

FACULTY PROFILE

Name : **Dr. Shaik Najma Nikkath**
Qualification : M. Sc., MPhil., Ph.D.,
Designation : Assistant Professor and Head
Dept. of UG Physics
Years of
Experience : **UG:** 17 years
PG: 4 years
Email Id : najmanikkath@gmail.com

Areas of
Specialization : Atmospheric Science

Publications

1. Trend Analysis of PM 10 Aerosol Data in A Metropolitan City in India, International Journal for Research in Engineering Application and Management, Sep 20
2. Determination of Spearmans correlation coefficient of Aerosols of Tropical Urban Coastal station Chennai, India, Asian journal of Science and Technology, November 2017
3. Trend analysis and Determination of Hurst Exponent for Aerosol time series of Chennai, International Journal of Developmental Research ,June 2016.
4. Trend detection in PM 10 and Meteorological parameters using Mankendall test A case study Chennai city, International Journal of Current Research ,Oct 2015.

Presentations

1. “Study of Trend Analysis and Calculation of Hurst Exponent of Aerosol Time Series of a Metropolitan City in Tamil Nadu” Hindu College, Chennai, March 2018
2. Aerosol and monsoon variability over India and physical mechanism review **INTROMET 2014,Symposium**, SRM University
3. Study of relation between solar activity & Geomagnetic activity- climate change **AMMCR 2012- National Seminar, Presidency College**
4. Advances in Material Science and Non Linear Sciences ,B.S Abdur Rehman University ,Chennai ,Feb 2016. **National Conference.**
5. **International Conference** : Emerging Trends and Challenges in Science and Technology , Bhaktavatsalam Memorial college for women 2013.

Conferences/Workshops/Seminar/Webinars Participated

1. Participated in the webinar on “Artificial Intelligence coupled devices the future of Health care” organized by Department of Electronics and Physics, Bhaktavatsalam memorial College for Women held on 23rd DEC 2021.
2. Participated in webinar in “Geospatial Technology for sustainable development and opportunities for Geoinformatics Graduates in Academia and Industry” Outreach program of TERI University, New Delhi, May 2020
3. Intellectual Properties Rights Awareness &IT sector, Ministry of communication and information technology, Feb 25 ,2016.
4. Pseudo Circuits and Mobile Applications, Bhaktavatsalam Memorial college for women Feb 2016.
5. Special and topics in Classical mechanics, atomic physics theory of atomic collisions & spectroscopy ,NPTEL ,IIT Madras ,April 2015 .
6. Embedded system Robotics and Automatio, Bhaktavatsalam Memorial college for women Jan 2015.
7. SPSS, Matlab, Bhaktavatsalam Memorial college for women 20th and 21st February 2014 Chennai.

8. Quantitative Research Methods Application and Data Analysis SPSS, Loyola college, 2012 Chennai.
9. Embedded system Robotics and Automation, Bhaktavatsalam Memorial college for women Jan 2015.

Other Achievements

1. Resource person on the topic “Teaching and Learning Science Strategies its importance”, National seminar ‘Pedagogical Learning Tools: Coping with Uncertainty’, Dr. MGR Educational and Research institute deemed to be university, July 2020
2. Moderator for Webinar in “Geospatial Technology for sustainable development and opportunities for Geoinformatics Graduates in Academia and Industry” Outreach program of TERI University, New Delhi, May 2020