



B.M.S COLLEGE OF ENGINEERING, BENGALURU-19
Autonomous Institute, Affiliated to VTU
Department of Physics

AY 2023-24 (1st of July 2023 – 30th of June 2024)

Yearly activity of Research Scholars

August 02nd 2023: Department of Physics organized Ph.D. Viva Voce Examination of Mrs. Ambika A.V, 1BM17PGA05, on the title “Synthesis, characterization of carbon nanotubes and its dispersion in liquid crystals for opto – electronic studies” under the guidance of Dr. B L Suresha, Associate Professor & Head, in the Seminar Hall, ISE Department, 5th Floor, Platinum Jubilee Block, BMSCE from 11.30 AM. Dr. B. Eraiah, Professor, Department of Physics, Bangalore University was the External Examiner nominated by VTU.

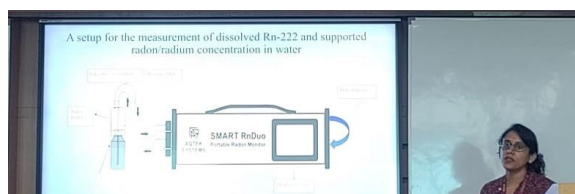


September 8th 2023 – Ms. Sahana B.V, Research scholar, Dept. of Physics, doing her Ph.D. under Dr. Latha kumari, Associate Professor Dept. of Physics published a research paper entitled “Effect of Calcination Temperature on the Structural and Optical Properties of FeSbO₄ Nanostructures” in Crystal Research & Technology Q1 Journal with impact factor 1.5 Online ISSN:1521-4079, Print ISSN:0232-1300, Volume59, Issue 5, Special Issue: Modelling of Crystal Growth Processes and Workshop on Photovoltaics, May 2024, 2300174

<https://doi.org/10.1002/crat.202300174>

September 22th 2023: Department of Physics organized Ph.D. Viva Voce Examination of Mrs. Poojitha C.G, 1BM18PPY01, on “Studies on radon and radium activity in groundwater and its relation to uranium deposit” under the guidance of Dr. K.E Ganesh, Associate Professor, in AI-ML Seminar Hall, 7th Floor, Platinum Jubilee Block, BMSCE at 10.30 AM. Dr. S. Krishnaveni,

Professor, Department of Physics, University of Mysore was the External Examiner nominated by VTU.



September 21st – 23rd 2023 -, Mrs. Thrinethra S.N, Research scholar presented the research work entitled “Structural, Optical and Magnetic Evaluation of Multiphase Cobalt Doped Nickel Ferrite/Polyaniline Nanocomposites”. in the Third International Conference on Physics of Materials & Nanotechnology (ICPN-2023). organized by Mangalore University, Mangalagangothri, India.

October 05th 2023: Mrs. Nisha P.G, WOSA Research scholar, and Dr. T.S Pranasha, Professor (Rtd), Department of Physics published a research paper entitled “Trend and interannual variability of the Arabian Sea heat content" in the Journal of Marine Systems, Q1 Journal with [Volume 242](#), February 2024, 103935,ISSN: 0924-7963, impact factor - 3.01

<https://doi.org/10.1016/j.jmarsys.2023.103935>

November 3rd 2023 - Mrs. Thrinethra S. N Research scholar, Department of Physics, BMS College of Engineering, participated in the NANO Scientific Symposium Asia, organized by



Indian Institute of Science, Bangalore, India.

November 21st 2023 –Ms. Nisha P G Research scholar, Dept. of Physics, participated and presented a paper on the topic “Effect of increasing heat content of Indian Ocean on the lightning flash rates over Southern India” at National conference on “**Climate Resilience and Sustainable Development**” organised by Karnataka Science and Technology Academy, Department of Science and Technology, Government of Karnataka.

November 22nd 2023 –Mrs. Seema R Research scholar, Dept. of Physics participated and presented a paper on the topic "Effects of pollution and meteorological parameters on Urban Heat Island of Bengaluru during Pre COVID and COVID periods" at National conference on “**Climate Resilience and Sustainable Development**” organised by Karnataka Science and Technology Academy, Department of Science and Technology, Government of Karnataka.

