

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

AY 2020-21 (1st of July 2020- 31st of June 2021)

1) Dr. Murugendrappa M.V

HOD & Associate Professor, Dept. of Physics

July 20th, 2020: Dr. Murugendrappa M V, Associate Professor and Head, Department of Physics presented a research paper entitled "DC Conductivity and Thermo-electric Power Studies of multiphase Polypyrrole/Vanadium Oxide-Aluminium Oxide Nano Composites" in One day online International conference on "Advanced Materials" organised by Department of Physics of KLE Society's P. C. Jabin Science College, Vidya Nagar, Hubballi, Karnataka – 580031

August 08th, 2020: Dr. Murugendrappa M V, Associate Professor and Head, Department of Physics published a research paper entitled "Temperature-dependent transport properties of micro and nano-sized zinc cobalt oxide (ZnCo₂O₄) and zinc manganese oxide (ZnMn₂O₄) particles synthesized by a hydrothermal route" in Elsevier: Ceramics International: Q1 Journal with Impact Factor: 3.83 Volume 46, Issue 14, 1 October 2020, Pages 22492-22503 https://doi.org/10.1016/j.ceramint.2020.06.009

August 19th, 2020: Dr. Murugendrappa M V, Associate Professor and Head, Department of Physics delivered a talk as a guest speaker for the online FDP on "Recent Advances in Science & Technology" organised by Department of Physics, Don Bosco Institute of Technology, Bengaluru.





August 20th, 2020: Dr. Murugendrappa M V, Associate Professor and Head, Department of Physics delivered a talk as a guest speaker for the two Day National Level Faculty Development Programme on "Current trends in Research" organised by Department of Basic Science and R&D Center, by Tontadarya College of Engineering, Mundaragi Road, Gadag - 582 101, Karnataka, INDIA.



August 24th, 2020: Dr. Murugendrappa M V, Associate Professor and Head, Department of Physics published a research paper entitled "Effect of Cobalt Aluminum Oxide Nanoparticles on the Structural, DC Conductivity and Humidity Sensing Properties of Polypyrrole" in Taylor & Francis: Journal of Macromolecular Science, Part B: with the Impact Factor: 0.911 https://doi.org/10.1080/00222348.2020.1807691

September 16th, 2020: Dr. Murugendrappa M V, Associate Professor and Head, Department of Physics participated in One Day National Webinar on "Recent Advances in Carbon Nanomaterials", Organized by Department of Physics, Dr.Ambedkar Institute of Technology, Bengaluru-56. In association with Institute of Engineering and Technology, Dr. Rammanohar Lohia Avadh University, Ayodhya, UP, India.



September 1, 2020: Dr. Murugendrappa M V, Head, Department of Physics published a research paper entitled "Synthesis and characterization of WO₃ - doped polyaniline to sense biomarker VOCs of Malaria" in **Springer: Applied Nanoscience,** 1-16, ISSN 2190-5509 **Q3 Journal with Impact Factor: 2.88** https://doi.org/10.1007/s13204-020-01551-3

September 19, 2020: Dr. Murugendrappa M V, Head, Department of Physics published a research paper entitled "Three-Dimensional Variable Range Hopping and Thermally Activated Conduction Mechanism of Polypyrrole/Zinc Cobalt Oxide Nanocomposites" in **ACS Publications: The Journal of Physical Chemistry C** Volume 124, Issue 39, pp 21772–21781, **Q2 Journal with Impact Factor: 4.189** https://doi.org/10.1021/acs.jpcc.0c05889

October 14, 2020: A New research laboratory allocated to Department of Physics in P.G Block 5th floor named "Functional ceramics and Atmospheric Aerosols research lab" was inaugurated in esteemed presence of Principal Dr. B.V Ravishankar, Vice Principal Dr. S. Muralidhara and HOD Dept. of Physics Dr. Murugendrappa M.V. with other department colleagues.

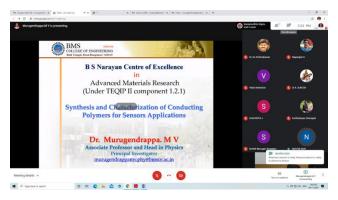


October 23, 2020: Department of Physics organized Ph.D. Final Viva Voce of Mrs. Smitha M G, 1BM15PGJ02, on the title "Synthesis, characterization & Transport studies of polypyrrole Nano composites" under the guidance of Dr. Murugendrappa M V, Associate Professor and Head of the Department in Room No. 202, II Floor, New Building, BMSCE at 11.30 AM. Dr. Y Sangappa, Professor of Physics, Mangalore University, Mangalore was the External Examiner with google meet link meet.google.com/qah-hzxm-hhz.



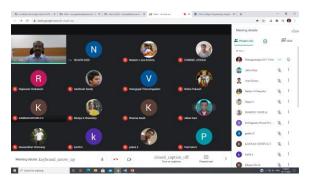
November 6, 2020: Dr. Murugendrappa M V, Head, Department of Physics published a research paper entitled "Effect of rare earth oxide nanoparticles on the photoluminescence and conductivity properties of PVA films" in **AIP Conference Proceedings Volume no - 2265, Issue 1 030048** (2020); https://doi.org/10.1063/5.0017068

November 9, 2020: Dr. Murugendrappa M V, Associate Professor and Head, Department of Physics delivered a talk as a Resource person on the topic "Synthesis and Characterization of Conducting Polymers For Sensors Applications" in the AICTE Sponsored Two-week online Faculty Development programme on "Advanced Physics for Engineers" organised by Thanthai Periyar Government Institute of Technology, Vellore – 632 002. Tamil Nadu. India from November 04-17, 2020.

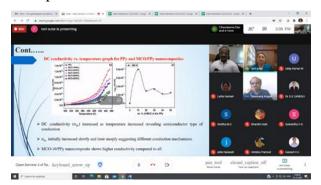


November 11, 2020: Dept. of Physics, Polymer composites lab under Centre of Excellence, BMSCE and Acharya Pathashala College of Arts and Science, N.R Colony, Bengaluru entered into a MOU regarding sharing of Research Knowledge and Research activities among student and faculty Members.

November 30, 2020: Dr. Murugendrappa M V, Associate Professor and Head, Department of Physics delivered a talk as a Resource person on the topic "Synthesis and Characterization of Conducting Polymers For Sensors Applications" in the AICTE Sponsored Two-week online Faculty Development programme on "Advanced Physics for Engineers" organised by Thanthai Periyar Government Institute of Technology, Vellore – 632 002. Tamil Nadu. India from 25.11.2020 to 08.12.2020.



December 10, 2020: Mrs Sutar Rani Ananda Research scholar, Department of Physics doing her PhD under the guidance of Dr. Murugendrappa M V, Associate professor and Head, Department of Physics, delivered an Open seminar 2 of her PhD work online from 02.30 PM to 3.30 PM. The doctoral committee members Dr Basavaraj Angadi, Professor, Dept. of Physics, Bangalore University, Bengalore an external domain expert and Dr. Latha Kumari, Assistant Professor, Dept. of Physics, BMSCE an internal domain expert and the faculties and research scholars of BMSCE were present.



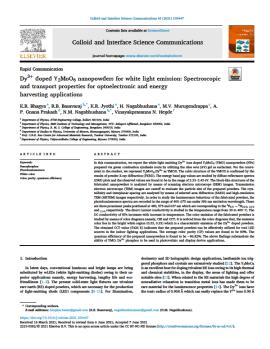
January 04, 2021: Dr. Murugendrappa M.V – HOD & Associate Professor of Department of Physics got the Sanction of Financial support towards seed money of Rs.3, 00,000/-for R & D activates. Title of the Proposal – Studies on the effects of structural modifications in the polypyrole based nanocomposites on the gas sensing performance.

January 12, 2021: Dr. Murugendrappa M V, Associate Professor and Head, Department of Physics was invited as an expert member for BOE meeting in the Bangalore University to scrutinize the Engineering Physics.

March 15, 2021: Dr. Murugendrappa M V, Head, Department of Physics published a research paper entitled "Facile Use of Silver Nanoparticles-Loaded Alumina/Silica in Nanofluid Formulations for Enhanced Catalytic Performance toward 4-Nitrophenol Reduction" in International Journal of Environmental Research and Public Health, 2021, 18, 2994. Q1 Journal with Impact Factor: 2.849 https://doi.org/10.3390/ijerph18062994

April 06th, 2021: Dr. Murugendrappa M V, Head, Department of Physics published a research paper entitled "Fabrication, characterization and malaria biomarker VOC - sensing properties of WO₃ - doped polyaniline" in an International Springer Published Journal of Materials Science: Materials in Electronics, Issue 8, 2021, **Q2 Journal with Impact Factor: 2.220**

June 06th, 2021: Dr. Murugendrappa M V, Head, Department of Physics published a research paper entitled "Dy3+ doped Y2MoO6 nanopowders for white light emission: Spectroscopic and transport properties for optoelectronic and energy harvesting applications" in an International Colloid and Interface Science Communications, <u>Volume 43</u>, July 2021, 100447, Q1 Journal with Impact Factor: 2.831 https://doi.org/10.1016/j.colcom.2021.100447



1) Dr. T.S Pranesha

Professor, Dept. of Physics

January 04, 2021: Dr. T.S Pranesha – Professor of Department of Physics got the Sanction of Financial support towards seed money of Rs.1, 50,000/- for R & D activates. Title of the Proposal – Synthesis and Characterization of endohedral cluster fullerene to improve anharmonicity and ZT value for SnSe compound.

3) Prof. T.Reuka

Associate Professor, Dept. of Physics

4) Prof. K.Ravishankar

Associate Professor, Dept. of Physics

5) Dr. B.L Suresha

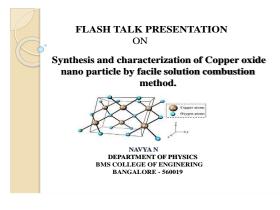
Asst. Professor, Dept. of Physics

August 27th to 28th, 2020: Dr. B L Suresha, Asst. Professor, Department of Physics participated in international webinar in physics on Laser, Space Programme and low temperature Physics organised by Department of Physics, Vijaya college, Bangalore.



December 21 to 23, 2020: Dr. B.L Suresha, Asst. Professor, Department of Physics, Mrs Ambika A.V & Mrs. Navya N Research scholars, Department of Physics presented a Flash Talk (Poster) Presentations of the Paper titled as "Electrochemical Determination of Dopamine Using Multiwalled Carbon Nanotubes" in NCLC 2020. Technical Program organised by Department of Applied Physics, Amity Institute of Applied Sciences, Amity University, Uttar Pradesh, Noida-201313, India

January 1, 2021: Dr. B.L Suresha, Asst. Professor, Department of Physics, Mrs. Navya N Research scholar, Department of Physics presented a Flash Talk (Poster) Presentation of the Paper titled as "Synthesis and Characterization of copper oxide nanoparticles" in NCLC 2020. Technical Program organised by Department of Applied Physics, Amity Institute of Applied Sciences, Amity University, Uttar Pradesh, Noida-201313, India.



January 04, 2021: Dr. B.L Suresha – Assistant Professor of Department of Physics got the Sanction of Financial support towards seed money of Rs.2, 50,000/- for R & D activates. Title of the Proposal – Synthesis and Characterization of Nano materials doped with Liquid Crystal for liquid crystal for Liquid Crystal display and drug delivery application.

January 07, 2021: The Department of Physics conducted the Pre PhD comprehensive Viva voce of the Research Scholar Mrs. Navya. N in 2nd floor, Platinum Jubilee block room no 202 with external member Dr. K. Fakruddin, Prof & HOD of Dept. of Physics Ghousia college of Engineering, Ramanagaram.



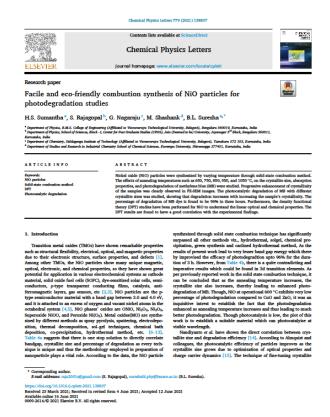
January 08, 2021: The Department of Physics conducted the Pre PhD comprehensive Viva voce of the Research Scholar Mrs. Ambika A.V in 2nd floor, Platinum Jubilee block room no 202 with external member by Dr. Dhananjaya. N, Assosiate Prof & HOD of Dept. of Physics B.M.S.I.T & M.



May 16th, 2021: Dr. B.L Suresha, Assistant Professor of Department of Physics, published a research paper entitled "Electrochemical sensor studies of dopamine using multiwalled carbon nanotubes by CVD technique" in an Elsevier Published journal Physica B: Physics of Condensed Matter DOI https://doi.org/10.1016/j.physb.2021.413137 Q2 Journal with Impact Factor: 2.4

May 19th-21st, 2021: Dr. B.L Suresha, Assistant Professor of Department of Physics, presented a research paper entitled "Synthesis and characterization of Anatase Titanium Dioxide Nanoparticles with High Photo-catalytic Activity by facile solution combustion method" in International Conference on Sustainable Materials and Technologies for Bio and Energy Applications (SMTBEA-2021) organized by Department of Electronics and Communication Engineering (ECE) & SSN Research Centre (SSNRC), Sri Sivasubramaniya Nadar College of Engineering, Chennai, India.

June 16th, 2021: Dr. B L Suresha, Assistant Professor and Mr. H S Sumantha, Research Scholar, Dept. of Physics published a research paper entitled "Facile and eco-friendly combustion synthesis of NiO particles for photodegradation studies" in Chemical Physics Letters, Volume 779, 16 September 2021, 138837. Q2 Journal with Impact Factor: 2.029 https://doi.org/10.1016/j.cplett.2021.138837



6) Dr. K.E Ganesh

Asst. Professor, Dept. of Physics

July 14th, 2020: Dr. K.E Ganesh, Asst. Professor & Dr. T.S Pranesha, Professor Department of Physics jointly published a research paper entitled "Assessment of Radon and Thoron Exhalation from Soils and Dissolved Radon in Ground Water in the Vicinity of Elevated Granitic Hill, Chikkaballapur District, Karnataka, India",In Radiation Protection Dosimetry (2020), pp. 1–8, ISSN: 0144-8420 / 1742-3406 (Print) with Impact Factor = 0.831. https://doi.org/10.1093/rpd/ncaa099 Print version Volume No 190, Pages -185-192, Issue - 2

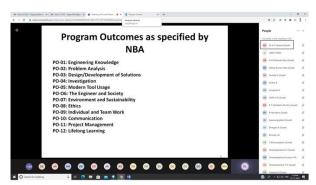


October 14, 2020: A New research laboratory allocated to Department of Physics in P.G Block 5th floor named "Functional ceramics and Atmospheric Aerosols research lab" was inaugurated in esteemed presence of Principal Dr. B.V Ravishankar, Vice Principal Dr. S. Muralidhara and HOD Dept. of Physics Dr. Murugendrappa M.V. with other department colleagues.

November 07, 2020: Department of Physics organized Online Pre-Ph D Comprehensive Viva Voce Examination of Mrs. Poojitha C G, 1BM18PPY01, on the title "Studies on Radon and Radium Activity in Ground Water and Its Relation to Uranium Deposit" under the guidance of Dr. K.E Ganesh, Asst. Professor, Dept. of Physics <u>Google meet link: https://meet.google.com/uxy-zmzu-tzm</u>



December 07 – 08, 2020: Dr. K.E Ganesh Asst. Professor Dept. of Physics attended two days online Capsule/Refresher Workshop on 'Examination Reforms Mandate' being conducted for TEQIP 1.1 and 1.3 institutions.



January 04, 2021: Dr. K.E Ganesh – Assistant Professor of Department of Physics got the Sanction of Financial support towards seed money of Rs.40, 000/- for R & D. Title of the Proposal – Consumables towards PM1 analyzer.

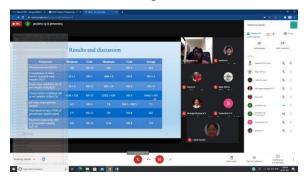
January 16, 2021: The Physics Department Research scholar Mrs Poojitha C G (1BM18PPY01) delivered the Open seminar 1 online on the title "Studies On Radon And Radium Activity In Ground Water And Its Relation To Uranium Deposit" in : With the google link https://meet.google.com/tee-yutc-kra?hs=122&authuser=0 An external member Dr. Ningappa.C ,VVIET, Mysore, and research scholars were present for the seminar.



January 14, 2021: Dr. K.E Ganesh, Assistant Professor, Dept. of Physics successfully completed the Four weeks NPTEL online certification Program and obtained the certificate on Infrared spectroscopy for pollution monitoring.



February 20th, 2021: Mrs. Poojitha C G Research scholar, Department of Physics doing her PhD under the guidance of Dr. K. E. Ganesh, Asst. Professor, Department of Physics, delivered an Open seminar 2 of her PhD work online on the Title of the work: "Studies On Radon And Radium Activity In Ground Water And Its Relation To Uranium Deposit" internal domain expert and the faculties and research scholars of BMSCE were present.



March 03rd, 2021: Dr. K.E Ganesh, Asst. Professor of Dept. of Physics published a research paper entitled "Satellite Data Based Study On Long Term Variation Of Black Carbon Over Bengaluru, Karnataka, India" in Asian Journal of Microbiology & Biotechnology And Environmental Sciences. With the Volume no 23, Issue No. (1): 2021: with page no 61-65 © Global Science Publications with the ISSN-0972-3005.

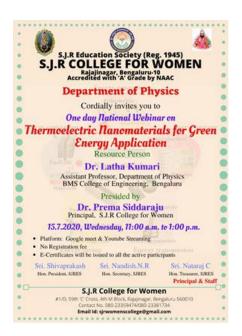
March 23, 2021: Mrs. Poojitha C.G, Research Scholar, Department of Physics oral presented a paper titled "Estimation of radon and radium activity in ground water: A case study at Bengaluru, Karnataka, India" in 21st National Conference on Solid State Nuclear Track Detectors and Their Applications (SSNTDs-21) Jointly Organized by Department of Physics, Ramjas College and Department of Physics & Astrophysics, University of Delhi In Collaboration with Nuclear Track Society of India (NTSI

7) Dr. Latakumari

Asst. Professor, Dept. of Physics

July 14th 2020: Dr. Latakumari, Assistant Professor, Dept. of Physics participated "How to Choose Right Journal" conducted by the B.M.S.C.E Research and development centre, Jointly Organized by IEEE Bangalore Section.

July 15th, 2020: Dr. Latha kumari, Asst. Professor Dept. of Physics invited as a resource person for one day webinar on "Thermoelectric Nanomaterials for Green Energy Applications" about 350 participants attended the Webinar, organised by SJR College of Women, Bengaluru. https://youtu.be/6_1gnK_4yKU?t=9035



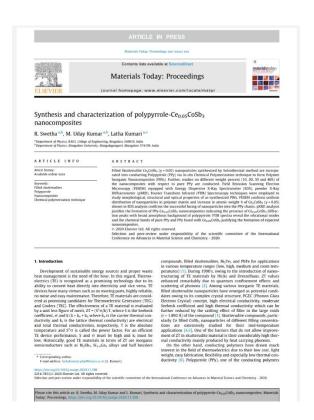
July 31th, 2020: Dr. Latakumari, Asst.Professor Dept. of Physics invited as a resource person for one day webinar on "Metal Oxide Nanomaterials for Nanodevice Applications", about 350 participants attended the Webinar, organised by Sri Kuvempu First Grade College and PG Centre, Chennapatna.



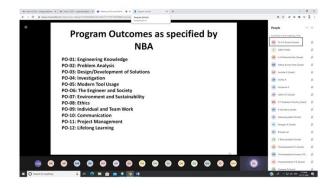
September 16th, 2020: Dr.Latakumari, Assistant Professor, Department of Physics participated in One Day National Webinar on "Recent Advances in Carbon Nanomaterials", Organized by Department of Physics, Dr.Ambedkar Institute of Technology, Bengaluru-56. In association with Institute of Engineering and Technology, Dr. Rammanohar Lohia Avadh University, Ayodhya, UP, India.

September 25th, 2020: Dr. Latakumari, Assistant Professors, Department of Physics participated in the national level webinar on Future of Higher Education in India- Turning Challenges into Opportunities, Organized by BMSIT, Bangalore.

December 29, 2020: Dr. Latha Kumari, Assistant Professor and Swetha R, Uday Kumar M, Research Scholars, Department of Physics published a Paper entitled "Synthesis and characterization of polypyrrole-Ce_{0.05}CoSb₃ nanocomposites" in Materials Today: Proceedings. https://doi.org/10.1016/j.matpr.2020.11.398



December 07 – 08, 2020: Dr. Latha Kumari Asst. Professors Dept. of Physics attended two days online Capsule/Refresher Workshop on 'Examination Reforms Mandate' being conducted for TEQIP 1.1 and 1.3 institutions.



