

Dr. MURUGENDRAPPAM V

Address for correspondence

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Associate Professor
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Personal details

Nationality: Indian, Date of Birth: 18-12-1975, Sex: Male, Marital Status: Married

Educational qualifications

Course	Board / University	Year of Passing	Subjects	Class Secured	Rank
B.Sc.	Kottureshwara College	1996	PME	I	
M.Sc.	Gulbarga University	1998	Physics	I	First
M.Phil.	Gulbarga University	1999	Physics	I	--
Ph.D.	Gulbarga University	2006	Awarded Ph.D on 04.01.2006 from Gulbarga University, Gulbarga		

Scholarships and Awards

- Awarded endorsement prize for securing highest marks to entire college in **B.Sc.**
- Awarded merit scholarship during **M.Sc.**
- Awarded **Gold Medal** for securing **First Rank** in **M.Sc.**
- Awarded university merit scholarship for the **Ph.D.** work

Area of Specialization.

- Solid State Physics, Materials Science and Conducting Polymer Composites

Research Experience

- One-year research experience while doing M.Phil. on ‘Solid state studies of polyethylene glycol and its salt complexes’.
- Five-year research experience while doing Ph.D. on ‘Synthesis, Characterization and transport properties of polypyrrole and its oxide composites’.

Research Guidance

- Eight students guided for M.Phil.

Sl. NO.	Details of Ph.D. Candidates Registered under VTU				
	Name	Cat.	Date of Join	Status	Date of Award
1.	Sangappa K Ganiger	GM	06.02.2012	Awarded	12.06.2017
2.	Chaluvaraju B V	GM	08.11.2012	Awarded	09.08.2017
3.	Smitha M G	GM	15.12.2014	Awarded	23.10.2020
4.	Rani Sutar Ananda	GM	31.10.2015	Awarded	07.12.2021
5.	Meti Bharathi	OBC	15.02.2017	Awarded	16.02.2024
6.	Mytreysi S	GM	11.09.2019	Course work completed	
7.	Maniyar Asifkhan Khadarkhan	OBC	11.09.2019	Course work completed	
8.	Sunanda S	GM	30.10.2021	Course work preparation	
9.	Jyothi A Gowder	GM	30.05.2023	Course work preparation	

Patent: 01 Awarded

Administrative experience

Sl. No.	Designation	Place
1.	BOE and BOS Chairperson	BMS College of Engineering, Bengaluru
2.	BOS and BOE Member	Dr. Ambedkar Institute of Technology, B'luru, PES College of Engineering, Mandya, SIT, Tumkur, Presidency University, Bengaluru, BIET, Davangere, BNMIT, Bengaluru, Nagarjuna College of Engineering, Bengaluru

Teaching Experience

Position Held	Duration		Level (PG/UG)	No. of Years	University/Institution
	From	To			
Lecturer & Head	01.10.2001	31.12.2005	UG	4	GM Institute of Technology, Davangere
Assistant Professor & Head	01.01.2006	16.06.2007	UG	1½	GM Institute of Technology, Davangere
Assistant Professor	18.06.2007	18.06.2010	UG	3	BMS College of Engineering, Bangalore
Associate Professor	18.06.2010	18.12.2016	UG	6½	BMS College of Engineering, Bangalore
Associate Professor and Head	16.12.2016	24.07.2023	UG	7½	BMS College of Engineering, Bangalore
Deputy Controller of Examinations	04.02.2022	03.11.2022	College	9 months	BMS College of Engineering, Bangalore
Deputy Controller of Examinations	24.07.2023	23.07.2024	College	1 Year	BMS College of Engineering, Bangalore
Associate Professor	18.06.2010	till date	UG	14 Years	BMS College of Engineering, Bangalore

Resource Person in workshops / Conference / program

Sl. No	Topic Delivered	Name of the Workshop / program	Place	Date
1	Dielectrics and Liquid crystals	Physics workshop organized by Indian Association of Physics Teachers Regional Colleges – 12 and V V Puram college, Bangalore	V V Puram College, Bangalore	19 th February 2014.
2	Handling Science in High Schools	IEEE Teacher in Science Program, organized by IEE young professional Bangalore in collaboration with NSS unit, BMSCE	BMS College of Engineering, Bangalore	11 th November 2016
3	Synthesis and characterization of conducting polymers for sensors applications	Department of Physics and Chemistry workshop series – XXXXIII on Characterization Techniques for the study of Thermoelectric and Optical properties of Materials	Siddaganga Institute of Technology, Tumkur	28 th July 2017
4	Dielectrics and Liquid Crystals	Department of Physics and Chemistry workshop series – XXXXIII on Characterization Techniques for the study of Thermoelectric and Optical properties of Materials	Siddaganga Institute of Technology, Tumkur	28 th July 2017
5	Synthesis and Characterization of conducting polymers for sensors applications	Lecture series workshop.	RYM College of Engineering, Bellary	24 th January 2018:
6	Synthesis and Characterization of conducting polymers	3 Day workshop on Advanced Materials Synthesis, Characterization and processing	FETMJP Rohilkhand University Bareilly	14-16 th February 2019
7	Conducting polymers as sensors	3 Day workshop on Advanced Materials Synthesis, Characterization and processing	FETMJP Rohilkhand University Bareilly	14-16 th February 2019
8	Engineering Physics -1	Induction Program for First year B.Tech Students	FETMJP Rohilkhand University Bareilly	25 th July 2019
9	Engineering Physics -1	Induction Program for First year B.Tech Students	FETMJP Rohilkhand University Bareilly	26 th July 2019

10	Synthesis and characterization of conducting polymers for sensors applications	Faculty Development programme on “Recent Advances in Science and Technology - 2020” held during August 17 - 21, 2020	Don Bosco Institute of Technology, Bangalore	19 th August 2020
11	Synthesis and characterization of conducting polymers for sensors applications	Two Days National Level Online Faculty Development Program on “Current Trends In Research”	Tontadarya College of Engineering, Gadag.	20 th August 2020
12	Synthesis of conducting polymers for sensors applications	AICTE Sponsored Two-week online Faculty Development program on Advanced Physics for Engineers	Thanthai Periyar Government Institute of Technology Vellore – 632 002. Tamil Nadu. India.	9 th November 2020
13	Synthesis of conducting polymers for sensors applications	AICTE Sponsored Two-week online Faculty Development program on Advanced Physics for Engineers	Thanthai Periyar Government Institute of Technology Vellore – 632 002. Tamil Nadu. India.	30 th November 2020
14	Synthesis and characterization of conducting polymers for sensors applications	Faculty Development programme on “Advanced materials and their technological relevance - 2021” held during November 23 - 27, 2021	Don Bosco Institute of Technology, Bangalore	25 th November 2021
15	Conducting polymers for sensors applications	National conference on Advances in Materials Science (NCAMS – 2022)	Reva University, Bengaluru	16 th December 2022
16	Selection of Research Problem and Benefits of Publications	One day Seminar in association with IQAC	APS College of Arts and Science, Bengaluru	28 th August 2023
17	Synthesis and characterization of conducting polymers for sensors applications	2–Days workshop on “Introduction to composite materials and their applications”	RNS Institute of Technology, Bangalore	23-24 February 2024

Invited Talks Delivered

Sl. No	Topic Delivered	Name of the Conference/ Workshop/ Seminar etc.	Place	Date
1	Lasers and its applications	National Science Day	Govt. First Grade College, Devanahalli, Bangalore	28 th Feb 2014
2	Lasers systems and applications	Applied Physics Course Training	CMTI, Bangalore	3 rd July 2014
3	Piezoelectric materials	Applied Physics Course Training	CMTI, Bangalore	3 rd July 2014
4	Lasers – Construction working and applications	Science Forum	Govt. First Grade College for women, Jhamakhandi, Bagalakot	1 st October 2016
5	Conducting polymers for sensors applications	Science Forum	S S Margol College of Arts, Science and Commerce, Shahabad, Kalaburgi Dist	11 th March 2019

Session Chaired in National / International Conferences

SNo	Name of the Conference/ Workshop/ Seminar	Place	Date
1	International Conference on Transformations in Engineering Education ICTIEE – 2015,	BMS College of Engineering, Bangaluru	6 th January 2015
2	International Conference on Transformations in Engineering Education ICTIEE – 2015,	BMS College of Engineering, Bangaluru	7 th January 2015
3	National Conference on Modern Materials, Devices and Applications	Maharaani Science College for Women, Bengaluru	7 th and 8 th January 2016
4	International conference on Advances in Materials Manufacturing Applications – IConAMMA – 2016	Amrutha School of Engineering, Amrutha Vishwa Vidyapeetham University, Bengaluru Campus	16 th July 2016
5	ICPAM 2017: 19 th International Conference on Polymers and Advanced Materials,	World academy of Science, Engineering and Technology, Singapore	8 th to 9 th January 2017

