nil

17. Details of chairing as Resource Person:

- Served as Resource Person in One Week Certificate Programme on Spectroscopic and Chromatographic Techniques organized by Jamal Instrumentation Centre (JAMIC) (DST-FIST Sponsored) Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020, during March 09th to 13th , 2023.

18. Administrative Positions held in the college: Nil

19. Details of In-charge / Membership in committees for Autonomous programme  
Implementation: Nil

20. Details of In-charge / Participation in Extracurricular Activities: Nil  
(NSS, NCC, Sport, Games, Voluntary Association and Cultural Activities)

21. Details of participation in consultancy, training, Development etc.,: Nil

22. Details of membership in Academic Bodies:

Member of Board of Studies, Department of Physics, Jamal Mohamed College.

23. Details of membership of Professional Bodies:

Life Member, Indian Society of Systems for Science & Engineering (ISSE).

24. Countries Visited: Nil

25. Any other information if any: Nil

Signature of HOD

Signature of the Staff

Date: