

Biography:



Dr. Soumya Mukherjee, joined the Department of Metallurgical Engineering of School of Mines and Metallurgy, Kazi Nazrul University, Asansol, India in 10th December, 2018 as an Assistant Professor. He obtained his PhD (Engineering) from Jadavpur University in 2015. He did his doctoral thesis work in the Department of Metallurgical & Materials Engineering. He has done his Master of Engineering in Industrial Metallurgy in 2010 with Gold Medal standing 1st from the Department of Metallurgical Engineering, Jadavpur University. He obtained Bachelor's Degree in Ceramic Technology from Government College of Engineering & Ceramic Technology (WBUT,India) with Bronze Medal in 2008 and subsequently did Mechanical Engineering from Institutions of Engineers (India) (Mechanical Engineering) in 2015. In 2017 he got Chartered Engineering Certificate from Institute of Engineers (India).He was working with Amity University Kolkata as an Assistant Professor in the Department of Mechanical & Automation Engineering from August,2015 to 7th December,2018.

His domain of research interests include composite and nanocomposite materials, advanced ceramics, nanomaterials, multiferroics, electronic materials, refractory materials, waste recycling and engineering, characterization techniques, mechanical properties of metals and manufacturing science and engineering (Welding, Casting, Advance Machining etc).

His teaching interest includes Material Science, Metallurgy, Mechanics of Solids, Manufacturing Technology, Advance Ceramics, Thermodynamics, Heat and Mass Transfer, Non-Destructive Testing of materials and structures, Machines and Machine tools.

He has published about 53 peer-reviewed research papers in international/National journals, published 12 Full papers in conference proceedings, presented 43 papers International Conference and 28 National conference papers. **Till now he has attended 4 Faculty Development Programmes organized by NITTTR, Jadavpur University and others.**

He has supervised eight M.Tech Thesis. He is also the reviewer and Editorial board member of 32 International peer-reviewed journals at present. He has membership with several professional bodies like Institutions of engineers (India), Indian Institute of Metals, Indian Institute of Ceramics, International Association of Advanced Materials, Institute of Science, Education and Culture, (ISEC) and others.

E-Mail: 1)smmukherjee3@gmail.com 2)smmukherjee4a@gmail.com

Contact Numbers (M) 9830179414

Post Graduate M.TECH. Thesis Supervised and completed

- 1) Srinath Ranjan Ghosh, 2015-16 “**Synthesis and Characterization of Spinel Alumina by Combustion route**” jointly with Dr. Siddhartha Mukherjee (JU) myself as Co-Supervisor (Awarded)
- 2) Arka Prabha Dutta, 2015-6 “**BANDGAP ENGINEERING AND ENHANCED PHOTOCATALYTIC ACTIVITY OF CNT-BiFeO₃ & CNT-Bi₂Fe₄O₉ NANOCOMPOSITES**” jointly with Prof. Dr. Siddhartha Mukherjee (JU) myself as Co-Supervisor (Awarded)
- 3) Suman Khan (JU) “**Optical & Electrical Property Characterization of Barium Bismuth Titanate**” with Dr. Siddhartha Mukherjee (JU) (Awarded)
- 4) Palash Ghosh (JU) “**Feasibility Studies on Refractory Oxides Coating over Metal Surface**” with Dr. Siddhartha Mukherjee (JU) (Awarded)
- 5) Digvijay Singh (JU) “**Evaluation of Spinel by modified Solid State Milling Process**” with Dr. Siddhartha Mukherjee (JU)(Awarded)
- 6) Vinod Kumar Yadav (GCECT, WBUT) “**Synthesis and Characterization of Nano Silica from Rice Husk Ash**” with Dr. Saikat Maitra (Vice, Chancellor, WBUT, Ex Principal-In-Charge, GCECT)(Awarded)
- 7) Arnab Dewan (JU) **Effect of different fuels for Spinel evolution using Solution Combustion Route** submitted with Dr. Sathi Banerjee (JU) myself as Co-Supervisor (Awarded)

Publication Lists:

List of International Publications in Refereed Journals (Published):

1. Non-isothermal Decomposition Kinetics of Magnesite, Maitra S, Mukherjee S, Saha N, Pramanik J: Ceramica, Vol-53,2007, Pp (284-287) (Journal) (SCI)
2. Mechanochemical synthesis of Barium Titanate and Mn doped Barium Titanate, Soumya Mukherjee, Sudhir Ghosh, Gopesh Chandra Das, Manoj Kumar Mitra Interceram 62, Issue1, (2013) March edition [1] 45-49 (ISSN No. 00205214) (Journal) (Scopus Indexed)
3. Synthesis and Characterization of Lanthanum doped Bismuth Ferrite, Soumya Mukherjee, Subhabrata Chakraborty, Siddhartha Mukherjee, International Journal of Nano Dimension, Volume 5 (1) Pp 41-46, Winter 2014 (ISSN No: Web edition 2228-5059) (Journal) (Scopus Indexed)

4. Synthesis and Characterization of Iron doped Barium Titanate through Mechanochemical Route, Soumya Mukherjee, Sudhir Ghosh, Chandan Ghosh, Manoj Kumar Mitra, Journal of Institute of Engineers (India): Series (D): Volume 94, Issue 1 (2013) Pp 57-64 (Journal) DOI: 10.1007/s40033-013-0019-z (Scopus Indexed)
5. Effect of Yttrium doping on Bismuth ferrite:A Review, Subhabrata Chakraborty, Soumya Mukherjee, Siddhartha Mukherjee, International Journal of Semiconductor Science & Technology, Volume 3, Issue 1, March 2013, 1-10 (Impact Factor JCC 4.1875) (Thomson Reuter ID Indexed) (Transtellar Group of Journal) (Journal) (ISSN 2250-1576)
6. Synthesis and Characterization of Bismuth Ferrite-Cobalt Ferrite Nano Composites, Soumya Mukherjee, Manoj Kumar Mitra, International Journal of Advances in Science and Technology, (IJAST) Vol 6, No.1, 2013 (ISSN: 2229-5216) (Journal) pp 15-21, Silicon Valley Publishers
7. A Comparative Study of Pure and Rare Earth Transition Metal Doped Bismuth Ferrite, Soumya Mukherjee, Subhabrata Chakraborty, Siddhartha Mukherjee, Vol.2, No4, (2012) pp 403-408 International Journal of Current Engineering and Technology (Impact Factor 6.125) (Thomson Reuter indexed) (ISSN NO. 2277-4106) (Journal)
8. Synthesis & Characterization of Bismuth Ferrite-Nickel Ferrite Nano Composite, Soumya Mukherjee, M.K.Mitra, Interceram Vol 62, Issue 5, (2013) pp 376-379 (ISSN No. 00205214) (Journal) (Scopus Indexed)
9. Studies on dielectric and ferroelectric properties of pure and rare-earth transition metal (La/Y) doped nanocrystalline bismuth ferrite, Subhabrata Chakraborty, Soumya Mukherjee, Siddhartha Mukherjee, Journal of The Australian Ceramic Society Vol 51, Issue 1, (2015) pp 45-53 (ISSN No. 0004-881X) (SCI: Impact Factor 0.96)
10. Synthesis, Characterization and Bandgap Evaluation of Bismuth Ferrite-Zinc Ferrite nanocomposites prepared by Chemical Route, Soumya Mukherjee, Manoj Kumar Mitra, Vol 73, Issue 3 pp 211-215 Transaction of Indian Ceramic Society (Journal) (SCI: Impact Factor 0.548) (2014)
11. Characterization of Perovskite-Spinel Nanocomposites (BFO-ZFO) Ferrites Prepared by Chemical Route, Soumya Mukherjee, Manoj Kumar Mitra by Journal of The Australian Ceramic Society Vol 50 Issue 2 pp 180-187 (SCI Journal) (ISSN No. 0004-881X) (Impact Factor 0.96) 2015
12. A Comprehensive Review of The Recent Advances in the Field of Magnesia Carbon Refractories, Somdeb Pramanik, Soumya Mukherjee, Siddhartha Mukherjee Interceram Vol 63, Issue 5, (2014) pp 90-98 (ISSN No. 00205214) (Journal) (Scopus Indexed)
13. Synthesis, Characterization and Studies on Optical, Dielectric & Magnetic Properties of Pure and Cobalt doped Bismuth Ferrite, Kakali Sarkar, Soumya Mukherjee, S. Mukherjee, Manoj Kumar Mitra, Journal of Institute of Engineers (India): Series D Vol 95, Issue 2, pp 135-143 DOI 10.1007/s40033-014-0051-7 (Scopus Indexed),2015
14. NON-ISOTHERMAL DEHYDRATION KINETICS OF TITANIA GEL, Praveen Kumar Singh, Jagannath Roy, Soumya Mukherjee, Chandan Kumar Ghosh, Saikat

- Maitra *Advances in Ceramic Science and Engineering* (ISSN Online: 2325-6885, ISSN Print: 2325-5129) Volume 3, pp 46-51, 2014
15. Phase Evaluation of Pure NanoCrystalline Barium Stannate by Two Different Milling Activation, Asima Maity, Soumya Mukherjee, Siddhartha Mukherjee, *Interceram* Vol 64, Issue 6, (2015) pp 276-280 (ISSN No. 00205214) (Journal) (Scopus Indexed)
 16. Structural, electrical and magnetic behaviour of undoped and nickel doped nanocrystalline bismuth ferrite by solution combustion route, Kakali Sarkar, Soumya Mukherjee, Siddhartha Mukherjee, Manoj Kumar Mitra *International Journal: Processing and Application of Ceramics* Vol 9[1] (2015) pp 53-60 (DOI: 10.2298/PAC1501053S) (Impact Factor 0.944) (SCI Expanded) ISSN 1820-6131 (Print version)
 17. Effect of Nickel and Cobalt doping on Nano Bismuth Ferrite prepared by Chemical Route, Soumya Mukherjee, Kakali Sarkar, Siddhartha Mukherjee *Interceram* Vol 64, Issue 1, (2015) pp 38-44 (ISSN No. 00205214) (Journal) (Scopus Indexed)
 18. Structural, Optical & Magnetic properties of Nickel-Silica Nanocomposites Prepared by a Sol-Gel Route, Mrinal Saha, Soumya Mukherjee, Arup Gayen, Siddhartha Mukherjee *Journal of Institute of Engineers (India): Series (D): Volume 96 Issue 2 (February 2015) Pp 169-177 (Journal) DOI 10.1007/s40033-014-0062-4 (Scopus Indexed)*
 19. Effect of Nickel Ferrite on Bismuth Ferrite to generate Nanocomposite in relation to Structure, Characterization, Magnetic properties and Band Gap Evaluation, Soumya Mukherjee, Manoj Kumar Mitra, *Advanced Materials Letters (ISI, Scopus indexed Journal) Volume 6, Issue 10, (2015) Pp 902-906 (Impact Factor 1.90) ISSN 0976--3961*
 20. Effect of Zn doping on phase evolution and characterization of nano crystalline Bismuth Ferrite synthesized by chemical solution route, Rupesh Chakraborty, Soumya Mukherjee, Siddhartha Mukherjee *Journal of the Australian Ceramic Society (Journal) (SCI: Impact Factor 0.96 2017) Volume 53, Issue 1, pp 57-65 (2017) DOI 10.1007/s41779-016-0009-3 ISSN: 2510-1579 (electronic version)*
 21. Phase Evaluation, microscopy and Band gap of Fe-doped nanocrystalline BaSnO₃ by Solid-Sate Sintering assisted with agate-mortar activation, Asima Adak (Maity), Soumya Mukherjee, Mahua Ghosh Chaudhari, Tamali Chakraborty, Siddhartha Mukherjee, *International Journal of Current Engineering and Technology (Impact Factor 6.125) (Thomson Reuter Indexed) (ISSN NO. 2277-4106) (Journal) Vol 5, No. 6, pp 3829-3834*
 22. Phase Evolution, microscopic analysis, optical and dielectric property evaluation of Co-doped BaSnO₃ by mechanical mix assisted Solid State Sintering method, Asima Adak (Maity), Soumya Mukherjee, Mahua Ghosh Chaudhari, Siddhartha Mukherjee, *AIMS Material Science, Volume 3, Issue 3, pp 1281-1293 DOI: [10.3934/matserci.2016.3.1281](https://doi.org/10.3934/matserci.2016.3.1281) (ESCI, Thomson Reuter Indexed)*
 23. Micro Structural, Optical and Magnetic Properties of Co-SiO₂ Nanocomposite Synthesized by Sol-Gel technique, Mrinal Saha, Soumya Mukherjee, Arup Gayen, Siddhartha Mukherjee, *Journal of Institute of Engineers (India): Series (D):(Journal) DOI 10.1007/s40033-016-0116-x (Scopus Indexed) Volume 98, Issue 1, Pp 91-99, 2017*

