

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



1. Name : S. Abbas Manthiri
2. Date of Birth : 16th November 1981
3. Address :
Residential : 217 - A, J.K Nagar,
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Trichy – 620 020.
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4. Designation : Assistant Professor
5. Educational Qualifications :

	Examination Passed	Year
i) Master's Degree	M.Sc	2003
ii) Research Degree	M.Phil	2005
	Ph.D	2018
6. Experience:
 - i) UG : 20 years
 - ii) PG : 19 years
 - iii) M.Phil : 8 years
7. Area of Specializations : Molecular spectroscopy, Ultrasonics, Nuclear Physics,
Electro Magnetic Theory
8. Languages Known : Tamil, English.

9. Subject Taught :

Undergraduate: Nuclear Physics, Mechanics, Properties of matter ,Wave mechanics, Allied & Applied Physics

Postgraduate : Mathematical Physics, Electromagnetic theory, Quantum Mechanics, Nuclear Physics

M.Phil : Research Methodology, Advanced quantum mechanics.

10. Research Supervision:

Name of the Degree	No of Candidates		
	Awarded	Submitted	Pursuing
M.Phil	13	---
Ph.D.,	---	---	---

11. Details of Publications:

- Molecular interaction in Aqueous Sodium Chloride Through Ultrasonic Speed Measurement, Jamal Academic Research Journal, Volume II, 2, 2005 (National)
 - Quality assurance and Material Characterization by Ultrasonics – JARJ: Int 2004, Vol: 1 No: 1.
 - Holographic Non – Destructive Testing – JARJ : Int 2004, Vol: 1, No: 1.
 - Synthesis, Spectroscopic, NLO And Molecular Docking Analysis Of (2E)-3-(1H-Indol-2-yl)-N-Phenylprop-2-Enamide IJSART - Volume 3 Issue 11 – NOVEMBER 2017 ISSN [ONLINE]: 2395-1052 Page.1156-1162
- ANTIMICROBIAL, SPECTROSCOPIC, NBO AND NLO ANALYSIS OF (2E) 3-(2H-1,3-BENZODIOXOL-5YL)-N-(4-CHLOROPHENYL) PROP-2-ENAMIDE

International Journal of Current Advanced Research
ISSN: O: 2319-6475, ISSN: P: 2319-6505,
Available Online at www.journalijcar.org
Volume 6; Issue 11; November 2017; Page No.7649-7656
DOI: <http://dx.doi.org/10.24327/ijcar.2017>.

ANTIMICROBIAL, SPECTROSCOPIC, NBO AND NLO ANALYSIS OF
(2E) 3-(2H-1,3-BENZODIOXOL-5YL)-N-(4-CHLOROPHENYL) PROP-
2-ENAMIDE

- Synthesis, Spectroscopic (FT-IR, FT-Raman), first order hyperpolarizability and HOMO-LUMO analysis of (2E)-N-phenyl-3-(4H-pyran-4-yl) prop-2-enamide
International Research Journal of Engineering and Technology
(IRJET) e-ISSN: 2395-0056 , Volume: 04 Issue: 07 | July -2017
www.irjet.net p-ISSN: 2395-0072

❖ Spectroscopic and quantum mechanical investigations of (2E)-3-(2H-1,3-benzodioxol-5-yl)-N-phenylprop-2-enamide using density functional theory method, Indian Journal of Pure & Applied Physics Vol. 56, January 2018

12. Details of Paper Presented:

- “Study of Insulin in human blood samples through ultrasonic velocity” – UGC & CSIR sponsored National level conference on Spectro physics NCONS(2012) organized by Indian Spectro Physics Association (ISPA), held at Pachiyappa’s College, Chennai on 07th & 08th March 2012.
- “Thermodynamic properties of binary mixture at different temperatures” – UGC & CSIR sponsored National level conference on Spectro physics NCONS(2012) organized by Indian Spectro Physics Association (ISPA), held at Pachiyappa’s College, Chennai on 07th & 08th March 2012.
- “Ultrasonic Investigation of Amino acid in aqueous medium” – UGC & CSIR sponsored National level conference on Spectro physics NCONS(2012) organized by Indian Spectro Physics Association (ISPA), held at Pachiyappa’s College, Chennai on 07th & 08th March 2012.