January 04, 2021: Dr. Latha kumari – Assistant Professor of Department of Physics got the Sanction of Financial support towards seed money of Rs.2, 50,000/- for R & D. Title of the Proposal – Polymer - Thermoelectric Nanocomposites for Green Energy Conversion

January 05, 2021: Dr. Latha Kumari, Assistant Professor, Uday Kumar M, Swetha R, Research Scholars, Department of Physics published an online Paper entitled "Structural and Optical Studies

on Strontium-Filled CoSb₃ Nanoparticles Via a Solvo-/Hydrothermal Method" in Journal of Electronic Materials with the impact factor 1.66 https://doi.org/10.1007/s11664-020-08629-2

January 02, 2021: Dr. Latha kumari, Assistant Professor, Dept. of Physics successfully completed the Four weeks NPTEL online certification Program and obtained the certificate on Structural analysis of Nanomaterials offered by Indian Institute of Technology, Roorkee.



8) Dr. Ramya Hariharan

Asst. Professor, Dept. of Physics

20th **June 2020:** Dr. Ramya Hariharan, Assistant Professor, Dept. of Physics, Attended The Bodhi Tree and SAFE Tools July 01th to 04th, 2020 for Effective Online Teaching: A Hands-On Workshop conducted by Teaching Learning Centre (ICT) at IIT Bombay.



September 01st, 2020: Dr. Ramya Hariharan, Assistant Professor, Department of Physics is approved of a research grant under RGS/F Scheme of VGST (VISION GROUP ON SCIENCE AND TECHNOLOGY), of Government of Karnataka. She will be the Principal Investigator for the project entitled: "Combined Studies of Materials Discovery with Machine Learning and Experimentation for the Development of High Performance Piezoelectric Materials" under the subject: Metallurgical & Materials Engineering (M & M) with the Total Amount (Rs. Three lakhs) VGST Grants.



September 07th, 2020: Dr. Ramyahariharan, Assistant Professor, Department of Physics participated in Basic series of the web of science Training & certification program 2020, Organized by clarivate.



September 25th, 2020: Dr. Ramyahariharan, Assistant Professors, Department of Physics participated in the national level webinar on Future of Higher Education in India- Turning Challenges into Opportunities, Organized by BMSIT, Bangalore.



September 25, 2020: Dr. Ramya Hariharan, Assistant Professor, Department of Physics is approved a research grant for the project entitled: "Combined Studies of Materials Discovery with Machine Learning and Experimentation for the Development of High Performance Piezoelectric Materials" under the subject: Metallurgical & Materials Engineering (M & M) with the Total Amount of Rs. Three lakhs under RGS/F Scheme of VGST (VISION GROUP ON SCIENCE AND TECHNOLOGY), of Government of Karnataka.

October 14, 2020: A New research laboratory allocated to Department of Physics in P.G Block 5th floor named "Functional ceramics and Atmospheric Aerosols research lab" was inaugurated in esteemed presence of Principal Dr. B.V Ravishankar, Vice Principal Dr. S. Muralidhara and HOD Dept. of Physics Dr. Murugendrappa M.V. with other department colleagues.

October 23, 2020: Dr. Ramya Hariharan, Assistant Professor, Department of Physics published a Book Chapter in "Hybrid Perovskite Composite Materials", 1st Edition Elsevier, (458 pages) October 2020. Editors: Imran Khan, Anish Khan, Mohammad Ali Khan, Shakeel Khan, Francis Verpoort and Arshad Umar. The Contributed Chapter is: (6) "High-sensitivity piezoelectric perovskites for magnetoelectric composites", pages 147-167.

Web link: https://doi.org/10.1016/B978-0-12-819977-0.00006-8

November 02, 2020: Dr.Ramya Hariharan, Asst. Professor Dept. of Physics Published an online research paper entitled "COVID-19: A Boon for Tropical Solar Parks? A Time Series Based Analysis and Forecasting of Solar Irradiance" in, International Journal Taylor & Francis: Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, ISSN: 1556-7036 Q3 Journal with Impact Factor: 1.184. https://doi.org/10.1080/15567036.2020.1839603

January 04, 2021: Dr. Ramya Hariharan – Assistant Professor of Department of Physics got the Sanction of Financial support towards seed money Rs.2, 50,000/- for R & D activates. Title of the Proposal – Hybrid Microwave Assistant Synthesis of Perovskite Oxides for Ferroelectric Applications

January 22, 2020: Dr. Ramya Hariharan, Assistant Professor, Department of Physics published a research paper titled "Random forest regression analysis on combined role of meteorological indicators in disease dissemination in an Indian city: A case study of New Delhi" in Elsevier: Urban Climate ISSN: 2212-0955 Q2 Journal with Impact Factor: 3.834 https://doi.org/10.1016/j.uclim.2021.100780

9) Dr. Kaliprasad

Asst. Professor, Dept. of Physics

August 10th, 2020: Dr. Kaliprasad C.S, Asst. Professor, Department of Physics published a research paper entitled "A systematic investigation on grain size enrichment of radionuclides and assessment of radiation hazards along the southern coastal environment of Kerala, India" in Int. J.