24. Effect of CNT additions on Magnesia based refractory in relation to Morphology and Oxidation Behaviour, Soumya Mukherjee, Subhabrata Chakraborty, Siddhartha Mukherjee Interceram, *Refractories Manual (2016) 54-59 Special Technologies* (ISSN No. 00205214) (Journal) (Scopus Indexed)
25. Effect of Zn doping on the Crystallization, Dielectric and Ferroelectric properties of Solid State Sintered Barium Stannate, Tamali Chakraborty, Soumya Mukherjee, Siddhartha Mukherjee Interceram, *High-Performance Ceramics* (ISSN No. 00205214) Vol. 66 (2017) [3] 101-110 (Journal) (Scopus Indexed)
26. STUDIES ON DIELECTRIC, P-E LOOP MEASUREMENTS AND PL SPECTRA ANALYSIS OF BFO-NFO, BFO-CFO, BFO-ZFO (PEROVSKITE-SPINEL) NANOCOMPOSITES PREPARED BY SOLUTION METHOD, Soumya Mukherjee, International Journal of Current Engineering and Technology (Impact Factor 6.125) (Thomson Reuter Indexed) (ISSN NO. 2277-4106) Vol 7, No. 2, pp 413-420, 2017
27. Synthesis of CNT-BiFeO₃ and CNT-Bi₂Fe₄O₉ nanocomposites and its enhanced photocatalytic properties, Arkaprava Dutta, Subhabrata Chakraborty, Soumya Mukherjee, Siddhartha Mukherjee International Journal of Applied Ceramic Technology (SCI: Journal) (Impact Factor 1.534) DOI: 10.1111/ijac.12670 Volume 14, Issue 4, Pp 521-531 (2017) ISSN 1744-7402
28. Influence of precursor type on structural, morphological, dielectric and magnetic properties of TiO₂ nano particles, Praveen Kumar Singh, Soumya Mukherjee, Chandan Kumar Ghosh, Saikat Maitra Ceramica (Revista Ceramica) (SCI: Journal) Cerâmica 63 (2017) 549-556 doi.org/10.1590/0366-69132017633682145
29. Electrical and Optical Property Measurement of Nickel-Doped Barium Stannate Synthesized by Modified Solid State Sintering Soumya Mukherjee, Asima Adak Maity, Mahua Ghosh Chaudhuri, Siddhartha Mukherjee [Interceram - International Ceramic Review](#), Volume 67, Issue 5, pp 34-42 (September 2018) (ISSN No. 00205214) (Journal) (Scopus Indexed)
30. Effect of two different types of Capping agents on Synthesis and Characterization of Zinc Oxide, Soumya Mukherjee, Swatilekha Das Nath, Priyanka Bhadra, Interceram (ISSN No. 00205214)VOL 66[5] 166-170 (2017) (Journal) (Scopus Indexed)
31. Spectroscopic Investigation on Sol Gel Derived TiO₂ Nanoparticles, Praveen Kumar Singh, Soumya Mukherjee, Chandan Kumar Ghosh, Saikat Maitra Journal of Advances in Nanomaterials, Vol. 2, No. 3, September 2017, pp 160-168 ISSN (Online): 2519-1004, ISSN (Print): 2519-1144
32. Solution Combustion synthesis of Alumina, Spinel and its characterizations, Srinath Ranjan Ghosh, Soumya Mukherjee, Sathi Banerjee Interceram (Refractories) Vol 67 Issue [1-2], pp 34-41, 2018 (ISSN No. 00205214) (Journal) (Scopus Indexed)
33. Development of Perovskite Barium Titanate by agate mortar mill activated Solid State Process and its Characterizations Mohammed Shahnawaz, Suman Khan, Soumya Mukherjee accepted by Interceram (Electroceramics) Vol 67 Issue [4], pp 44-47, 2018 (ISSN No. 0020-5214, 2523-8957 electronic) (Journal) (Scopus Indexed)
34. Evolution and characterizations of Aurivillius Bismuth titanate by modified solid state processing Mohammed Shahnawaz, Suman Khan, Soumya Mukherjee

accepted by The Journal of Engineering Research, Oman, Scopus indexed (Online ISSN 1726-6742, Print ISSN 1726-6009)

35. Phase formation and Morphological features of Calcium Copper titanate by modified Solid State Process Ashnarayan Sah, **Soumya Mukherjee**, Mohammed Shahnawaz, Sathi Banerjee , **Material Science Research India**, ISSN : 0973-3469, **Online ISSN: 2394-0565**, Volume 16, (1) 2019
36. Synthesis and Characterization of Bismuth ferrite- Nickel ferrite Nanocomposites of varying ratio by Wet Chemistry, **Soumya Mukherjee** accepted by **Interceram (Electroceramics) July, 2019** (ISSN No. 0020-5214, 2523-8957 electronic) (Journal) (**Scopus Indexed**)
37. Strategies to improve Teaching methodology for better Teacher-Student interactions and to have motivated Society for Socio-Economic Development **Soumya Mukherjee** (**Book Chapter**) **Page 59-62, DOI:10.34256/iorip19114 IOR International Press**
38. Band-gap and PL spectra of Bismuth ferrite- Nickel ferrite Nanocomposites synthesized by Wet Chemistry, **Soumya Mukherjee** accepted by **Interceram**, (ISSN No. 0020-5214, 2523-8957 electronic) (Journal) (**Scopus Indexed**) July 2020.

List of National Referred Journal Publications:

1. Advance Ceramic Composite, N Saha, **S Mukherjee J: Bulletins of Indian Institute of Ceramic, Vol-18, 2008, (15-20) (Journal)**
2. Waste management principles and disposal processing methods for Toxic and No-toxic wastes, **Soumya Mukherjee**, Swapna Mukherjee, **Indian Science Cruiser, Vol 25, No.3, May 2011 (ISSN No 0970-4256) (Journal) (ICI Indexed)**
3. Water treatment and purification methodology for habitable use, **Soumya Mukherjee**, **Indian Science Cruiser Vol 25, No.5, November 2011 (ISSN No 0970-4256) (Journal) (ICI Indexed)**
4. Effect of milling on Effect of high energy milling on synthesis and Characterization of Barium Titanate, **Soumya Mukherjee**, Sudhir Ghosh, M.K.Mitra **Ceramic India International, Volume 5. 2011 (Journal)**
5. Phase determination & Rietveld analysis of Cobalt-Nickel Nanocomposites in Silica Matrix by Sol-Gel Method, Asima Adak, **Soumya Mukherjee**, Sudhir Ghosh, Siddhartha Mukherjee **Indian Science Cruiser (ISSN No 0970-4256) (Journal) Vol 27, Number 3, pp 14-20(May 2013 edition) (ICI Indexed)**
6. Recent Advances in the field of MgO-C refractories, Somdeb Pramanik, **Soumya Mukherjee**, Siddhartha Mukherjee, **E-Journal of Indian Institute of Ceramics, Volume 22, Issue 1, 2013, pp 7-15**
7. Ladle furnace off gas estimation and some considerations on refractory design, **Soumya Mukherjee**, Rajib Dey, Siddharth Mukherjee, **E-Journal of Indian Institute of Ceramics, Volume 23, April Issue 1, 2014, pp 19-28**
8. Role of Magnesia as an Additive on Sintering and Micro-structural Characteristics of Indian Bauxite, **Soumya Mukherjee**, Kaberi Das, Prabhakar Jha, **Indian Science Cruiser (ISSN No 0970-4256) (Journal) Vol 28, Number 4, pp 10-15 (July 2014 edition) (ICI Indexed)**

9. **An View on Plant set up for Refractory production for application in Iron and Steel Industries, Soumya Mukherjee, Indian Science Cruiser (ISSN No 0970-4256) (Journal) Vol 29, Number 29, pp 23-28 (July 2015 edition) (ICI Indexed)**
10. **Some aspects on Synthesis and Characterization of Cobalt Aluminate Spinel Structure, Soumya Mukherjee, Indian Science Cruiser (ISSN No 0970-4256) (Journal) Volume 31, Number 5, pp 23-25, September 2017 DOI: 10.24906/isc/2017/v31/i5/161487 (ICI Indexed)**
11. **Important Characteristics and brief aspects of Spinel Magnesium Aluminate for Refractory Engineering, Soumya Mukherjee, Indian Science Cruiser (ISSN No 0970-4256) (Journal) DOI: 10.24906/isc/2018/v32/i2/173567 Volume 32, No 2 Pp 38-41 (2018) (ICI Indexed)**
12. **Synthesis and characterization of Nano Silica from Rice Husk Ash, Saikat Maitra, Soumya Mukherjee, Vinod Kumar Yadav, Indian Science Cruiser (Journal) DOI: 10.24906/isc/2018/v32/i4/176489 Volume 32, No 4 Pp 25-31 (2018) (ICI Indexed)**
13. **Synthesis and Characterization of Magnesium Aluminate Spinel by Combustion Route, Soumya Mukherjee, Srinath Ranjan Ghosh, Indian Science Cruiser (Journal) DOI: (ICI Indexed)**
14. **Sol-Gel Coating of Alumina on Stainless Steel (304L) Substrate and its property, Soumya Mukherjee Indian Science Cruiser (Journal) DOI:10.24906/isc/v33/i3/185423 pp37-40, 2019. (ICI Indexed)**
15. **A Brief Insight on the aspects of Barium Titanate as Electronic Material, Soumya Mukherjee Indian Science Cruiser (Journal) DOI: (ICI Indexed)**

List of International Conference & National Paper oral presented and published in edited volume:

1. **Synthesis of Nano-Alumina and reinforcement with CNT for improved mechanical properties, Soumya Mukherjee, Siddhartha Mukherjee, Arnab Pal ACUN6-Composites and Nanocomposites in Civil, Offshore and Mining Infrastructure Melbourne, Monash University, 14-16 November 2012 ISBN NO: 978-0-646-58589-5**
2. **Phase Evolution & Characterization of Spinel Ferrite (Oxide) Nanocomposite material prepared by Chemical Route, Soumya Mukherjee, Abhigyan Datta, Mrinal Saha, Siddhartha Mukherjee accepted in International Conference on Mechanical, Industrial and Mechanical Engineering (ICMIME) 2013 organized by Rajshahi University of Engineering & Technology, Bangladesh 1-3 November, 2013 (ISBN No: 978-984-33-7879-8) Paper ID: MS-12 pp 609-614**
3. **Development on the properties of Bismuth titanate in terms of Structure, Synthesis and Applications, Pp 335-339, ISBN Number-978-93-86724-298, Soumya Mukherjee, Soumya Kanti Raj Oral ppt to 32nd Indian Engineering Congress.**
4. **Effect of Zinc Oxide and Stannic Oxide for formation of Zn-Sn-O based compound by Solid State Process with mild mill activation, Pp 340-343, ISBN Number-978-93-86724-298, Soumya Mukherjee, Mohammed Shahnawaz, Soumya Kanti Raj, Sathi Banerjee Oral ppt to 32nd Indian Engineering Congress.**
5. **Synthesis and Characterization of Perovskite BaSnO₃ by variable methods: A Comparative Study, Soumya Mukherjee, Asima Adak Maity, Sudhir Ghosh, Siddhartha Mukherjee, Oral presentation 31st Indian engineering Congress, Hosted by**

West Bengal State Centre, Kolkata, December 15th-18th, Kolkata, 2016 (ISBN: 978-93-85926-15-0) pp 267-273 Technical Volume

List of National Conference Paper oral presented and published in edited volume:

1. **Characterization and Preparation of Copper-Silica Nano-composites by Sol-Gel route, Mrinal Saha, Soumya Mukherjee, Siddhartha Mukherjee Nanotech (National conference) 2012 (Oral ppt + Proceedings) ISBN No. 978-81-924140-1-0**
2. **Preparation and Characterization of Selenium Nanoparticles in Silica matrix by Sol-Gel route, Arka Dey, Soumya Mukherjee, Siddhartha Mukherjee Nanotech (National conference) 2012 (Oral ppt + Proceedings) ISBN No. 978-81-924140-1-0**
3. **Modified Solid state processing of Barium Titanate and its Characterizations, Mohammed Shahnawaz, Suman Khan, Soumya Mukherjee Oral presentations to 33rd National Convention of Mechanical Engineers, IEI, Udaipur Local Chapter. (ISBN:978-81-934377-0-4) pp 92-95**
4. **Effect of Aurivillius Bismuth Titanate by modified Solid State processing and its Properties, Mohammed Shahnawaz, Suman Khan, Soumya Mukherjee Oral presentations to 33rd National Convention of Mechanical Engineers, IEI, Udaipur Local Chapter. (ISBN:978-81-934377-0-4) pp 82-85**
5. **Some Aspects on Electroless Coating in relation to Modern Engineering Applications, Rajib Ranjan Pal, Soumya Mukherjee, Gautam Mazumdar 34th IEI Mechanical Convention 2018, ISBN 978-81-936149-8-3, pp 99-103**
6. **Development of Spinel phase Refractory Material using Glycine as fuel by Solution Combustion Process Srinath Ranjan Ghosh, Arnab Dewan, Sathi Banerjee, Soumya Mukherjee 34th IEI Mechanical Convention 2018, ISBN 978-81-936149-8-3, pp 125-128**
7. **Some Aspects on Industrial Insulator Processing and its Properties Soumya Mukherjee, Soumya Kanti Raj 34th IEI Mechanical Convention 2018, ISBN 978-81-936149-8-3, pp 78-84**

List of paper presented in International Conferences

1. **Synthesis of transitional metal doped Barium Titanate via Mechanochemical route in Soumya Mukherjee “International Conference on Fundamentals & Applications of Nanotechnology” 9th to 11th December, 2010(JU)**
2. **Synthesis and characterization of Ni and Co doped bismuth Ferrite, Kakali Sarkar, Soumya Mukherjee, Chandan Ghosh, Siddhartha Mukherjee, Manoj Kumar Mitra India-Australia International Workshop on Nanotechnology In Materials and Energy Application 29th to 31st December, 2011 Jadavpur Univ Campus.**
3. **Sol-Gel synthesis and Characterization of Copper-Silica Nanocomposites using different reducing agents, Soumya Mukherjee, Mrinal Saha, Siddhartha Mukherjee accepted in International Symposium for Research Scholars on Metallurgy, Material Science & Engineering (ISRS-2012)**
4. **Preparation and Characterization of Multiferroic Nanocomposites through Solution Route, Soumya Mukherjee, Manoj Mitra, Proceedings at 1st International**

Workshop on Nanomaterials (IWoN): Engineering Photon and Phonon Transport at Jadavpur University, 14-15 December 2012