- “Ultrasonic studies of molecular interaction in water with Succinic acid solutions at different temperatures” – UGC sponsored National level seminar on Recent Trends in Crystal Growth and Nano Materials (NSCGNM-2012) held at National College, Trichy on 15th – 17th March 2012.
- “Acoustical behavior of oxalic acid in aqueous medium” – UGC sponsored National level seminar on Recent Trends in Crystal Growth and Nano Materials (NSCGNM-2012) held at National College, Trichy on 15th – 17th March 2012.
- “Molecular interactions in binary mixtures through ultrasonic velocity measurements” – UGC sponsored National level seminar on Recent Trends in Crystal Growth and Nano Materials (NSCGNM-2012) held at National College, Trichy on 15th – 17th March 2012.

DETAILS OF PAPER PRESENTATION:

S.No	Name of the Event	Name of the sponsoring agency	Place and Date
1	Participated and Paper presented on “ National Conference on Spectrophysics ”	UGC and CSIR Indian SpectroPhysics Association	7th and 8th March 2012 Women’s Christian College, Chennai
2	Participated and Paper presented on “ National seminar on Recent Trends in Crystal growth & Nano materials ”.	Indian Association for crystal growth and Center for nanoscience and technology	13th – 15^h March 2013 National College , Trichy
3	Participated and Paper presented on “ Internaional Conference on Emerging Trends in Physics ”	Department of Physics	21-22 February 2013 St.Joseph’s College of arts and science,cuddalore
4	Participated and Paper presented on “ Internaional Conference on Recent Advances in Physics ”	Indian SpectroPhysics Association	12-13 August 2013 Sri Vidhya Mandir Arts and Science College,Krishnagiri.
5	Participated and Paper presented on National Conference on Advanced Materials and its Applications	Annamalai University,	April 4 & 5, 2014, Faculty of Engineering and and Technology, Annamalai University , Annamalai Nagar.

13. Details of Seminars / Conferences / Workshops attended :

- Participation in the state level seminar on “*Group theory and its applications to molecular vibrations*” organized by Indian Spectro Physics Association (ISPA) , at Pachayappa’s College, Chennai, 8th Oct, 2005.
- Participation in the state level seminar on “*Recent trends in Physics*” at Bharathidasan University & School of Physics on 21st & 22nd Dec,2005
- UGC sponsored state level seminar on “Advances In Ultrasonics And Biomolecular Compounds” at Jamal Mohamed College, Trichy – 26th & 27th Sep 2005
- UGC sponsored state level seminar on “Recent Trends In Thin Film Technology” at Jamal Mohamed College, Trichy – 28th Sep 2005
- UGC sponsored state level seminar on “Advances in Electronics” at Jamal Mohamed College, Trichy – 29th March 2006.
- Participated in TANSCHÉ and UGC sponsored three day workshop on “*Curriculum development and evaluation*” organized by Bharathidasan University, Trichy.
- Indian Society of Non Destructive Testing (ISNT) sponsored National Seminar and Exhibition on Non Destructive Evaluation on December 10 to 12, 2009, BHEL & NIT Trichy
- UGC sponsored State Level Seminar on Recent Advances in Laser Applications on 1st March 2010, Department of Physics, Jamal Mohamed college, Trichy
- NAAC sponsored National Level Seminar on Quality Enhancement in teaching, reaserch and extension in higher education institutions – Prospects and Problems on 15th & 16th April 2010, Internal Quality Assurance Cell, Jamal Mohamed College, Trichy
- Participated in International Level Conference on “Nuclear Theoretical Physics” organized by Department of Atomic Energy & BARC, at University of Rajasthan,Jaipur on 6th – 14th November, 2010.
- Jamal Mohamed College sponsored State level Seminar on Creating competitiveness to excel in higher education – a TQM approach on 8th December 2010, Internal Quality Assurance Cell, Jamal Mohamed College, Trichy

