

RESEARCH ACTIVITIES

DR. MADHURI PURANDARE

Paper Presented/ Published:

- Bianchi Type-III Cosmological Model with Quadratic Equation of State. The African Review of Physics (2015) 10: 0009 65
- Early Decelerating and Late Time Accelerating Bianchi Type-V Cosmological Model with Quadratic Equation of State in General Relativity. International Conference on Frontiers in Mathematics 2015 March 26-28, 2015, Gauhati University, Guwahati, Assam, India
- Plane Symmetric Cosmological Model with Quadratic Equation of State Bulg. J. Phys. 42 (2015) 20–28
- Higher Dimensional Spherically Symmetric Cosmological Model with Quadratic Equation of State. European International Journal of Science and Technology ISSN: 2304-9693
- Bianchi type-I cosmological model with quadratic equation of state. Astrophys Space Sci (2015) 357:20
- Bianchi Type-VIh Cosmological Model with Quadratic EOS in $f(R, T)$ Theory in International Journal of Scientific Research in Science and Technology in Jan 2021.

DR. VIKRAM ATHALYE

Invited talks and Visits Abroad:

- Offered an appointment as a visiting scientist at Institute of Quantum Computing (IQC) at University of Waterloo and received CAD \$ 15000 from IQC-UW - as Honorarium + to-and-fro travel expense reimbursement (CAD \$ 2000) from May 1, 2012 to 31 July, 2012.
- Invited to give a talk in the international conference 'The Time Machine Factory 2015', organized by University of Turin, Italy (25-28 October 2015). name of Talk was: 'Space time: pre-existing classical label vs. acquired quantum observable' on Oct. 26, 2015.
- Invited talk (The de Broglie – Bohm theory & the problem of Time) delivered at the conference entitled “Quantum Information Revolution – Impact to Foundations” at the Linnaeus University, Vaxjo, Sweden, from 9 to 14 June 2019.
- Fully sponsored visit as faculty to “Faculty of Business Administration” of Memorial University St. John’s, Canada from 11 to 15 November 2019.

Paper Presented / Published:

- Superpositions of Chiral States in the presence of electric dipole, magnetic dipole and electric quadrupole interactions, J. Chem. Phys. 122, 174302 (2005) Vikram Athalye & Arvind Kumar.
- Stationary states of pyramidal molecules coupled to an electromagnetic field below and above the critical pressure, J. Phys. A: Math. Gen. 38, 8239 (2005) Vikram Athalye & Arvind Kumar.

- Decoherence of superposition of molecular chiral states due to Rayleigh scattering, J. Phys. B: At. Mol. Opt. Phys. 39, 2633 (2006) Vikram Athalye & Arvind Kumar.
- Evolution of coherence between the Jaynes – Cummings Eigenstates in the presence of repeated occupancy measurements: The Case of Resonant CouplingarXiv.org: quant-ph/0710.3662v1 (2007) Vikram Athalye.
- Investigation of the Leggett-Garg Inequality for Precessing Nuclear Spins, Vikram Athalye, Soumya Singha Roy, and T. S. Mahesh, PHY. REV.LETT. 107, 130402 (2011).
- Socio-Economic Sciences: Beyond Quantum Math-like Formalisms Quantum Rep. 2021, 3(4), 656-663; Vikram Athalye , Emmanuel Haven.

DR. MANISHA JAIL

- Poster presented on Herbal Pesticides in International conference on Business Opportunities in life sciences, organized by Modern college of arts, science and commerce, Shivajinagar, Pune on : 28th to 30th Jan 2012.
- Paper presented on Algae as a source of biofuel An Overview in National conference on Energy and sustainable development organized by College of Engineering, Shivajinagar, Pune on : 28th to 29th Feb. 2012.
- Poster presented on Gas chromatographic methods used for synthetic pyrethroids and organophosphate pesticides analysis : An overview in International conference on Global opportunities for latest developments in chemistry and technology 2014 (GOLD-CT-2014) organized by North Maharashtra University, Jalgaon on 6th Feb to 8th Feb 2014
- Poster presented on Study of impact of pesticides on soil micro-flora in National conference on Advances in chemical sciences with special reference to molecular spectroscopy, material science and organic electronics organized by Fergusson College, Deccan Gymkhana, Pune on 19th and 20th Dec. 2014.
- Studies on physic-chemical properties of commercially available EC formulations of cypermethrin and chlorpyrifos pesticides : International Journal of Engineering Research and Technology (IJERT) ISSN: 2278-0181 Vol.2 Issue 8, August-2013
- Evaluation of effect of different pesticides on pigeon pea using statistical tools in field experiment.: IOSR Journal of Environmental Science, Toxicology and Food Technology e-ISSN:2319-2402, p-ISSN: 2319-2399 Volume: 8 (Version-1)
- Studies On The Impact Of Pesticides On Soil Microbial Respiration : International Journal of Plant, Animal and Environmental Sciences(IJPAES) ISSN-2231-4490, Volume-5, Issue-1, Jan-March-2015, Coden : IJPAJX-USA
- Bio- efficacy and Relative Performance of Chlorpyrifos and Cypermethrin against Pod Borers Infesting Pigeon Pea. IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)e-ISSN:2278 - 3008, p - ISSN:2319-7676. Volume 13, Issue 2 Ver. III (Mar. – Apr. 2018), PP 80- 84

PROF. NAMRATA KARANDIKAR

Patents:

- Indian patent has been granted for an invention entitled “A method and an apparatus for data compression including encryption for file Transfer” Patent No. 285348.

Paper Presented/ Published:

- Research paper published at NCRTAM 2003, in National Conference on Recent trends in Applied Mathematics at Coimbatore in May 2003.

DR. MALINI BAPAT

Research guidance UG:

- Durga Tilak T.E. (Mech) for Eaton Awards Rs 60,000/-, (Dots, Spots & Glow. A Green Initiative – quantum dots)

Projects carried out:

- BCUD Research grant of Rs. 1,10,000/- for project entitled “Biosynthesis of nanoparticles and its applications” Status: Completed (2012- 14).
- Working towards better photoanodes and dye-sensitizers for efficient solar cells
Funded By: Cummins College of Engg for Women, Pune , Status:- Completed (2014-15).
- Principal Investigator for the project: 'Extraction of Si from rice husk' funded by Swaroop Agrochemical Industry, Nashik, Amount Rs.1,56,874/- for a duration of one year (Jan 2019-2020).

Patents:

- Inventor for Indian Patent awarded in July 2020 entitled “A method to treat bacterial blight” Patent No.340233.

Consultancy and Technology transfers:

- Principal Investigator for Industry sponsored Consultancy Project on 'Quick effective method for nanoparticles for Agrochemicals', for Swaroop Agrochemicals, for Rs. 2,54,000/- July 2015-16 Nashik. Status :- Completed.

Research Publications:

- Presented paper entitled, “A Soft Solution Process to Synthesize Nanocrystalline Barium Zirconate via Reactive Solid State Precursors,” Anjali A. Athawale and Malini Bapat at the 2nd International Conference on Materials for Advanced Technologies (ICMAT 2003) in Suntec, Singapore, on 11th Dec., 2003.
- A Paper entitled, “Acoustic wave stimulated novel synthesis route for nanosized ferroelectric barium titanate” by Anjali A. Athawale, Malini S. Bapat and Vijay B. Shinde was presented at the Metavista, (Pune chapter) at the Govt. College of Engineering, Pune on 16th Feb., 2005.