Papers Published in Peer Reviewed Journals

Sl.	Research publications in referred journals
1.	<p>Sustainable Corrosion Inhibitors from Pharmaceutical Wastes: Advancing Energy-Efficient Chemistry with Green Solutions Narasimha Raghavendra, Sharanappa Chapi, Murugendrappa M. V, Małgorzata Pawlak, and Mohammad Reza Saeb Energies, 2025, 18, 224 https://doi.org/10.3390/en18020224</p>
2.	<p>Exploring the charge transport mechanism, electrical conductivity, and dielectric properties of polyaniline/tin sulfide nanocomposites Basheerabegum Faniband, S. Sarvesh Chandra, Jayadev Pattar, H. N. Anil Rao, R. Sreekanth, K. Mahendra, M. V. Murugendrappa, Sanna Kotrappanavar Nataraja, M. Nagaraja Polymer Composites. 2025; 1–12. https://doi.org/10.1002/pc.29478</p>
3.	<p>Impact of Compatibilizer on the Electrical and Thermal Characteristics of Areca Fibre-Filled Polypropylene Composites Madhushri Attihalli Venkatachalaiah, Raju Nama Vasudeva Setty, Jobish Johns, Gajanan V. Honnavar, M. V. Murugendrappa Fibers and Polymers https://doi.org/10.1007/s12221-024-00791-2</p>
4.	<p>Cobalt-Based Materials in Supercapacitors and Batteries: A Review Jyothi A. Goudar, Thrinethra S. N., Sharanappa Chapi, Murugendrappa M. V, Mohammad Reza Saeb, and Mehdi Salami-Kalajahi Advanced Energy and Sustainability Research, 2400271 (1 to 61), 2024 https://doi.org/10.1002/aesr.202400271</p>
5.	<p>AC Conductivity, Dielectric and Structural Properties of $\text{Co}_{0.6}\text{Zn}_{0.4-x}\text{Mg}_x\text{Fe}_2\text{O}_4$ Co-Zn Spinel Nano Ferrites Prepared using Sol-gel Autocombustion Method Pushpa N. Awanti, Murugendrappa M V, Sharanappa Chapi, Shridhar N. Mathad, R.B. Konda, Shivraj G. Gounhalli Asian Journal of Chemistry, Vol. 36, Issue 12, 2024 https://doi.org/10.14233/ajchem.2024.32780</p>
6.	<p>Tragacanth Gum/Trimethyl Chitosan-Derived Polyelectrolyte Complex as Potential Carriers in Drug Delivery Applications Gangadhar Babaladimath, Sharanappa Chapi, Murugendrappa M V, Hanamanta Badiger, Anjanapura V. Raghu Polymers for Advanced Technologies, 2024; 35:e6632, https://doi.org/10.1002/pat.6632</p>
7.	<p>Temperature-dependent dielectric measurements of polypyrrole/zinc cobalt oxide nanocomposites by impedance spectroscopy Sutar Rani Ananda, Latha Kumari, Murugendrappa M.V. Journal of Alloys and Compounds, 1009, 2024, 176894,</p>

	https://doi.org/10.1016/j.jallcom.2024.176894
8.	Structural, morphological, magnetic, and dielectric properties of copper-substituted $Cu_xZn_{(1-x)}Fe_2O_4$ nanoparticles: Green synthesis G Harisha, R Thejas, B V Padmini, C R Devaraja, M. V. Murugendrappa and K M Rajashekara Journal of Metals, Materials and Minerals , 34(3), 1955, 2024 https://doi.org/10.55713/jmmm.v34i3.1955
9.	Photophysical studies on donor-p-acceptor substituted 1,3,4-oxadiazole derivatives for optoelectronic application: experimental and theoretical analysis A K Maniyar, Nadaf Y F, Syed Khasim and Taymour A Hamdallah and M. V. Murugendrappa Journal of Optics , 2024 https://doi.org/10.1007/s12596-024-02023-5
10.	Microwave-Assisted Tragacanth Gum–Based Grafted Silver Nanocomposite Hydrogel for Sustained Release Formulations of Diclofenac Sodium and Antibacterial Assay Sharanappa Chapi, Gangadhar Babaladimath, M. V. Murugendrappa and Anjanapura V. Raghu Nano Select , 2024; 0:e202300200 https://doi.org/10.1002/nano.202300200
11.	Investigation on the Influence of Solvents Environment on the Optoelectronic Properties of the Fluorescent Probe 1,3,4-Oxadiazole Analogues: A Combined Theoretical and Experimental Study A K Maniyar, Nadaf Y F, Bandar Ali Al-Asbahi and M. V. Murugendrappa Journal of Fluorescence , 2024 https://doi.org/10.1007/s10895-024-03822-6
12.	Enhanced structural, electrical, and electrochemical performance of polyethylene oxides (PEO)-based polymer electrolytes for solid state K^+ ion batteries Sharanappa Chapi, M. V. Murugendrappa, Ashwini Rayar, Gangadhar Babaladimath, Narasimha Raghavendra, Mohsen Khodadadi Yazdi, Jacek Ryl, Mohammad Reza Saeb Journal of Applied Polymer Science , 2024, e55390. https://doi.org/10.1002/app.55390
13.	Synthesis and characterization of PANI-CZF nanocomposites for enhanced electromagnetic interference shielding G. Harisha, D. R. Rangaswamy, R. Thejas, C. Devaraja, M. Revanasiddappa, M. V. Murugendrappa, and K. M. Rajashekara Journal of Materials Science: Materials in Electronics , Volume 35, 391, (2024) https://doi.org/10.1007/s10854-024-12086-6
14.	Organic conjugated polymers and their nanostructured composites: Synthesis methodologies and electrochemical applications Ashwini Rayar, Sharanappa Chapi, M.V. Murugendrappa, G. Babaladimath, K.N. Harish, Raghava Reddy Kakarla, Anjanapura V. Raghu Nano-Structures & Nano-Objects , Volume 37, February 2024, 101102 https://doi.org/10.1016/j.nanoso.2024.101102
15.	An impact of RGO on the ZnO nanoparticles: structural, morphological, electrical, and gas sensing properties

	<p>Kiranakumar H.V, Naveen C. S, Thejas R, G. D Prasanna, Nagaraju G & Murugendrappa M. V Sensing Technology 2024, Vol. 2, No. 1, 2310479 https://doi.org/10.1080/28361466.2024.2310479</p>
16.	<p>Green color emitting pure cubic zirconia nano phosphor synthesized by solution combustion technique A. Sangeetha, Adithi Ambli, B. M. Nagabhushana & M. V. Murugendrappa Journal of Nanoparticle Research, Volume 26, article number 18, (2024) https://doi.org/10.1007/s11051-023-05923-y</p>
17.	<p>Utilization of Aloe vera-infused Sm³⁺ doped La₂MoO₆ nanophosphors: Their role in anti-counterfeiting, white LEDs and transport properties K.R. Bhagya, K.R. Jyothi, B.R. Radha Krushna, S.C. Sharma, Nandini Robin Nadar, M.V. Murugendrappa, Usha Carounanidy, Pusparaj Samanthsinghar, Dileep Francis, H. Nagabhushana Ceramics International xxx (2024) 1–11 https://doi.org/10.1016/j.ceramint.2023.12.290</p>
18.	<p>Exploration of structural and morphological characteristics of Ag²⁺ substituted Zn-CuFe₂O₄ nanoparticles by green synthesis G. Harisha, C. Devaraja, R. Thejas, M.V. Murugendrappa, K.M. Rajashekara, J. Kaewkhao, R. Rajaramakrishna Nano-Structures & Nano-Objects 36 (2023) 101058 https://doi.org/10.1016/j.nanoso.2023.101058</p>
19.	<p>A Study on Structural, Electrical and Ethanol Sensing Properties of RGO Substituted SnO₂ Nanoparticles H. V. Kiranakumar, C. S. Naveen, R. Thejas, G. D. Prasanna, G. Nagaraju, K. Swaroop and M. V. Murugendrappa Journal of Mines, Metals and Fuels, 71(8) : 1074-1080; 2023. https://doi.org/10.18311/jmmf/2023/35232</p>
20.	<p>Structural, AC conductivity, dielectric and impedance studies of polypyrrole/praseodymium calcium manganite nanocomposites Meti Bharathi, K N Anuradha & M V Murugendrappa Digest Journal of Nanomaterials and Biostructures, Vol. 18, No. 1, January - March 2023, p. 343 – 365, https://doi.org/10.15251/DJNB.2023.181.343</p>
21.	<p>Structural, DC Conductivity and Electric Modulus Studies of Polypyrrole Praseodymium Manganite Nanocomposites Meti Bharathi, K N Anuradha & M V Murugendrappa Indian Journal of Pure & Applied Physics, Vol. 61, March 2023, pp. 165-174 https://doi:10.56042/ijpap.v61i3.70065</p>
22.	<p>Studies on room-temperature acetone sensing properties of ZnCo₂O₄/PPy and MnCo₂O₄/PPy nanocomposites for diabetes diagnosis Rani Ananda Sutar, Latha Kumari and Murugendrappa M. V. Springer: Applied Physics A (2022) 128:669, https://doi.org/10.1007/s00339-022-05792-7</p>

23.	Effect on electrical and dielectric properties of Te Nano-particle doped PVA composite V Sanjay, K M Rajashekara, Vinayak Pattar and M.V. Murugendrappa Springer: Journal of Materials Science: Materials in Electronics, 01 July 2022 https://doi.org/10.1007/s10854-022-08618-7
24.	Enhanced gas-sensing performance at room temperature and electrical properties of polyaniline–Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ nanocomposites R Thejas, GD Prasanna, G Nagaraju, CS Naveen and M.V. Murugendrappa SAGE Journals: J Process Mechanical Engineering: Part E, May 16, 2022 https://doi.org/10.1177/09544089221100778
25.	Investigation of temperature-dependent conduction mechanism in MnCo ₂ O ₄ /polypyrrole nanocomposites by three-dimensional variable range hopping (3D-VRH) and band-conduction model Rani Ananda Sutar, Latha Kumari and Murugendrappa M. V. Journal of Applied Physics 130, 015112, July 2021; https://doi.org/10.1063/5.0039671
26.	Dy ³⁺ doped Y ₂ MoO ₆ nanopowders for white light emission: Spectroscopic and transport properties for optoelectronic and energy harvesting applications K.R. Bhagya, R.B. Basavaraj, K.R. Jyothi, H. Nagabhushana, M.V. Murugendrappa, A. P. Gnana Prakash, N.M. Nagabhushana, Vinayakprasanna N. Hegde Elsevier : Colloid and Interface Science Communications , 43, July 2021, 100447 https://doi.org/10.1016/j.colcom.2021.100447
27.	Three-Dimensional Variable Range Hopping and Thermally Activated Conduction Mechanism of Polypyrrole/Zinc Cobalt Oxide Nanocomposites Rani Ananda Sutar, Latha Kumari and Murugendrappa M. V. ACS Publications: The Journal of Physical Chemistry C , 2021, 124, 39, 21772–21781, September 8, 2020, https://doi.org/10.1021/acs.jpcc.0c05889
28.	Facile Use of Silver Nanoparticles-Loaded Alumina/Silica in Nanofluid Formulations for Enhanced Catalytic Performance toward 4-Nitrophenol Reduction Rashmi Mannu, Vaithinathan Karthikeyan, Murugendrappa Malalkere Veerappa, Vellaisamy A. L. Roy, Anantha-Iyengar Gopalan, Gopalan Saianand, Prashant Sonar, Binrui Xu, Kwang-Pill Lee, Wha-Jung Kim, Dong-Eun Lee, Venkatramanan Kannan MDPI: International Journal of Environmental Research and Public Health , 2021, 18, 2994. https://doi.org/10.3390/ijerph18062994
29.	Synthesis and characterization of WO ₃ -doped polyaniline to sense biomarker VOCs of Malaria P. Jisha, M. S. Suma and M. V. Murugendrappa Springer: Applied Nanoscience 11, 29–44 Sept. 2021. https://doi.org/10.1007/s13204-020-01551-3
30.	Fabrication, characterization, and malaria biomarker VOC-sensing properties of WO ₃ -doped polyaniline P. Jisha, M. S. Suma, M. V. Murugendrappa and Sutar Rani Ananda Springer: Journal of Materials Science: Materials in Electronics , Issue 8, April 2021, Impact factor 2.478 (2020) https://doi.org/10.1007/s10854-021-05794-w

31.	<p>Effect of Cobalt Aluminum Oxide Nanoparticles on the Structural, DC Conductivity and Humidity Sensing Properties of Polypyrrole Sutar Rani Ananda and M.V.Murugendrappa Taylor and Francis: Journal of Macromolecular Science, Part B, VOL. 59, NO. 12, 821–835, 2020, ISSN: 0022-2348 (Print) 1525-609X (Online), Impact Factor: 0.911 and Q3 Journal https://doi.org/10.1080/00222348.2020.1807691</p>
32.	<p>Temperature-dependent transport properties of micro and nano-sized zinc cobalt oxide (ZnCo₂O₄) and zinc manganese oxide (ZnMn₂O₄) particles synthesized by a hydrothermal route. Sutar Rani Ananda, Latha Kumari and M.V.Murugendrappa Elsevier : Ceramics International, Volume 46, Issue 14, October 2020, Pages 22492-22503 ISSN: 02728842 Impact Factor: 3.45 and Q1 Journal https://doi.org/10.1016/j.ceramint.2020.06.009</p>
33.	<p>A study on the effect of PVDF on the structural and transport properties of polyaniline P. Jisha, M. S. Suma, M. V. Murugendrappa & Kalyan Raj Taylor and Francis: International Journal of Polymer Analysis and Characterization, 2020, VOL. 25, NO. 4, 176–187 DOI:10.1080/1023666X.2020.1779431</p>
34.	<p>Synthesis and characterization of advanced functional dysprosium doped Sr₂MgSi₂O₇ nanopowders for white LED application K.R.Jyothi, K.R.Bhagya, H.Nagabhushana, A.P.Gnana Prakash, Vinayakprasanna Murugendrappa M V, N.Hegde Daruka Prasad B, N.M.Nagabhushana Elsevier : Physica B: Physics of Condensed Matter, Volume 590, 23 April 2020, Pages 412195, with Impact Factor: 1.874, https://doi.org/10.1016/j.physb.2020.412195</p>
35.	<p>Structural, thermal and electrical properties of polypyrrole filled with ternary oxide cerium aluminate Sutar Rani Ananda and M.V. Murugendrappa Int. J. Microstructure and Materials Properties, Inderscience Enterprises Ltd Vol. 15, No. 2, 2020, pp 141-154, https://doi.org/10.1504/IJMMP.2020.106924</p>
36.	<p>Facile green synthesis, characterization and transport properties of LiAlSiO₄:Ce³⁺ nanocomposites K.R.Jyothi, K.R.Bhagya, H.Nagabhushana, A.P.Gnana Prakash, Vinayakprasanna N.Hegde N.M.Nagabhushana Elsevier : Ceramics International, Volume 46, Issue 7, May 2020, Pages 9706-9713 ISSN: 02728842 Impact Factor: 3.45 and Q1 Journal https://doi.org/10.1016/j.ceramint.2019.12.238</p>
37.	<p>Effect of rare earth oxide nanoparticles on the photoluminescence and conductivity properties of PVA films S N Madhuri, M.V. Murugendrappa and K Rukmani AIP Conference Proceedings 2265, 030048, November 2020; https://doi.org/10.1063/5.0017068</p>
38.	<p>Conduction and Relaxation Mechanisms in Gadolinium Oxide Nanoparticle Doped Polyvinyl Alcohol Films. S N Madhuri, M.V. Murugendrappa and K Rukmani</p>

	Elsevier : Materials Today Communications , Volume 23, June 2020, 100942, https://doi.org/10.1016/j.mtcomm.2020.100942
39.	Enhanced Charge Transport and Corrosion Protection Properties of Polyaniline–Carbon Nanotube Composite Coatings on Mild Steel T. Rajyalakshmi, Apsar Pasha, Syed Khasim, Mohana Lakshmi, M. V. Murugendrappa & Nacer Badi Springer: Journal of Electronic Materials , 49, pages 341–352 (2020) ISSN 0361-5235, Impact Factor: 1.676 and Q2 Journal, DOI 10.1007/s11664-019-07783-6
40.	Effect of Sn Doping at Sb Sites on the Structural and Optical Properties of Co ₂ Sb ₆ Nanostructures M. Uday Kumar, R. Swetha, M.V. Murugendrappa and Latha Kumari AIP Conference Proceedings 2162, 020054 (2019); https://doi.org/10.1063/1.5130264 Published Online: 29 October 2019
41.	Room temperature ac conductivity, dielectric properties and impedance analysis of polypyrrole-zinc cobalt oxide (PPy/ZCO) composites Sutar Rani Ananda, LathaKumari and M.V.Murugendrappa Elsevier : Physica B: Condensed Matter , Volume 573, 15 November 2019, Pages 36-44, with Impact Factor: 1.874 and Q2 Journal https://doi.org/10.1016/j.physb.2019.07.011
42.	Structural, Electrical, Thermal and Transport Properties of Poly Pyrrole /La _{0.7} Ca _{0.3} MnO ₃ Perovskite Manganite Nano Composite Studies Above Room Temperature Smitha M G and Murugendrappa M V Springer: Journal of Inorganic and Organometallic Polymers and Materials , with Impact Factor: 1.673 and Q2 Journal, https://doi.org/10.1007/s10904-019-01241-w
43.	Effect of barium lanthanum manganite nano particle on the electric transport properties of polypyrrole at room temperature Smitha M G and Murugendrappa M V Springer: Journal of Materials Science: Materials in Electronics , Volume 30, Issue 11, pp 10776–10791, with Impact Factor: 2.324 and Q2 Journal, https://doi.org/10.1007/s10854-019-01421-x
44.	Synthesis, characterization and weight percent effect on humidity sensing properties of Polypyrrole/AlCeO ₃ (PPy/ACO) nanocomposites Sutar Rani Ananda and Murugendrappa M.V Taylor and Francis: Journal of Fullerenes, Nanotubes and Carbon Nanostructures , ISSN: 1536-383X (Print) 1536-4046 (Online) 2019, VOL. 27, NO. 5, 423–433, https://doi.org/10.1080/1536383X.2019.1593966 (Impact factor: 1.011)
45.	Dielectric relaxation, complex impedance analysis and magnetic properties of nickel substituted calcium nano ferrites for high frequency applications Shankar, P., Bhavyashri, Murugendrappa, M.V., Prakash, C.S., Manohara, S.R. Journal of Computational and Theoretical Nanoscience , Vol. 15, Issue 43781, pp 3608-3615, https://doi.org/10.1166/jctn.2018.7673

46.	Optical band gap determination of calcium doped lanthanum manganite nano particle tailored with polypyrrole Smitha M.G and Murugendrappa M.V AIP Conference Proceedings 1966, 020012 pp 1-8, 2018, https://doi.org/10.1063/1.5038691
47.	Lab Scale Study on Humidity Sensing and D.C. Conductivity of Polypyrrole/Strontium Arsenate ($\text{Sr}_3(\text{AsO}_4)_2$) Ceramic Composites Sangappa K Ganigera and Murugendrappa M.V Springer: Polymer Science Series B , Print ISSN: 1560-0904, Online ISSN: 1555-6123, Vol. 60, No. 3, pp. 395–404, 2018 (Impact Factor = 0.735), https://doi.org/10.1134/S1560090418030119
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49.	Study of dielectric properties of polypyrrole/titanium dioxide and polypyrrole/titanium dioxide-MWCNT nano composites V. B. Aaditya, B. M. Bharathesh, R. Harshitha, B. V. Chaluvvaraju, U. P. Raghavendra and M. V. Murugendrappa Elsevier: Journal of Materials Science: Materials in Electronics, Print ISSN: 0957-4522, Online ISSN: 1573-482X, Volume 29, Issue 4, pp 2848–2859, February 2018 (Impact Factor: 2.019), https://doi.org/10.1007/s10854-017-8214-6 ,
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Sl.	Research publications in ISSN journals
1.	<i>Structural and Dielectric Investigations of Cerium Stabilized Zirconia ($Zr_{1-x}Ce_xO_2(x=0-0.05)$) Nanocrystals Blended by Wet Chemical Method</i> H.C. Madhusudhana, S.N. Shobhadevi, B.M. Nagabhushana, R. Hari Krishna, M.V. Murugendrappa, H. Nagabhushana, UGC Approved Journal, Journal of Nanoscience and Technology, Volume 5, Issue 2, 2019 Pages 649 - 654 by JACS Directory of United States, https://doi.org/10.30799/jnst.220.19050201
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Sl.	Research Papers Presented in National and International Conferences
1.	<i>Dielectric Studies of Polyethylene glycol and its salt complexes</i> M V Murugendrappa, Syed Khasim and M V N Ambika Prasad Presented in The Material Research Society of India, Gujarat Chapter, 11 th Annual General Meeting of MRSI conducted at M S University, Baroda (Gujarat) during 3 rd to 5 th Feb. 2000.
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4.	<i>Surface Morphology and ac conductivity behavior of polypyrrole – fly ash composites</i> M V Murugendrappa, Syed Khasim, M Revasiddappa, S C Raghavendra and M V N Ambika Prasad.

	Presented in DAE Solid State Physics Symposium held at Jiwaji University, Gwalior during 26 th to 30 th Dec. 2003.
5.	<i>Synthesis and Conductivity Studies of Polypyrrole – γ-Fe₂O₃ Composites</i> M V Murugendrappa, Syed Khasim, M Revanasiddappa and M V N Ambika Prasad. Presented in National Conference on Current Trends in Condensed Matter Research held at University of Arts and Science College, Warangal, AP during 20 th to 22 nd Sept. 2004.
6.	<i>Synthesis and AC Conductivity Studies of Polypyrrole – BaTiO₃ Composites</i> M V Murugendrappa, Syed Khasim, M Revanasiddappa and M V N Ambika Prasad. Presented in XIII National Seminar on Ferroelectrics and Dielectrics held at Department of Physics and Astrophysics, University of Delhi, New-Delhi during 23 rd to 25 th Nov. 2004.
7.	<i>Transport Properties of Polianiline – BaTiO₃ Composites</i> Syed khasim, Murugendrappa M V, Sangashetty K and M V N Ambika Prasad. Presented in XIII National Seminar on Ferroelectrics and Dielectrics held at Department of Physics and Astrophysics, University of Delhi, New-Delhi from 23 rd to 25 th Nov. 2004.
8.	<i>Synthesis, Characterization and Dielectric Properties of Polianiline – Dysprosium Oxide Composites</i> K Sangashetty, Syed khasim, P Narasimha, Murugendrappa M V, M Revasiddappa, S C Raghavendra and M V N Ambika Prasad. Presented in XIII National Seminar on Ferroelectrics and Dielectrics held at Department of Physics and Astrophysics, University of Delhi, New-Delhi from 23 rd to 25 th Nov. 2004.
9.	<i>Synthesis and Characterization of Polypyrrole – nano Fly ash Composites</i> M V Murugendrappa, Syed Khasim, and M V N Ambika Prasad. Presented in International Symposium on Advanced Materials and Processing held at Materials Science Center, Indian Institute of Technology, Kharagpur during 6 th to 8 th Dec. 2004
10.	<i>DC Conductivity Studies of Polypyrrole Fly Ash Composites</i> Murugendrappa M V, Syed Khasim, Narsimha Parvatikar, Sangashetty K, Raghavendra S. C, Revanasiddappa M and M V. N. Ambika Prasad. Presented in 16 th AGM of MRSI and Symposium on Materials for Automotive Industries held at National Chemical Laboratory, University of Pune, Pune during 9 th to 12 th Feb. 2005.
11.	<i>Synthesis, Characterization and Transport Properties of Polyaniline Cerium Oxide Composites</i> Narsimha Parvatikar, Syed Khasim, Murugendrappa M V, Sangashetty K, Raghavendra S C, Revanasiddappa M and M V N Ambika Prasad. Presented in 16 th AGM of MRSI and Symposium on Materials for Automotive Industries held at National Chemical Laboratory, University of Pune, Pune during 9 th to 12 th Feb. 2005.
12.	<i>Synthesis, Characterization and Studies of Polypyrrole Vanadium Pentaoxide Composites</i> Ameena Parveen, Murugendrappa M V, Narsimha Parvatikar, Syed Khasim, and M V N Ambika Prasad. Presented in 16 th AGM of MRSI and Symposium on Materials for Automotive Industries held at National Chemical Laboratory, University of Pune, Pune during 9 th to 12 th Feb. 2005.
13.	<i>Synthesis, Characterization and DC Conductivity Studies of Polypyrrole – BaTiO₃ Composites</i>

	<p>M V Murugendrappa, M Revanasiddappa and M V N Ambika Prasad. Presented in National Seminar on Advances in Materials Science (AMS-06) held at Department of Materials Science, Gulbarga University, Gulbarga during 9th to 10th Jan. 2006</p>
14.	<p><i>Magnetic Properties of Polyaniline-Fe₂O₃ Composites</i> Syed khasim, Sangashetty K, Murugendrappa M V and M V N Ambika Prasad Presented in Seminar on Advances in Materials Science (AMS-06) held at Department of Materials Science, Gulbarga University, Gulbarga during 9th to 10th Jan. 2006</p>
15.	<p><i>Synthesis, Characterization and Studies of Polypyrrole and Vanadium Pentaoxide Composites</i> Ameena Parveen, Murugendrappa M V, Narsimha Parvatikar and M V N Ambika Prasad Presented in Seminar on Advances in Materials Science (AMS-06) held at Department of Materials Science, Gulbarga University, Gulbarga during 9th to 10th Jan. 2006.</p>
16.	<p><i>Dielectric Spectroscopy Of Polypyrrole – BaTiO₃ Composites</i> Murugendrappa M V and M V N Ambika Prasad Presented in National conference on Advances in Materials Science (AMS-2007) held at Department of Materials Science, Gulbarga University, Gulbarga during 27th to 28th Jan. 2007</p>
17.	<p><i>Synthesis and DC conductivity studies of polypyrrole – V₂O₅ composites</i> Murugendrappa M V and M V N Ambika Prasad Presented in UGC Sponsored National conference on Recent Trends on Nanoscience and Green Chemistry held at S S Margol College of arts, Science & Commerce, Shahabad, Gulbarga dist. during 23rd to 24th Oct. 2009.</p>
18.	<p><i>Synthesis and AC conductivity studies of polypyrrole – V₂O₅ composites</i> Murugendrappa M V and M V N Ambika Prasad Presented in National Conference on Engineering of Materials through energetic particles (NCEMEP) held at Bahubali College of Engineering, Gommata Nagar, Shravanabelagola, Hassan dist. during 8th to 10th April 2010.</p>
19.	<p><i>Dielectric spectroscopy of conducting polymer and ferroelectric composites</i> Murugendrappa M V and M V N Ambika Prasad Presented in International conference on Recent Advances in Materials Science (RAMS – 2012) Organized by Karnataka State Higher Education Council, Bangalore during 6th, 7th and 8th November 2012.</p>
20.	<p><i>Study of the Photo-induced effects on Smectic Liquid Crystals</i> Murugendrappa M V and Suresh B L Presented in National Conference on “Emerging Trends in Materials Science” Organized by Department of Physics, S Nijalingappa College, Bangalore on 26th March 2013</p>
21.	<p><i>Preparation, Characterization and I-V Characteristics Studies of Polypyrrole /Molybdenum trioxide Composites</i> Chaluvvaraju B V, Sangappa K Ganiger and Murugendrappa M V Presented in National Conference on NCSEA-2014, organized by SJEC, Vamanjoor, Mangalore, from 17th and 18th July 2014.</p>
22.	<p><i>Synthesis and current study of polypyrrole / strontium arsenate (ceramic) composites.</i></p>

	<p>Sangappa K Ganiger, Chaluvvaraju B V and Murugendrappa M V Presented in first National Conference on PSCSTP-14, organized by Karnataka Science College, Dharwad, from 10th and 11th October 2014.</p>
23.	<p><i>Shift towards student-centered learning in Engineering Physics Lab -A case study</i> Murugendrappa M V and T renuka Presented in Second International Conference on Transformations in Engineering Education ICTIEE – 2015, organized by BMS College of Engineering, Bengaluru, from 6th to 8th January 2015.</p>
24.	<p><i>Synthesis and D. C. Conductivity Study of Polypyrrole/Strontium Arsenate (Ceramics) Nano Composites</i> Sangappa K Ganiger, Chaluvvaraju B V and Murugendrappa M V Presented in “KSTA Regional Conference on SCIENCE & SOCIETY” jointly organized by Veerashaiva College, Ballari and Karnataka Science and Technology Academy (KSTA), Dept. of Science and Technology, Govt. of Karnataka, Bengaluru, Karnataka, India, from 16th - 17th, January-2015</p>
25.	<p><i>Synthesis, Characterization and D. C. Conductivity Study of Polypyrrole/Zinc Tungstate (Ceramics) Nano Composites</i> Sangappa K Ganiger, Chaluvvaraju B V, Smitha M G and Murugendrappa M V Presented in National conference on “Advanced Nanotechnology and its Applications (NCOANA-2015)” organized by Department of Chemistry, Maharani’s Science College for Women, Palace Road, Bengaluru - 560001, Karnataka, India, from 22nd - 24th, January-2015.</p>
26.	<p><i>Synthesis and DC conductivity of Polypyrrole – Nickel Zinc Iron Oxide Nanocomposites.</i> V.S. Shanthala, S.N. Shobha Devi, M. V. Murugendrappa, H. Nagabhushana Presented in National Conference on Advanced Functional Materials, Organized at Dayanand Sagar Institutions, Bengaluru from 4th - 5th December, 2015.</p>
27.	<p><i>Course Outcomes in a Heterogeneous Population of Students and Faculty for Engineering Physics Course-A case study</i> B L Suresha, M. V. Murugendrappa, Latha Kumari, K E Ganesh, K Ravishankar, T S Pranesha Presented in Third International Conference on Transformations in Engineering Education ICTIEE – 2016, organized at College of Engineering, Pune, from 9th to 12th January 2016.</p>
28.	<p><i>Synthesis and AC- conductivity Studies of Polypyrrole/ Praseodymium Calcium Manganite Oxide Nanocomposites</i> Meti Bharathi, Murugendrappa M V, K N Anuradha and T S Reddy Presented in the International Conference on Nanotechnology, ICNANO-2016 organized by Department of Nanotechnology, Visvesvaraya Technological University at Muddenahalli, from 21st to 23rd April 2016.</p>
29.	<p><i>Experimental studies on dielectric properties of the polypyrrole/ash (paddy husk) nano composites,</i> Chaluvvaraju B V, T S Pranesha and Murugendrappa M V,</p>

	Presented in Visvesvaraya Technological University and ISTE Sponsored National Conference on “Recent Advances in Applied Sciences (RAAS-2016)” organized on 25 th , April-2016 by Department of Science and Humanities at AMC College of Engineering, Bannerghatta Road, Bengaluru - 560083, Karnataka, India.
30.	<i>Experimental study on a. c. conductivity of the polypyrrole/ash (paddy husk) nano-composites,</i> Chaluvaraju B V, Sangappa K Ganiger, T S Pranasha and Murugendrappa M V, Presented in “International Conference on Advance Materials and Applications (ICAMA-2016)” organized from 16 to 17 June 2016 by Centre of Excellence in Advanced Materials Research at B. M. S. College of Engineering, Bengaluru - 560019, Karnataka, India.
31.	<i>A feasibility study on polypyrrole/zinc tungstate (ceramics) nano composites for D.C conductivity and as a humidity sensor,</i> Sangappa K Ganiger, Chaluvaraju B V, and Murugendrappa M V, Presented in “International Conference on Advance Materials and Applications (ICAMA-2016)” organized from 16 to 17 June 2016 by Centre of Excellence in Advanced Materials Research at B. M. S. College of Engineering, Bengaluru - 560019, Karnataka, India.
32.	<i>Synthesis, characterization and Electrical Susceptance studies of Polypyrrole/La_{0.7}Ca_{0.3}MnO₃ Nano composites,</i> Smitha M G, Chaluvaraju B V, Anuradha K N and Murugendrappa M V Presented in “International Conference on Advance Materials and Applications (ICAMA-2016)” organized from 16 to 17 June 2016 by Centre of Excellence in Advanced Materials Research at B. M. S. College of Engineering, Bengaluru - 560019, Karnataka, India.
33.	<i>Review paper on polypyrrole based nano ceramic composites</i> Mytreyei S and Murugendrappa M V Presented in International Conference on Advance Materials and Applications (ICAMA-2016) organized from 16 to 17 June 2016 by Centre of Excellence in Advanced Materials Research at B. M. S. College of Engineering, Bengaluru - 560019, Karnataka, India.
34.	<i>Influence of Nickel zinc Iron oxide Nanoparticles on AC Conductivity and Dielectric Properties of Polypyrrole</i> V S Shanthala, S N Shobha Devi and Murugendrappa M V Presented in International Conference on Advance Materials and Applications (ICAMA-2016) organized from 16 to 17 June 2016 by Centre of Excellence in Advanced Materials Research at B. M. S. College of Engineering, Bengaluru - 560019, Karnataka, India.
35.	<i>Synthesis and characterization of polypyrrole/praseodymium calcium manganite oxide nano composites</i> Meti Bharathi, Murugendrappa M V, K N anuradha, T S Reddy, Kenchamarappa and Arjun B Presented in International Conference on Advance Materials and Applications (ICAMA-2016) organized from 16 to 17 June 2016 by Centre of Excellence in Advanced Materials Research at B. M. S. College of Engineering, Bengaluru - 560019, Karnataka, India.
36.	<i>Impedance study of synthesized Cobalt Aluminum Oxide/ Polypyrrole Nano-composites</i>

	<p>Rani A Sutar and Murugendrappa M V</p> <p>Presented in “International Conference on Advance Materials and Applications (ICAMA-2016)” organized from 16 to 17 June 2016 by Centre of Excellence in Advanced Materials Research at B. M. S. College of Engineering, Bengaluru - 560019, Karnataka, India.</p>
37.	<p><i>Experimental Studies of D.C. Conductivity and Thermo Electric Power of Polypyrrole/Titanium Dioxide Nano Composites,</i></p> <p>Aaditya V B, Akhil D Prabhu, Bharathesh B M, Chaluvvaraju B V, Raghavendra U P, Thipperudrappa J and Murugendrappa M V,</p> <p>Presented in International Conference on Smart Engineering Materials [ICSEM-2016] held from 20th to 22nd, October-2016 organized by R V College of Engineering, Bengaluru-560059, Karnataka, India.</p>
38.	<p><i>Chemically Synthesized Polypyrrole/Titanium Dioxide-MWCNT (PTM) Nano Composites for Experimental Studies of D.C. Conductivity and Thermo Electric Power,</i></p> <p>Bharathesh B M, Aaditya V B, Akhil D Prabhu, Chaluvvaraju B V, Raghavendra U P and Murugendrappa M V</p> <p>Presented in International Conference on Smart Engineering Materials [ICSEM-2016] held from 20th to 22nd, October-2016 organized by R V College of Engineering, Bengaluru-560059, Karnataka, India.</p>
39.	<p><i>A.C. Conductivities of Polypyrrole/Titanium Dioxide and Polypyrrole/ Titanium Dioxide-MWCNT Nano Composites: A Comparative Study,</i></p> <p>Akhil D Prabhu, Bharathesh B M, Aaditya V B, Chaluvvaraju B V, Raghavendra U P and Murugendrappa M V,</p> <p>Presented in International Conference on Smart Engineering Materials [ICSEM-2016] held from 20th to 22nd, October-2016 organized by R V College of Engineering, Bengaluru-560059, Karnataka, India.</p>
40.	<p><i>Synthesis, Characterization and Impedance Analysis of Polypyrrole / La_{0.7}Ca_{0.3}MnO₃ Nanocomposites</i></p> <p>M. G. Smitha, M. V. Murugendrappa</p> <p>Presented in ICPAM 2017: 19th International Conference on Polymers and Advanced Materials, held by world academy of Science, Engineering and Technology at Singapore from January 8th to 9th, 2017.</p>
41.	<p><i>Thermal studies of polypyrrole cobalt aluminium oxide nano composites</i></p> <p>Rani A Sutar and Murugendrappa M V</p> <p>Presented in International conference on functional materials (ICFM – 2017) held during March 02-03, 2017, organized by the department of Physics, SCSVMV University, Kanchipuram, India.</p>
42.	<p><i>Synthesis and Impedance Studies of Polypyrrole/Praseodymium Calcium Manganite Oxide Nanocomposites</i></p> <p>Meti. Bharathi, K N. Anuradha and Murugendrappa M V</p>

	Presented in “Conference on Electrochemistry in Advanced Materials, Corrosion and Radiopharmaceuticals (CEAMCR 2018)” held from 15 th to 17 th February 2018 organized by Bhabha Atomic Research Center (BARC), Mumbai, India.
43.	<i>Optical Band Gap Determination of Calcium Doped Lanthanum Manganite Nano Particle Tailored with polypyrrole.</i> Smitha M G and Murugendrappa M V Presented in International Conference on Inventive Research in Materials Science and Technology (ICIRMCT 2018), Organized by RVS Technical Campus and Inventive Research Organization during March 23-24, 2018 at Hotel Arcadia, Coimbatore, Tamilnadu, India.
44.	<i>Diode and dc Conductivity Studies of Polypyrrole/Vanadium Oxide Nano Composites</i> Prajwal M. L., Nihal B. Kottan, Purnachandra Ganesh K. M., Sindhoora V., Chaluvvaraju B. V., Murugendrappa M. V. and Chandrashekar A Presented in National Conference on “Current Applications in Materials Science” held on 9th, May-2018 organized by SJB Institute of Technology, Bengaluru-560060, India (Awarded 1 st Prize in the Best Poster Presentation category).
45.	<i>Investigation on Morphology and Electrical Properties of La₂MoO₆ Doped Samarium for Solid State Electronics</i> K. R. Bhagya, N. M. Nagabhushana, K. R. Jyothi, H. Nagabhushana, A. P. Gnana Prakash, M. V. Murugendrappa Presented in First International conference on Advanced Functional Materials for Energy, Environment and Health Care (AFMEEHC) Sponsored by University with Potential for Excellence (UPE), UGC at the Center for Materials Science & Technology (CMST), Vijnana Bhavan, Manasagangothri, Mysuru, India – 570006 from 18 th to 20 th March, 2019, PP-011
46.	<i>Preparation and Characterization of PANI/Co-Cr Fe₂O₄ Nanocomposite Materials</i> Kaliprasad C S, Madhukumar R, Sumantha H S, Murugendrappa M V, Harhar C. A Presented in First International conference on Advanced Functional Materials for Energy, Environment and Health Care (AFMEEHC) Sponsored by University with Potential for Excellence (UPE), UGC at the Center for Materials Science & Technology (CMST), Vijnana Bhavan, Manasagangothri, Mysuru, India – 570006 from 18 th to 20 th March, 2019, PP-018
47.	<i>Synthesis, Characterization, and Antibacterial Activities of Thermally Treated Potassium Dichromate against Bacillus subtilis and Staphylococcus aureus</i> Sumantha H S, Kaliprasad C S, Suresha B L, Murugendrappa M V, Laveena K B, Abhiram J Presented in First International conference on Advanced Functional Materials for Energy, Environment and Health Care (AFMEEHC) Sponsored by University with Potential for Excellence (UPE), UGC at the Center for Materials Science & Technology (CMST), Vijnana Bhavan, Manasagangothri, Mysuru, India – 570006 from 18 th to 20 th March, 2019, PP-203
48.	<i>Synthesis, Characterization, and Antibacterial Activities of Thermally Treated Potassium Chromate against Bacillus Subtilis and Staphylococcus Aureus</i> Suresha B L, Kaliprasad C S, Sumantha H S, Murugendrappa M V, Laveena K B, R Nagaraj

	Presented in First International conference on Advanced Functional Materials for Energy, Environment and Health Care (AFMEEHC) Sponsored by University with Potential for Excellence (UPE), UGC at the Center for Materials Science & Technology (CMST), Vijnana Bhavan, Manasagangothri, Mysuru, India – 570006 from 18 th to 20 th March, 2019, PP-278
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Conference Participated

1.	Participated in the national workshop on Indian Technology Congress 2013, Towards Making India A Hub of Knowledge and Innovation during 24 th and 25 th July 2013, at Nimhans Convention Center, Bangalore.
2.	Actively participated in the three day international conference on “Transformations in Engineering Education” organized by BVB College of Engineering and Technology, Hubli from 16 th to 18 th January, 2014.
3.	Participated in the national workshop on Indian Technology Congress 2014, Advanced Technology as Change Agent to Make India an Economic Superpower during 21 st and 22 nd August 2014, at Nimhans Convention Center, Bangalore.
4.	Participated in the International conference on “7 th Bangalore India Nano” organized by Department of Information Technology, Biotechnology and Science & Technology, Government of Karnataka, Bengaluru, from 4 th to 6 th December 2014.
5.	Participated in the national workshop on Indian Technology Congress 2015, “Transforming India as a Global Engineering and Technology Hub – Prospects and Pathways” during 29 th and 30 th July 2015, at Nimhans Convention Center, Bangalore.
6.	Participated in the International conference on “8 th Bangalore India Nano” organized by Department of Information Technology, Biotechnology and Science & Technology, Government of Karnataka, Bengaluru, from 3 rd to 4 th March 2016.
7.	Participated in the International conference on “10 th Bangalore India Nano” organized by Department of Information Technology, Biotechnology and Science & Technology, Government of Karnataka, Bengaluru, from 5 th to 7 th December 2018.
8.	Actively participated in the four day international conference on “Transformations in Engineering Education” organized by Vidyavardhaka College of Engineering and Technology, Hubli from 16 th to 18 th January, 2023.
9.	Participated in the International conference on “13 th Bangalore India Nano” organized by Department of Information Technology, Biotechnology and Science & Technology, Government of Karnataka, Bengaluru, from 1 st to 3 rd August 2024.

