

CV

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Career Objective

To establish myself in the field of education to utilize my skills and experience to help students to achieve high improvements in academics.

Academics and Achievements

- 2019 July : **Ph.D.** in Physics from Kerala University.
- 2012 June : **National Eligibility Test –NET** (49th/449 Rank) conducted by **CSIR/UGC**.
- 2006 May : **State Eligibility Test (SET)** conducted by Directorate of Higher Secondary Education
- 2006 April : **B.Ed. Physical Science** with 72% from Kerala University Teacher Education Centre, Kollam.
- 2004 June : **M.Sc. Physics** with 66.86% from Fatima Mata National College, Kollam (Kerala University).
- 2001 April : **B.Sc. Physics** with 84.1% from Fatima Mata National College, Kollam (Kerala University).

Publications and Presentations.

Five papers published in international journals (Journal of Molecular Structure, Spectrochimica Acta) (Details attached)

Participated and presented papers in many international and national conferences.

Relevant Experience

Present working as Assistant Professor in the Department of Physics in T. K. M. College of Arts and Science, Kollam, Kerala

Former Guest Lecturer in the Department of Physics in TKM College of Arts and Science, Kollam, w.e.f. 21.08.2019 (1 year)

Former Asst. Professor (Ad hoc) in the Department of Physics in TKM College of Engineering and Technology, Kollam, w.e.f. 31.07.2017 (2 years).

Former Asst. Professor in Physics in the Applied Science Department in Younus College of Engineering and Technology, Kollam, w.e.f. 04.08.2008 (9 years).

Languages known

Malayalam, English, Hindi (Speak, read & write).
Tamil (Speak & Read)

DECLARATION

I hereby declare that all particulars furnished above are true and correct to the best of my knowledge and belief.

Kollam
04.06.2019

Dr. Shargina Beegum

LIST OF PUBLICATIONS

1. “Spectroscopic, antimicrobial and computational study of novel benzoxazole derivative” *Journal of Molecular Structure* 1176 (2019) 881-894.
2. “Exploring the detailed spectroscopic characteristics, chemical and biological activity of two cyanopyrazine-2-carboxamide derivatives using experimental and theoretical tools”, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 224 (2020) 117414.
3. “Vibrational spectroscopic analysis of cyanopyrazine-2-carboxamide derivatives and investigation of their reactive properties by DFT calculations and molecular dynamics simulations”, *Journal of Molecular Structure* 1132 (2017) 1-15.
4. “Experimental and Computational analysis of 1-(4-chloro-3-nitrophenyl)-3-(3,4-dichlorophenyl)thiourea”, *Journal of Molecular Structure* 1205 (2020) 127587.
5. “Molecular Conformational analysis, reactivity, vibrational spectral analysis and molecular dynamics and docking studies of 6-chloro-5-isopropylpyrimidine-2,4(1H,3H)-dione, apotential precursor to bioactive agent” *Journal of Molecular Structure* 1127 (2017) 427-436.

LIST OF SEMINARS/CONFERENCES ATTENDED AND PAPER PRESENTATIONS

1. Presented a Paper at the *Fourth International conference on Polymer Processing and Characterization (ICPPC-2016)* held at M. G. University, Kottayam from 9-11 December 2016.
2. Poster Presentation is made at the *International conference on Tropical Plants and Molecular Design* held at T. K. M. College of Arts and Science, Kollam on 14th and 15th February 2017.
3. Paper presented at the *International Conference on Science, Engineering, Technology and Management (ICSETM-2017)* at Kuriakose Elias College, Kottayam on 8-9 March 2017.
4. Presented a paper at the *Multidisciplinary National Conference on Research in Present Scenario* held on 27th January 2017 at Nesamony Memorial Christian College, Marthandam.
5. Presented a paper in the National Symposium on *The innovative Trends in Chemical Education and Research: Hurdles and Successive progress (ITCER-2017)* held at Sree Narayana College, Kollam on 22-24 March 2017.
6. Presented a paper at the State level seminar on *Nanoscience and Nanotechnology* held at Fatima mata national College on 16 Januar 2019.
7. Attended 5th *international Conference on Perspectives in Vibrational Spectroscopy (ICOPVS-2014)* at Mascot Hotel, Trivandrum on July8-12.
8. Attended *National Seminar on Perspectives in Raman Spectroscopy* held at St.John's college, Anchal on 15-16 of oct 2015.
6. Attended 29th Kerala Science Congress held at Marthoma College, Thiruvalla during 28-30 January 2017.
7. Participated in a *Faculty Development Programme* at T.K.M. College of Arts and Science on 3-5 January 2019.
8. Participated in the *Faculty Development Program* on Research; From scratch to success at TKMCE during 7-11 January 2019.
9. Participated in the *Orientation Programme for faculty* by Teaching and Learning Centre of TKM College of Engineering from 11-15 of December 2017.
10. Member of Organizing Committee of *the International Conference on Energy and Environment (iCEE2K19)* organized by TKM College of Arts and Science, Kollam during 12-14 December 2019.