- Presented a poster entitled, ‘A designed hydrothermal synthesis of Nanocrystalline lead titanate by means of reactive precursors’ by Anjali A. Athawale, Malini S. Bapat, at the International Conference on Nanoscience and Nanotechnology (ICONSAT), organized by DST and IIT, Delhi at the India Habitat Centre, N. Delhi from the 16th-18th Mar. 2006.
- Paper entitled, ‘Nanocrystalline lead zirconium titanate by means of hydrothermal synthesis’ presented by Anjali A. Athawale and Malini S. Bapat at the ‘National Seminar on Advanced Electroceramics’(NSAE-2006) organized by the DRDO Center for Piezoelectric Devices, ARDE, Pashan, Pune on the 5th & 6th May 2006.
- Poster presentation entitled, “ Nanostructured Titanate powders by Hydrothermal route” (B-186) by Anjali A. Athawale and Malini S. Bapat at International Conference-NANO-2006 in IISc., Bangalore held in Oct. 2006.
- Poster presentation entitled, “ BaSnO₃ and Au-BaSnO₃nanorods; Application as CO gas sensor” Anjali A. Athawale, Malini S. Bapat and P.A. Desai, in the International Conference on Advanced Nanomaterials (ANM) at IIT Powai, Mumbai from 8-10 Jan. 2007.
- Poster presentation of paper by Anjali A. Athawale, Malini S. Bapat and P.A. Desai, entitled, “ Hydroxide directed novel route to synthesize nanosized cubic ceria (CeO₂)” at International Conference on Nanomaterials and its applications (ICNA 2007) held from 4th-6th Feb. 2007 in NIT, Tiruchirapalli.
- Oral Paper presentation, “Effect of mineralizer on hydrothermal synthesis of perovskite oxides” at the 10th International Conference on Advanced Materials (IUMRS-ICAM 2007) held in Bangalore, India from 8th-13th October, 2007.
- Oral Paper presentation by M. Murugan, V.K. Kokate, A.A. Athawale, M.S. Bapat and AHM Alhousami entitled, “ Nanoparticles of barium and strontium titanates/Epoxy resin as microwave absorbers” at the 10th International Conference on Electromagnetic Interference and Compatibility (INCEMIC 2008) held at Nimhans convention centre, Bangalore, India on 26-27th Nov., 2008.
- Oral Paper presentation M. Murugan, V.K. Kokate, A.A. Athawale, M.S. Bapat and AHM Alhousami entitled, “Composites of barium titanate/epoxy resin synthesized in different concentrations as microwave absorber” at the IEEE International Symposium (IEEE 2008) on microwaves held in Bangalore from 3-6 Dec. 2008.
- Poster presentation “to relate the efficacy of a natural and synthetic sensitizer on a DSSC” at the International Photovoltaic Solar Energy Conference (IPSEC) - Solar Asia 2015 from 30th July- 1st Aug , 2015 at Dept. of physics, University of Pune.
- A soft solution process to synthesize nanocrystalline barium zirconate via reactive solid state precursors. Athawale, Anjali A.; Bapat, Malini., *Journal of Metastable and Nanocrystalline Materials* (2005), 23, 3-6. Publisher: Trans Tech Publications Ltd.
- A rapid hydrothermal synthesis route for nanocrystalline SrZrO₃ using reactive precursors. Athawale, Anjali .; Chandwadkar, Asha; Karandikar, P.; Bapat, Malini, *Materials Science & Engineering, B: Solid-State Materials for Advanced Technology* (2005), B119(1), 87-93. Publisher: Elsevier B.V.
- Radiation assisted synthesis of nanosized barium zirconate. Athawale, Anjali A.; Chandwadkar, Asha J.; Karandikar, Prashant; Pasricha, Renu; Bapat, Malini S. *Department of Chemistry, University of Pune, Pune, India. Radiation Physics and Chemistry* (2006), 75(7), 755-759. Publisher: Elsevier Ltd.