FDP / Workshops / Conference Organized

Sl.	Workshops / Conference Organized
1.	Steering Committee member in organizing Second International Conference on Transformations in Engineering Education ICTIEE – 2015, at BMS College of Engineering, Bangaluru, from 6 th to 8 th January 2015.
2.	Organized two week workshop on “ISTE Short Term Training Programme on Engineering Physics” conducted under the National Mission on Education through ICT by MHRD, conducted by IIT Bombay, Mumbai, at BMS College of Engineering, Bangaluru, from 8 th to 18 th December 2015.
3.	Organized one week Technology Transfer & Faculty Development Program on “Non Traditional Machining and Material Characterization” conducted at Department of Mechanical Engineering, BMS College of Engineering, Bengaluru-560019, from 23 rd to 27 th May 2016 Sponsored by TEQIP 1.2.1- Center of Excellence in Advanced Materials Research.
4.	Organized one week Technology Transfer & Faculty Development Program on “Conducting Polymer Composites, Synthesis and Characterization” conducted at Department of Physics, BMS College of Engineering, Bengaluru-560019, from 6 th to 10 th June 2016 Sponsored by TEQIP 1.2.1- Center of Excellence in Advanced Materials Research.
5.	Organizing Core Committee member in “International Conference on Advanced Materials and Applications ICAMA-2016” organized by Centre of Excellence in Advanced Materials Research at B. M. S. College of Engineering, Bengaluru - 560019, from 16 th to 17 th June 2016.
6.	Organized one week Faculty Development Program on “Materials in Engineering and Technology” conducted at Department of Electrical and Electronics Engineering, BMS College of Engineering, Bengaluru-560019, from 11 th to 15 th July 2016 Sponsored by TEQIP 1.2.1- Center of Excellence in Advanced Materials Research.
7.	Organized two week Faculty Development Program on “3M – Modeling, Materials and Manufacturing” conducted at Department of Mechanical Engineering, BMS College of Engineering, Bengaluru-560019, from 13 th to 23 rd December 2016 Sponsored by TEQIP 1.2.1- Center of Excellence in Advanced Materials Research.
8.	Organized three days Technical Staff Training Program on “Advanced Manufacturing and Materials Characterization” conducted at Department of Mechanical Engineering, BMS College of Engineering, Bengaluru-560019, from 16 th to 18 th February 2017 Sponsored by TEQIP 1.2.1- Center of Excellence in Advanced Materials Research.
9.	Organized one week workshop on “Recent Advancements in Materials in Materials and Technologies in Renewables” conducted at Department of Electrical and Electronics Engineering, BMS College of Engineering, Bengaluru-560019, from 6 th to 11 th March 2017 Sponsored by TEQIP 1.2.1- Center of Excellence in Advanced Materials Research.
10.	Organized in association with BMS R & D, Centre for Nano-Materials and Display ‘One day National Symposium on Materials for Flexible Devices’. Dr. G Rajeswaran, Grantwood Technologies, USA, Dr. L Komitov, Gothenburg University, Sweden, Ms. Sreelakshmi Holla, SID Corporate office USA and Dr. Sandeep Kumar, Raman Research Institute, Bangalore are the speakers for the program on September 25, 2017

11.	Organized two week Faculty Development Program on “Advanced Manufacturing” conducted at Department of Mechanical Engineering, BMS College of Engineering, Bengaluru-560019, from 16 th to 27 th July 2018 Sponsored by TEQIP 1.2.1- Center of Excellence in Advanced Materials Research.
12.	Organized in association with Tetkronix, Bengaluru ‘One Day Workshop on Materials Characterization’ on 2 nd January 2019.
13.	Organized one week Faculty Development Program on “Current Resent Trends in Applied Physics” conducted at Department of Physics, BMS College of Engineering, Bengaluru-560019, from 10 th to 14 th June 2019 in collaboration with FET MPJ Rohilkhand University, Bareilly Sponsored by TEQIP 3.
14.	Organized one week Faculty Development Program on “Functional Materials for Engineering Applications” conducted at Department of Physics, BMS College of Engineering, Bengaluru-560019, from 15 th to 19 th February 2021 in collaboration with FET MPJ Rohilkhand University, Bareilly Sponsored by TEQIP 3 Center of Excellence in Advanced Materials Research.
15.	Organized one week Faculty Development Program on “Advanced Materials for Power Electronic Circuits” conducted at Department of Electrical and Electronics Engineering, BMS College of Engineering, Bengaluru-560019, from 1 st to 5 th March 2021 in collaboration with FET MPJ Rohilkhand University, Bareilly Sponsored by TEQIP 1.2.1- Center of Excellence in Advanced Materials Research.
16.	Organized one week Faculty Development Program on “Current Trends in Materials Physics for Engineering Applications” conducted at Department of Physics, BMS College of Engineering, Bengaluru-560019, from 15 th to 19 th May 2023.

1 week or 2 week programs/workshops participated

Sl.	1 week or 2 week programs/ workshops participated
1.	Actively participated in ‘ <i>The Second school on Physics of Beams</i> ’ winter school from 29 th Dec 1997 to 09 th Jan 1998, conducted at Centre for Advanced Technology, Indore.
2.	Attended and secured A ⁺ grade in Ph.D. program on ‘ <i>Applications of Accelerators</i> ’ from 1 st Nov 1999 to 25 th Nov 1999 conducted at Nuclear Science Center, New-Delhi
3.	Participated in one week workshop on “Micro/Nano Science and Technology” organized by BMS College of Engineering in association with ISSS from 28 th July 2008 to 2 nd Aug. 2008.
4.	Actively participated in one week course on ‘ <i>The Summer school on Advances in Physics</i> ’ from 6 th July 2009 to 11 th July 2009, conducted at National Institute of Technology Karnataka, Surathkal.
5.	Actively participated in two week refresher course ‘ <i>22nd Refresher Course in Experimental Physics</i> ’ from 15 th July 2010 to 31 th July 2010, conducted by Indian Academy of Sciences, at Bangalore University, Bangalore.
6.	Actively participated in one week workshop on “MEMS and Nano Technology”, organized by Department of Mechanical Engineering, BMS College of Engineering, Bangalore from 19 th to 24 th August 2013.

7.	Actively participated in one week workshop on “Mechanics in Physics” organized by knowledge incubation for TEQIP, at Indian Institute of Technology, Kanpur during 23 rd to 27 th June 2014.
8.	Actively participated in one week “ISTE Short Term Training Programme on Coordinators workshop on Engineering Physics” conducted under the National Mission on Education through ICT by MHRD, at IIT Bombay, Mumbai during 7 th September to 11 th September 2015.
9.	Participated in one week Faculty Development Program on “Recent Advances in Chemistry of Materials in Engineering Applications” conducted at Department of Chemistry, BMS College of Engineering, Bengaluru-560019, from 11 th to 15 th July 2016 Sponsored by TEQIP 1.2.1-Center of Excellence in Advanced Materials Research.
10.	Participated in two week Faculty Development Program on “Fatigue and Fracture Mechanics” conducted at Department of Mechanical Engineering, BMS College of Engineering, Bengaluru-560019, from 25 th July to 5 th August 2016 Sponsored by TEQIP – II.
11.	Participated in one week Professional Development Training Programme under TEQIP III for Senior faculty held at IIM, Trichy. Tamil Nadu from August 26 th -30 th , 2019

Workshops / Symposium Participated

Sl.	Workshops / Conference Participated
1.	Participated in ‘A P Patro Memorial Workshops on Accelerator Technology’ from 15 th Nov. 1999 to 17 th Nov. 1999 conducted at Nuclear Science Centre, New-Delhi.
2.	Participated in ‘Workshop on Experiments with Lasers’ on 23 rd Jan 2001 conducted at Department of Physics, Gulbarga University, Gulbarga.
3.	Participated in ‘VTU Physics Teacher Forum, Karnataka’, “Workshop on Engineering Physics Teaching Methodology in Theory and Practicals” from 5 th to 6 th Spet. 2002 at Saphthagiri College of Engineering, Hesaragatta Main Road, Bangalore.
4.	Participated in the three-day introductory programme on “Bio-Technology” jointly organized by VTU, Belgaum and the Institution of Engineers (India), Bangalore, from 19 th to 21 st Aug. 2002.
5.	Participated in “National Workshop on Nano Materials and Devices (NMD – 07)” from 16 th to 17 th Aug 2007 at NMAM Institute of Technology, Nitte.
6.	Participated in the “One day lecture workshop” organized by Christ College, Bangalore in association with IISc, Bangalore, held on 22 Sept. 2007.
7.	Participated in the symposium on “Nanotechnology and Smart Materials” held on 29 Sept. 2007 at PES Institute of Technology, Bangalore.
8.	Participated in the two day workshop on “Novel Materials and Their Application” held at Sri Jayachamarajendra College of Engineering, Mysore from 13 th to 14 th Aug. 2008.
9.	Participated in the one day workshop on “Magnetic Materials and Their Application” organized by the Department of Physics, M S Ramaiah Institute of Technology, Bangalore on 28 th