- Participated in National level Three Days Workshop in “Non-Destructive and Evaluation” organized by BHEL & NIT Tiruchirappalli on 9th – 11th October, 2011.
- UGC sponsored One day State level seminar on “Recent Trends in Power Science” on 23rd 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 1st March 2010 in commemoration of National Science Day held at Department of Physics, Jamal Mohamed college, Trichy-20.
- A one day UGC sponsored intercollegiate seminar on “Nano Science and Technology” on 7th 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 28th February 2012.
- UGC sponsored National Seminar on Recent Trends in Crystal Growth and Nano materials on March 15 -17, 2012, Department of Physics, National college, Trichy
- International Conference on Emerging Trends in Physics St.Joseph’s College of Arts and Science,cuddalore on February 21 & 22, 2013, Department of Physics, St.Joseph’s College of Arts and Science,cuddalore
- UGC sponsored National Level Seminar on Nano Science and Laser Materials Processing on 9th March 2013, Department of Physics, Jamal Mohamed college, Trichy.
- UGC sponsored National Seminar on Recent Trends in Crystal Growth and Nano materials on March 13 -15, 2013, Department of Physics, National college, Trichy
- Indian Spectro Physics Association sponsored International Conference on Recent Advances in Physics August 12-13 2013 Sri Vidhya Mandir Arts and Science College,Krishnagiri.
- Tamil Nadu Science Forum sponsored National Children’s Science Congress – Energy Conservation Competition on December 7, 8 and 9 , 2013, Sasurie College of Engineering, Tiruppur
- National Conference on Advanced Materials and its Applications April 4 & 5, 2014, Faculty of Engineering and Technology, Annamalai University , Annamalai Nagar.
- Jamal Mohamed College sponsored State Level Seminar on Avenues for higher Scientific Pursuits on 8th September 2014, Department of Physics, Jamal Mohamed college, Trichy.
- Jamal Mohamed College sponsored A three day workshop on Amateur Radio on 13th – 15th March 2015, Department of Physics, Jamal Mohamed college, Trichy.

- UGC sponsored International Conference on Chemical and Environment Research on 17th December 2015 held at Jamal Mohamed college, Trichy.

14. Details of Seminars / Conferences / Workshops organized: Nil

15. Details of Orientation / Refresher Course attended: 04

- Attended UGC Sponsored Orientation course held at Academic Staff College, Bharathidasan University, Tiruchirappalli From 03-03-2010 to 29-03-2010
- Attended UGC Sponsored Refresher course held at Academic Staff College, Bharathidasan University, Tiruchirappalli From 27-01-2012 to 10-02-2012
- Orientation program on “Research activities in Science for College Teachers” held by Bharathidasan University on 24th and 25th March, 2012.
- Attended UGC Sponsored Refresher course held at Academic Staff College, Madurai Kamaraj University, Madurai. From 03-02-2015 to 23-02-2015

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

17. Details of chairing as Resource Person: Nil

18. Administrative Positions held in the college:

- Working as an additional chief Superintendent for Jamal Mohamed college Autonomous examinations from 2009 November – Till date.
- Working as an additional camp officer for Bharathidasan University examination from 2005 – 07.
- Working as an additional chief for Annamalai University examination from 2004 – 2006.

- Worked as an additional Camp Officer, Bharathidasan University, Central Valuation JMC Unit –II during 2008-2009.
- Worked as Chief Superintendent of TNPSC Examinations such as
Group –I, II, IV.VII and VIII-B...etc..
- Conducting RRC,Postal, SSC ,Tamil Nadu Teachers Education University, Madras University examinations as an examination in charge
- Worked as Sub-Warden in the college hostel during 2010 to 2011.
- Tutor incharge for UG class
- Member of Indian Association of Physics Teachers

19. Details of Incharge / Membership in committees for Autonomous programme
Implementation: Nil

20. Details of Incharge / 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: Nil

23. Details of membership of Professional Bodies: Nil

24. Countries Visited: Nil

25. Any other information if any: Nil

Signature of HOD

Signature of the Staff

Date: