List of publications in Journal:


9. “New Observations and Critical Assessments of Incipient Plasticity Events and Indentation Size Effect in Nanoindentation of Ceramic Nanocomposites” Payel Maiti,


57. “A facile synthetic strategy for Mg-Al layered double hydroxide material as nano carrier for methotrexate” M. Chakraborty, S. Dasgupta, S. Sengupta, J. Chakraborty, S. Ghosh,


**Symposium/Conference Publications:**


5. “Average and Atomic-Scale Structure of Cerium doped Barium Titante (BaCe1-x Ti 1-x O 3 ; x=0.02, 0.1) by X-ray Diffraction and the Atomic Pair Distribution Function Technique” authored by Sahanoor Islam, and J. Ghosh, presented in 2nd Indian Materials Conclave and 31st AGM of MRSI organized by Material Research Society of India, Kolkata Chapter during 11th to 14th February, 2020 at CSIR-Central Glass and Ceramic Research Institute (CGCRI), Kolkata. Poster No: CP-061 in Book of Abstract.

6. “Indentation size effect and nanoscale plasticity in alumina sintered with varying amounts of MgO” authored by Payel Maiti, Jiten Ghosh and Anoop Kumar Mukhopadhyay presented in 2nd Indian Materials Conclave and 31st AGM of MRSI organized by Material Research Society of India, Kolkata Chapter during 11th to 14th February, 2020 at CSIR-Central Glass and Ceramic Research Institute (CGCRI), Kolkata. Poster No: CP-130 in Book of Abstract.


9. “Study of average and local atomic-scale structure in nanocrystalline Sr doped Barium Titanate using Electron microscopy and Pair Distribution Function“ authored Ripan K.


16. “**Laboratory X-ray Diffractometer for PDF experiments using Ag radiation**” authored by Ripan Kumar Biswas, Prosenjit Khan, Anoop Kumar Mukhopadhyay, **Jiten Ghosh** and K. Muraleedharan in 24th Congress and General Assembly of the International Union of Crystallography (IUCr) held at Hyderabad International Convention Centre during 21 to 28th August, 2017.

17. “**Study of atomic scale structure of nanocrystalline Ba0.8Sr0.2TiO3 as prepared by high energy ball milling using advanced X-ray based techniques and electron microscopy**” authored by Ripan Kumar Biswas, Anoop Kumar Mukhopadhyay, **Jiten Ghosh** and Muraleedharan Kuttanellore in the International Conference on Electron Microscopy and Allied Techniques and XXXVIII Annual Meeting of Electron Microscope Society of India jointly organized by Indira Gandhi Centre for Atomic Research, Kalpakkam during 17-19th July, 2017 at Chennai, India. **Page 394, PS-0385 in Book of Abstract**

18. “**CO2 sensing Characteristics of nano structured BaTiO3 perovskite Prepared by high energy ball milling**” authored by Md Sahanoor Islam, Ashim Kumar Chakraborty, Anoop Kumar Mukhopadhyay, and Jiten Ghosh in Fourth International Symposium on Semiconductor Materials and Devices (ISSMD-4) organized by School of Materials Sciences & Nanotechnology, Jadavpur, at Jadavpur University, Kolkata, West Bengal, India during 8th to 10th March, 2017 **Page 156 in Book of Abstract.**

19. “**Methylene Blue Degradation by 3D Self-assembly Mg (OH)2 nanoparticles in presence of direct Sun light**” authored by Pradip Sekhar Das, **Jiten Ghosh** and Anoop Kumar Mukhopadhyay in 2nd International Conference on Alumina and Other Functional Ceramics (AOFC-2017) organized jointly by Indian Ceramic Society & CSIR-Central Glass and Ceramic Research Institute (CGCRI), Kolkata during 15th to 17th February, 2017 at CSIR-CGCRI, Kolkata, India. **Poster No-24 in Book of Abstract.**


21. “**Nanotribological responses of Novel Biomedical Plasma Nitrided Ti6Al4V implants**” authored by Anoop Mukhopadhyay, Aniruddha Samanta, **Jiten Ghosh**, Sandip Bysak, Monjoy Sreemany, Ramkrishna Rane, Alphonsa Joseph, Subroto Mukherjee,
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Christ University, Bengaluru, India during 14th-17th December, 2015. Page 156 (Poster 62) in Book of Abstract.


32. Structural evolution in low temperature synthesized Anorthite on heat treatment at different temperature at different temperatures” Manidpta De, T. K. Mukhopadhyay, S.

34. “Effect of Calcinations on the Structural Ordering of pores in mesoporous Cobalt Oxide powders” Sudipta Santra, Soumen Basu, Ashim Kumar Chakraborty and Jiten Ghosh in TEQIP-II Sponsored Short Term Course on “Nanostructured Materials: Theory, Processing and Characterization—(SNTPC-2014) organized by Department of Physics, National Institute of Technology, Durgapur, West Bengal during 7\textsuperscript{th} to 11\textsuperscript{th} April, 2014. \textbf{Page no: 30 in Book of Abstract.}


37. “Structural characterization of mesoporous Cobalt oxide as prepared by high energy ball milling from low angle X-ray scattering experiments” authored by Sudipta Santra, Prosenjit Khan, Soumen Basu & Jiten Ghosh in the Short term course on “Advanced Functional Materials SAFM-2013” organized by Department of Physics, National Institute of Technology (N.I.T), Durgapur, West Bengal at N.I.T, Durgapur during 18\textsuperscript{th} - 22\textsuperscript{nd} November, 2013. \textbf{Page no: 41, P9 in Book of Abstract}

38. “Structural characterization of mesoporous copper oxide as prepared by high energy ball milling from low angle x-ray scattering experiments” Sudipta Santra, Sayan Samanta & Jiten Ghosh in the National Seminar on Recent Trends in Applied Sciences and Humanities organized by Durgapur Institute of Advances Technology & Management


45. “Multiphase transformation and hybrid nanostructure under non equilibrium and equilibrium condition in nanocrystalline barium titanate powders” **J. Ghosh & S. Mazumder in International Conference on Fundamental & Applications of Nano Science & Technology** organized by School of Materials Science & Nanotechnology,