- Lanthanum-Based Perovskites as Exhaust Gas Sensors: Anjali Athawale, Malini S. Bapat, Prashant K. Sahu, University of Pune, Pune, India. Encyclopedia of Sensors, Chapter LO6, volume 5 (I-M), 215- 244, (2006) American Scientific Publishers.
- Synthesis of Nanocrystalline PZT by hydrothermal method: A.A. Athawale and Malini S. Bapat, Defence Sci. J., 57, (2007), 35.
- Hydrothermal preparation of BaSnO₃ and Au- BaSnO₃nanorods, A. A. Athawale, M. S. Bapat and P. A. Desai, Journal of NanoScience and Nanotechnology, 8,1,(2008). American Scientific Publishers.
- Hydroxide directed novel routes to synthesize nanosized cubic ceria (CeO₂) A. Athawale, M. S. Bapat, P. A. Desai, J. Alloys and Compounds, 484, Issues 1-2, 18 September 2009, Pages 211-217. Publisher: Elsevier Ltd.
- Barium Titanate/epoxy resin composites as Microwave Absorber Material in X- band frequency range, M. Murugan, V. K. Kokate, A. A. Athawale, M. S. Bapat and Mohammed Al Housami , Bull. Mater. Sci., Vol. 33, No.6, Dec. 2010, pg. 657–662.
- Synthesis, Characterization and Evaluation of Reflectivity of Nanosized CaTiO₃ / EpoxyResin Composites in Microwave Bands, M. Murugan, V. K. Kokate, M. S. Bapat, Bull. Mater. Sci., Vol. 34, No. 4, July 2011, 699–704.
- Composites of nanosized strontium titanate epoxy resin as microwave absorber. Journal of Electromagnetic waves and applications, Springer, M. Murugan, M. S. Bapat, V. K. Kokate, ISSN:0920-5071(Print)1569-3937(online), 2015-16
- Evaluating green silver nanoparticles as prospective biopesticides: An environmental standpoint MS Bapat, H Singh, SK Shukla, PP Singh, DVN Vo, A Yadav, A Goyal, Chemosphere, Volume 286, Part 2, January 2022, 131761.

PROF. MILLY THOMAS

Paper Presented / Published:

- Presented a technical paper on An Application of ANN Techniques for Economic Load Dispatch, IEEE conference on AI Tools in Engineering on 6-8 March 2008.

PROF. MRUNAL MOHARIR

Papers Presented/ Published:

- Real Time Measurement of Power System frequency using DSP ‘national conference on smart grids, 19-21 March, 2012, organized by AISSPMS, Pune.
- Real Time Measurement of Power System frequency using DSP ‘international conference on electronics and communication engineering held at Pune on 15th July, 2012.

PROF. VISHAL DEORE

Paper Presented/ Published:

- Effect of target span and configuration on the ballistic limit M.A. Iqbal, P.K. Gupta, V.S. Deore, S.K. Tak, G. Tiwari N.K. Gupta, International Journal of Impact Engineering 42 (2012) 11-24

PROF. MANJUSHA BHOSALE

Paper Presented/ Published:

- Paper published in June 2013 'Life estimation of SF6 circuit breaker, in Journal of information, knowledge and research in electrical engineering.

PROF. JYOTI CHITALE

Paper Presented/ Published:

- Presented paper "Human Resource Management in Library of MKSSS' Cummins College of Engineering for Women: A Case Study" at National Conference on 'Beyond Librarianship : Creativity, Innovation and Diversity' organized by BOSLA and CDAC, Mumbai during 1-17 September 2011.
- Presented paper entitled "Innovative practices in Academic Libraries" at National Seminar on 'Empowering Academic Libraries in Knowledge Society' during 21-22 December 2011 organised by University of Mumbai.
- A paper entitled "Exploring the possible best practices with special reference to Academic Libraries" presented at NAAC sponsored National Seminar on 'Best Practices and Student Involvement in Quality Enhancement' during 5-6 October 2012 organised by Shri Shivaji College, Parbhani.
- Presented paper on "Soft Skills and Personality Development for 21st Century Librarian" at UGC sponsored National Conference organized by Degloor College on 'Redesigning Libraries and Information Centers in Digital Era' during 26-27 December 2012.
- Presented poster on "Essential skills for LIS professionals" at National Convention on Knowledge, Library and Information Networking 2013, organized by DELNET and Malaviya National Institute of Technology at Jaipur during 10-12 December 2013.
- Presented paper entitled "Changing role of Academic Libraries" at National Conference on 'Changing Trends in Academic Libraries and Librarianship in Digital Environment' organized by Shivaji University Library Kolhapur during 25-26 February 2014.
- Paper "Promotion and Marketing of Library Services : A case study of MKSSS' Cummins College of Engineering for Women, Pune" presented at TEQIP II Sponsored National Conference on 'Reaching the Unreached: Connecting the Library Users and Resources through Innovative Services and Technologies' during 8-9 August 2014 at Coimbatore.

- BCUD, SPPU sponsored State Level QIP on “Soft Skills: A Key to Professional Excellence” during 8-9 December 2014.
- Presented paper entitled “Use of Information Technology in Libraries” at ‘International Conference on Challenges and Opportunities in Library and Information Science and Academic Libraries’ on 10th December 2016 at Mangaon.
- Presented poster “Enhancing Readership Of Books From Library To Build Better Society” at International Federation of Library Associations and Institution’s (IFLA) 84th World Library and Information Congress (WLIC) in Kuala Lumpur, Malaysia during 26th to 30th August 2018.

PROF. SNEHA SINGH

Paper Presented/ Published:

- “A STUDY OF GUIDELINES OF EIA FOR INFRASTRUCTURE PROJECTS” having reference no./Paper ID- IJARSE-17MAR13CHE-027D1 in November, 2013.
- Guidelines of EIA for Hydropower Projects “in IJAES Volume 27 Issue 11 bearing ISSN (Print): 0975 – 9034 in November 2014.

PROF. ANJUSHREE AUGUSTINE

Paper Presented/ Published:

- Paper Presented at National Seminar on Research Proposal, Publication & Impact Factor published in Indian Streams Research Journal; Topic – Know Plagiarism – If You Want the Credit for Your Own Work; ISSN 2230-7850; held at SSSPM College of Education, Barshi, Feb 2013.
- Introduction to Sampling in Paper Presented at National Seminar on Research Proposal, Publication & Impact Factor published in Indian Streams Research Journal; Topic – An Research; ISSN 2230-7850; held at SSSPM College of Education, Barshi Feb 2013.
- Paper Presented at National Congress on “Physical Activity, Fitness and health”; Topic - “Pregnant Women and Physical Activity- Is it safe for pregnant women to do physical activity”; ISBN 978-93-80697-79-6 held at University of Pune in year 2011.
- Paper Presented at National Level Seminar on “Physical Education and Fitness for all”, Topic: “Management of Overweight and Obesity”, held at Shri Shahu Mandir Mahavidyalaya, Pune `in year 2009.
- Paper Presented at International Conference on “Stress Management”, Topic: “Woman under stress: an over view- How to Thrive not just survive” held at L.N.I.P.E Gwalior in year 2008.
- Presented paper entitled “Focus on what you can control to Improve your sports performance” at ‘National Conference on Psychological contributions in sustainable human development in Sports, Organisations & Community

health ' on 20 - 21 December 2019 at Arts, Commerce & Science college, Kannad.

DR. ANAND JOSHI

Paper Presented/ Published:

- A.S. Joshi, S.S. Deshpande and M.L. Kurtadikar, Dielectric Properties of North Indian Ocean Seawater at 5 GHz (Jan-2012), International Journal of Advances in Engineering and Technology IJAET, Vol. 2, Issue 1, pp 220-226.
- A.S. Joshi and M. L. Kurtadikar, Study of Seawater Permittivity Models and Laboratory Validation at 5 GHz- Journal of Geomatics, SAC-ISRO, The Indian Society of Geomatics, Vol 7, No.1, April 2013, pp 33-40.
- A. G. Murugkar, A.S. Joshi and M.L.Kurtadikar, Dielectric Properties and Emissivity of Seawater at C-Band Microwave Frequency, Journal of
- Environmental science and Engineering, National Environmental Engineering Institute CSIR, Nagpur Vol.54 No. 4 October 2012, pp 495-501.
- S. S. Deshpande, A.S. Joshi and M. L. Kurtadikar, Dielectric Properties of Agra, Haldigati and Chennai saline soils at 5 GHz- Proceedings of ICMARS-2012,
- Jodhpur Conference, 8th International Conference on Microwaves, Antenna, Propagation & Remote Sensing, 11th -15th December, pp 691 – 696.
- A. S. Joshi, S. S. Deshpande and M. L. Kurtadikar, Winter Monsoon Dielectric Properties of Tropical Indian Ocean Seawater at 5 GHz, IEEE Explore, 978-0-7695 - 4958-3/13, 2013 IEEE DOI 10.1109/CSNT.2013.168, Proceedings of CSNT- 013, Gwalior 5th-8th April 2013, pp 782-788.
- A.S Joshi et al. , Least square Fitting Method and Application to Estimate Microwave Permittivity, Journal of Basic and Applied Sciences, Feb-2014, pp 212
- S.S. Deshpande, A.S. Joshi, A.B. Itolikar, "Dielectric Properties of Gujarat and UP Saline Soils at 5 GHz" Proceedings of 11th International Conference on Microwaves, Antenna, Propagation and Remote Sensing, ICMARS-2015, Jodhpur, India.
- Dielectric and Emizion Properties of Sorghum (Jowar) vegetation at C-Bond Microwave Frequency" Ashish Itolikar, A. S. Joshi, S. S. Deshpande, V. M. Arole, N.L.Kurtodikar International Conference on material & Environmental Sciences Dec 07-08, 2018, Kolhapur.
- Dielectric Response Due to Combine Effect of Soil and Vegetation Layer (Grass) at C-Band Microwave Frequency, title 'IGRASS' International journal date Dec. 2020 <https://ieeexplore.ieee.org/abstract/document/9358944> pg 9-12
- Ashish B Itolikar, Anand Joshi, Santosh Deshpande, Mukund Kurtadikar, Dielectric Response Due to Combine Effect of Soil and Vegetation Layer (Grass) at C-Band Microwave Frequency, title 'IGRASS' International journal date Dec. 2020 <https://ieeexplore.ieee.org/abstract/document/9358944> , Dec - 2020, pp 9-12.
- Ashish B Itolikar, Santosh S Deshpande, Anand Joshi, M L Kurtadikar, DIELECTRIC MEASUREMENTS AND MODELLING OF RUBBER VEGETATION AT C-BAND MICROWAVE REQUENCY, Journal of Education: Rabindrabharati University ISSN: 0972 – 7175, Oct -2021, Vol. 23, pp 6 - 13.

PROF. JYOTI PRASAD

Paper Presented/ Published:

- Solution of the Local Fractional Generalized KDV Equation Using Homotopy Analysis Method, Title 'Fractals' International Journal Publication Volume 28, Issue 08 (December 2020) 1793-6543 SCI.