January 6th 2024: Department of Physics organized Ph.D. Viva Voce Examination of Ms. H.S Sumantha IBM17PGA04, on the topic “Synthesis and characterization of anode material for Li⁺ batteries ” under the guidance of Dr. B L Suresha , Head, Department of Physics, in the Seminar Hall, ISE Department, 5th Floor, Platinum Jubilee Block, BMSCE from 11.30 AM. Dr. S. Krishnaveni, Professor, Department of Physics, University of Mysore was the External Examiner nominated by VTU.

February 16th, 2024 - Ph.D. viva-voce of Ms Meti Bharathi working under the co-guidance of Dr. Murugendrappa M V, Associate Professor Department of Physics was conducted in Department of Physics, Dr. Ambedkar Institute of Technology, Bengaluru. Dr. Shivakumara C, Professor, Indian Institute of Science, Bengaluru was the External Examiner nominated by VTU.



February 22nd, 2024 - Uday Kumar M, pursuing Ph.D. (full time) under the guidance of Dr. Latha Kumari, Department of Physics, participated and presented a paper entitled “**Impact of ball milling duration, Phase transformation and Processing on the thermoelectric performance of Cu₂Se**” in International Conference on Material Genome (ACCMS-ICMG-2024) held from 22/02/2024 to 24/02/2024 at SRM University, Andhra Pradesh

March 7th 2024: Department of physics research scholar Sahana B.V Attended Hands-on-Training “Rietveld Refinement of X-Ray Diffraction data” organized by the Centre for Advanced Computational Research, Delhi from 4th-10th March 2024.



March 20th 2024: Department of physics research scholars Jyothi A Goudar & Arya Viswanath M attended a one day workshop "Advanced Materials, Sensors And Fuel Cells" organised by PES University on 20th March 2024.



April 5th – 6th 2024—Ms. Nisha P G Research scholar, Dept. of Physics, participated and presented a paper on the topic “Increasing Trend of Lightning Flash Rates Over Indian Land Region: Impact of Global Warming” in International Conference on Sustainable Research in Energy and Environment (SREE)-2024 jointly organized by Department of Chemical Engineering

& Centre for Energy and Environment, Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India.

April 18th - 20th 2024: Department of physics research scholar Jyothi A Goudar participated and presented a paper on the topic “Theoretical Exploration of fundamental characteristics of electrolytes in energy storage device” in the two day National Conference on Sustainable Energy Conversion and Storage: Functional Materials, Systems, and Applications (NCSECS-2024) organized by Department of Physics and Electronics sponsored by SERB in the Christ University from 18th - 20th April 2024.

May 10th 11th and 12th: Ms. Sahana B V Research scholar of Department of Physics B.M.S. College of Engineering Bengaluru had actively participated online in “International Conference on Nanostructured Materials and Nanocomposites ICN 2024” conducted by Mahathma Gandhi University, Kottayam, Kerala, India.

Name	Presentation in Conference
Sahana B V	Oral presentation

June 15th 2024: The Department of Physics conducted open seminar of Research scholar Mrs. Navya. N. (1BM19PPY02) on the topic “Electro-Optical and Dielectric studies on nanoparticle dispersed liquid crystals.” under the guidance of Dr. B.L Suresha, Associate Professor, at ECE Department Seminar Hall Third Floor, New Academic Block. Dr. K. Fakruddin, Professor & HOD Dept. of Physics, Ghousia college of Engineering Ramanagara was the external examiner.



**B.M.S. College of Engineering,
Bengaluru-560019**

INVITATION

Open Seminar-1

*“Electro-Optical and Dielectric studies on nanoparticle
dispersed liquid crystals”*

Presented By

Navya N
USN: 1BM19PPY02

Research Supervisor

Dr. B.L. Suresha
Department of Physics
B.M.S College of Engineering Bengaluru-560019

Research Center

Department of Physics
B.M.S College of Engineering Bengaluru-560019

Date: 15th June 2024 (Saturday)

Time: 11:00 AM

**Venue: E & C Seminar Hall, 3rd floor
B S Narayan Platinum Block**

ALL ARE CORDIALLY INVITED