	February 2009.
10.	Participated in the two day UGC sponsored state level seminar on “New Frontiers in the Development of Science and Technology” held at BMS College for Women, Bangalore from 16 th to 17 th April 2009.
11.	Participated in the two day Engineering Faculty Development workshop on “Student Teacher Relationship in the Changing World” held at BMS College of Engineering, Bangalore from 8 th to 9 th February 2010.
12.	Participated in the symposium on “Current Trends in Photonics and Its Applications” held at BNM Institute of Technology, Bangalore on 20 th March 2010.
13.	Participated in the one day workshop on “Advanced Materials and Their Application” held at BMS Institute of Technology, Bangalore on 26 th March 2011.
14.	Participated in the national workshop on “Photon and ion induced x-ray emission spectroscopy (PIXS)” organized by Department of Physics, Karnataka University, Dharwad, in collaboration with Nuclear Physics Division, BARC, Mumbai from 23 rd to 25 th February 2012.
15.	Participated in the two day workshop on “Nonlinear and Applied Optics” organized by the Department of Physics, M S Ramaiah Institute of Technology, Bangalore from 2 nd to 3 rd August 2013.
16.	Participated in TEQIP Sponsored two day FDP on “Polymer Composites” organized by Sri Jayachamarajendra College of Engineering, Mysore, from 30 th to 31 st March 2013.
17.	Actively participated in the one day workshop on “Handling large class rooms”, organized by BVB College of Engineering and Technology, Hubli on 16 th January, 2014.
18.	Actively participated in the two day faculty development programme on “Outcome Based Education – Innovative Classroom Practices” on 18 th and 19 th September 2014 at BMS Institute of technology, Bangalore conducted by Dr. Khairaiyah Mohd Yusof and Dr. Syed Ahmad Helmi, Centre of Engineering Education, Universiti of Teknologi, Malaysia.
19.	Actively participated in the workshop on “Automation of Curriculum Design and Attainment for OBE” conducted by “IonIdea Inc”, on January 5 th 2015 as part of the pre-conference activity of ICTIEE – 2015, jointly by BMS College of Engineering (BMSCE) and Indo – US collaboration for Engineering Education (IUCEE).
20.	Actively participated in the workshop on “Technology a Generation Ahead” conducted by “CoreEL Technologies” on January 5 th 2015 as part of the pre-conference activity of ICTIEE – 2015, jointly by BMS College of Engineering (BMSCE) and Indo – US collaboration for Engineering Education (IUCEE).
21.	Actively participated in the workshop on “Outcome Based Education” on January 6 th 2015 as part of the pre-conference activity of ICTIEE – 2015, jointly by BMS College of Engineering (BMSCE) and Indo – US collaboration for Engineering Education (IUCEE).
22.	Actively participated in the workshop on “Polymer Matrix Composites” conducted by Centre of Excellence in Advanced Materials Research at B. M. S. College of Engineering, Bengaluru - 560019, Karnataka, India on 15 th June 2016.
23.	Participated in the two days awareness program on “NABL Accreditation” organized by Department of Mechanical Engineering, BMS College of Engineering, Bengaluru-560019, from 6 th to 7 th January 2017 Sponsored by TEQIP 1.2.1- Center of Excellence in Advanced

	Materials Research.
24.	Participated in one day workshop on “New Model curriculum for First year B.E/B.Tech CBCS Detailed syllabus (2018-19) as per outcome based education (OBE) format including course outcomes (CO) ND Bloom’s Taxonomy” under TEQIP 1.3 for the course Engineering Physics under Basic Science Board held on 7 th May 2018 at Bangalore Institute of Technology, Bangalore organized by Visvesvaraya Technological University, Belagavi.
25.	Participated in TEQIP Sponsored two day workshop on “Summit Connect” jointly organized by SPIU – Uttar Pradesh and SPIU – Karnataka in association with BMS College of Engineering and Dr. Ambedkar Institute of Technology, Bengaluru on 8 th and 9 th November 2019

**Participation in respect of development activities of the College
Administrative / Additional work**

Sl No	Nature of Work	Description	Period
1	Examination	Coordinated semester end examinations in the autonomous stream	January 2010, January 2011, June 2011, January 2012, June 2012
2	Examination	In-charge of Question paper typing and proof reading for semester end examinations in the autonomous stream	June 2010
3	Examination	Associated with Question paper preparation using manuscripts (Shuffling) for semester end examinations in the autonomous stream	January 2013
4	Office	Convener for the scrutiny and shortlisting of applications for backlog posts	April 2013
5	Course	Taught 12 hours of Unit V – Crystal Physics and Defects in Solids and Unit VI – Laser Systems and Spectroscopic Systems for Pre Ph.D. Students of Tumkur University	March-April 2013
6	Research	One among four principal investigators in TEQIP funded Centre of Excellence (COE) in Advanced Materials Research. Under this COE, I have setup an advanced polymer composite research lab. This lab is currently used by Ph.D. students. This facility is also used by other researchers in this field.	June 2014

7	Examination	Squad member for CIE exams of both odd and even semester in the college	2014, 2015, 2016
8	Examination	Coordinated odd semester end examinations in the autonomous stream	2017
9	Examination	Chief coordinated even semester end examinations of BE/B.Arch/MBA/MCA in the autonomous stream	May 2017
10	Examination	Chief coordinated even semester end examinations of BE/B.Arch/MBA/MCA in the autonomous stream	December 2017
11	Examination	Chief coordinated even semester end examinations of BE/B.Arch/MBA/MCA in the autonomous stream	May 2018
12	HEAD	Head of the Department of Physics	16.12.2016 - 24.07.2023
13	DCOE	Deputy Controller of Examinations	01.02.2022 – 21.07.2024

Membership of Professional Organizations

Sl No	Body/Society	Membership number
1	Material Research Society of India (MRSI)	LMB 2559
2	The Indian Science Congress Association (ISCA)	L27730
3	The Indian Society for Technical Education (ISTE)	LM 43049

Awards / Honors

Sl.	Awards / Honors
1.	Synthesis, Characterization and Impedance Analysis of Polypyrrole / $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ Nanocomposites M. G. Smitha, M. V. Murugendrappa Presented in ICPAM 2017: 19 th International Conference on Polymers and Advanced Materials, held by world academy of Science, Engineering and Technology at Singapore from January 8 th to 9 th , 2017. Received Best Presentation Award.
2.	Awarded 1st Prize in the Best Poster Presentation category: Bharathesh B M, Aaditya V B, Akhil D Prabhu, Chalumaraju B V, Pranasha T S and Murugendrappa M V , <i>Experimental Studies of Dielectric Modulus and Electrical Impedance of Polypyrrole/Ash (Paddy Husk) Nano Composites</i> , “ NANOMEET-2016, National Seminar on Recent Advances in Nano Science and Technology ” held from 6 th to 7 th , October-2016 organized by Center for Nano Science and Technology, Anna University, Chennai-600025, Tamil Nadu, India.
3.	Awarded 1st Prize in the Best Poster Presentation category. Prajwal M. L., Nihal B. Kottan, Purnachandra Ganesh K. M., Sindhoora V., Chalumaraju B. V., Murugendrappa M. V. and Chandrashekar A., <i>Diode and dc Conductivity Studies of Polypyrrole/Vanadium Oxide Nano Composites</i> , National Conference on “Current Applications in Materials Science” held on 9 th , May-2018 organized by SJB Institute of Technology, Dr. Vishnuvardhan Road, Kengeri, Bengaluru-560060, India.

Reviewer National / International Journals

Sl.	Journals Detail
1.	Canadian Journal of Physics
2.	Elsevier: Environmental Nanotechnology, Monitoring & Management
3.	Elsevier: Synthetic Metals

Project Guided:

A project on “*A Comparative Experimental Studies of Transport Properties of Polypyrrole/Titanium Dioxide and Polypyrrole/Titanium Dioxide-MWCNT Nano Composites*” is guided for three B. E. (Mechanical Engineering) 8th SEM, 2016-17 batch students Aadithya V B, Bharathesh B M and Akhil D Prabhu from Bangalore Institute of Engineering, Bengaluru.

Aaditya V B has got **M.S. in Nano Technology** in **Chalmer's University of Technology, Goteberg, Sweden (Europe)** and **Bharathesh B M** has got **M.S. in Nano Technology** in **KTH Royal Institute of Technology, Stockholm, Sweden (Europe)** where the above project was helped them.

Dr. Murugendrappa. M V