DR. DNYANESHWAR BHOSALE

- High Oxide Ion Conductivity below 500 °C in Garnets $\text{La}_x\text{Y}_3\text{-xFe}_5\text{O}_{12}$ D. R. Bhosale, S.M. Yusuf, Amit Kumar, M. D. Mukadam, and S.I. Patil Physical Review Materials, 01, 015001 (2017)
- Structural and magnetic properties of $(\text{La}, \text{Pr})_x\text{Y}_3\text{-xFe}_5\text{O}_{12}$ R. Bhosale, Amit Kumar, M. D. Mukadam, S. S. Meena, S. M. Yusuf, and S. I. Patil, Proceedings of the fifth conference on neutron scattering International Nuclear Information System, 46, INIS Issue: 38 (2015).
- Revealing conduction pathways by the soft bond valence sum distribution analysis of neutron diffraction data in $\text{La}_x\text{Y}_3\text{-xFe}_5\text{O}_{12+\delta}$
- D. R. Bhosale, S. I. Patil, and S. M. Yusuf Proceedings of the sixth conference on neutron scattering International Nuclear Information System, 48, INIS Issue: 8 (2016)
- Conduction pathways and Mixed Ionic-Electronic Conductivity below 500degC in $\text{Ca}_x\text{Y}_3\text{-xFe}_5\text{O}_{12-d}$ Materials D. R. Bhosale* and S.I. Patil Physical review Material, Vol. No. 03, Page no.: 095007 (2019)
- Structural and Magnetic Properties of Yttrium Iron Garnet and Bond Valence Calculation D. R. Bhosale, A. Kumar, S. S. Meena, M. D. Mukadam, S. I. Patil and S. M. Yusuf, 59th DAE solid state physics symposium, December 16-20, 2014, VIT University, Vellore, Tamil Nadu, India.
- Tracing Oxide Ion Diffusion Pathways in Yttrium Iron Garnet from Neutron Diffraction Study D. R. Bhosale, S. I. Patil, and S. M. Yusuf 60th DAE solid state physics symposium, 21-25 December 2015, Noida university, Uttar Pradesh, India.
- High Oxide Ion Conducting Material $\text{PrY}_2\text{Fe}_5\text{O}_{12}$ below 500 °C D. R. Bhosale, S. I. Patil, and S. M. Yusuf 61st DAE solid state physics symposium, December 26-30, 2016, KIIT University, Bhubaneswar-751024, Odisha, India.
- Conduction Pathways from Neutron Diffraction study and Ultrahigh Mixed Ionic-Electronic Conductivity in $\text{Ca}_{0.15}\text{Y}_{2.85}\text{Fe}_5\text{O}_{12}$ below 500C D. R. Bhosale, S. I. Patil, and S. M. Yusuf. Gordon Research Seminar and conference 2017 at Hong Kong university of science technology, Hong Kong, China, 6-11 August 2017.
- IUCrMaThCryst & CIMS Workshop on "Symmetry Relationships between Crystal Structures with Application to Structural Phase Transitions", October 27-31, 2014, Indian Institute of Technology, Varanasi, UP, India.

- 8th Asia-Oceania Neutron Scattering Association Neutron School, November 15 to 19, 2016, BARC, Mumbai, India. Poster presentation on “Ionic transport in iron garnet materials”.
- New high oxide ion conducting materials for LT-SOFC devices”.in International Conference on Advanced Materials development and performance, 2017 at IITM, Pune, India. Neutron Scattering Cutting Edge Probe of Structure and Dynamics of Advanced Materials in Gordon Research Seminar on August 5-6, 2017, The Hong Kong University of Science and Technology, Hong Kong, China.
- Talk on “Revealing Conduction Pathways by the Soft Bond Valence Sum Distribution Analysis of Neutron Diffraction Data in Iron Garnet Oxides”.
- Gordon Research Conference on “Structure and Dynamics of Materials on Many Length and Time Scales”, August 6-11, 2017, The Hong Kong University of Science and Technology, Hong Kong, China.
- Poster presentation on “Visualization of Oxide ion Diffusion Pathways from Neutron Diffraction study and High Conductivity in PrY₂Fe₅O₁₂,...at low Temperature.”
- Conduction pathways and Mixed Ionic-Electronic Conductivity below 500degC in Ca_xY_{3-x}Fe₅O_{12-d} Materials.03, 095007 (2019), Physical Review Materials (APS), Impact Factor-3.337, h5 Index- 35.

PROF. SUHAS PAWAR

- Presented a technical paper “Objective Quality Assessment of Stereo Images using Edge Similarity Measurements on Cyclopean Image” in the Conference on Advances in Signal Processing (CASP-2016) in June 2016.