Nuclear Energy Science and Technology, Vol. 14, No. 1, 2020, **Pages 28-37 DOI:** 10.1504/IJNEST.2020.108799

August 03rd to 05th, 2020: Dr.Kaliprasad C.S, Asst.Professor of Dept. of Physics participated in 3-Days FDP on Lifestyle Change and Self-Management for Future Scenario organised by Department Of Basic Science And Humanities – Physics, New Horizon College of Engineering, Bengaluru in association with the Heartfulness Institute.



August 26th to 28th, 2020: Dr. Kaliprasad C.S, Assistant Professor, Department of Physics participated in the International Virtual Conference, AFM-2020, Organized by Department of Physics, Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Bhubaneswar, Odisha, India.



September 16th, 2020: Dr.Kaliprasad C.S, Assistant Professor, Department of Physics participated in One Day National Webinar on "Recent Advances in Carbon Nanomaterials", Organized by Department of Physics, Dr.Ambedkar Institute of Technology, Bengaluru-56. In association with Institute of Engineering and Technology, Dr. Rammanohar Lohia Avadh University, Ayodhya, UP, India.



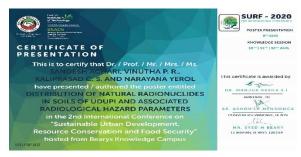
September 25th, 2020: Dr. Kaliprasad C.S, Assistant Professors, Department of Physics participated in the national level webinar on Future of Higher Education in India- Turning Challenges into Opportunities, Organized by BMSIT, Bangalore.



August 6, 2020: Dr. Kaliprasad C.S, Assistant Professor Department of Physics, Presented four papers in the 2nd international Conference Online SURF-2020: on Sustainable Urban Development, Resource Conservation and Food Security held at Bearys Knowledge Campus, Mangalore from August 6-8, out of four one Poster titled "**IOT based automated irrigated system**" fetched **Second Best poster & 5000 Cash Award**

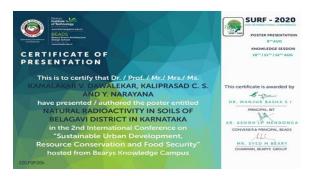


"Distribution of Natural Radionuclides in Soils of Udupi and Associated Radiological Hazard Parameters"



"Natural Radioactivity in Soils of Belagavi District

in Karnataka"



"Assessment of Natural Radioactivity in rocky areas of Davangere district of Karnataka, India"

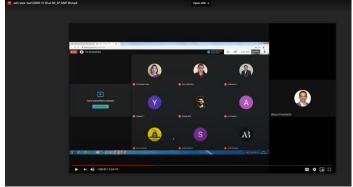


October 13 to 14, 2020: Dr. Kaliprasad C.S, Asst. Professor Department of Physics attended an International Virtual Conference on Frontiers in Manufacturing Technology (FMT 2020) organised by Department of Physics, school of applied sciences, Kalinga institute of Industrial Technology(KIIT), Bhubaneshwar, Odisha, India.

October 19 to 23, 2020: Dr. Kaliprasad C.S, Asst. Professor Department of Physics Participated in Five day online Faculty development program on "New Generation Solar Cells" organised by Department of Physics, BNMIT, Bangalore.

November 09 to 21, 2020: Department of Physics had organised Two Week Training Program on "Internet of Things (IoT)" in association with TEQIP III. 37 Students participated in the Program & 4 Speakers were invited to give the talk to the students from various branches of BMSCE

participated in the event. Dr. Kaliprasad C S, Asst.Professor of the Dept was the Coordinator for



the event.

December 22, 2020: Dr. Kaliprasad C.S, Asst. Professor Department of Physics participated in the Webinar on "Modelling and Simulation" in Organised by the Department of Mathematics, School of Basic & Applied Sciences, Harcourt Butler Technical University, Kanpur.