5. **SYNTHESIS, CHARACTERIZATION AND BAND GAP ANALYSIS OF LANTHANUM DOPED BISMUTH FERRITE**, Subhabrata Chakraborty, Soumya Mukherjee, Siddhartha Mukherjee, Proceedings at 1st International Workshop on Nanomaterials (IWoN): Engineering Photon and Phonon Transport at Jadavpur University, 14-15 December 2012
6. **Characterization & Preparation of Cobalt-Silica Nano-Composites by sol-gel route**, Mrinal Saha, Soumya Mukherjee, Siddhartha Mukherjee Proceedings at 1st International Workshop on Nanomaterials (IWoN): Engineering Photon and Phonon Transport at Jadavpur University, 14-15 December 2012
7. **Synthesis and Characterization of Nickel Ferrite-Zinc Ferrite Nanocomposites**, Abhigyan Dutta, Soumya Mukherjee, Siddhartha Mukherjee, Proceedings at 1st International Workshop on Nanomaterials (IWoN): Engineering Photon and Phonon Transport at Jadavpur University, 14-15 December 2012
8. **Recent Advances in Geopolymer Concrete: Innovative Solution to Fly Ash Waste Utilization**, Soumya Mukherjee, Siddhartha Mukherjee, M.K.Mitra, International Conference on Fly Ash Utilization – Exploring New Frontiers (ICFAU-2013) to be held at Kolkata, January 11-12, 2013
9. **Effect of Nickel Ferrite on Bismuth Ferrite to generate Nanocomposite in relation to Structure, Characterization and Band Gap Evaluation**, Soumya Mukherjee, Manoj Kumar Mitra, Oral presentation on 20 th December, International Conference on Ceramic Science, in 77th Annual Session for Indian Ceramic Society, Jamshedpur, 2013
10. **Synthesis, Structural and Optical Characterization of variable ratio x Bismuth ferrite–(1-x) Nickel ferrite nanocomposite using Chemical Route**, Soumya Mukherjee, Anwesha Kanjilal, Siddhartha Mukherjee oral presentation at NMD-ATM organized by Indian Institute of Metals held at Pune, November, 2014
11. **Synthesis and Characterization of Nanostructured TiO₂ by Sol-Gel Route both different Precursors**, Praveen Kumar Singh, Soumya Mukherjee, Chandan Kumar Ghosh, Saikat Maitra, Oral presentation at Technical Session of Indian Ceramics Society, InCers 2014, Vizag
12. **Preparation and Characterization of Co-Doped Nano TiO₂ Powder**, Praveen Kumar Singh, Soumya Mukherjee, Chandan Kumar Ghosh, Saikat Maitra oral presentation at 2nd International Conference on Nanotechnology (ICNT 2015), Haldia, India
13. **Phase formation, Morphology & Properties of Cobalt Ferrite-Nickel Ferrite Composites by Chemical Route** Soumya Mukherjee, Anurag Das, Siddhartha Mukherjee presented at International Conference on Advances in Engineering & Technology (ICAET-2016) Govt College of Engg & Ceramic Technology, Kolkata, India
14. **Dielectric and Ferroelectric properties of transitional Fe doped on Barium Stannate by mechanochemical assisted Solid State Sintering**, Ashima Adak Maity, Soumya Mukherjee, Mahua Ghosh Chaudhari, Siddhartha Mukherjee, presented at International Conference on Advances in Engineering & Technology (ICAET-2016) Govt College of Engg & Ceramic Technology, Kolkata, India

15. Effect of transitional Co doping on mechanical mix-solid state sinter assisted Barium Stannate in terms of Structure, Morphology and its Characterization, Ashima Adak Maity, Soumya Mukherjee, Mahua Ghosh Chaudhari, Siddhartha Mukherjee, presented at International Conference on Advances in Engineering & Technology (ICAET-2016) Govt College of Engg & Ceramic Technology, Kolkata, India
16. Effect of Ni doping on Barium Stannate in terms of Structure, Optical, Dielectric and Ferroelectric properties, Ashima Adak Maity, Soumya Mukherjee, Mahua Ghosh Chaudhari, Siddhartha Mukherjee, presented at International Conference on Advances in Engineering & Technology (ICAET-2016) Govt College of Engg & Ceramic Technology, Kolkata, India April 4th-5th,
17. Effect of Cobalt Ferrite on Bismuth Ferrite to generate Nanocomposite in relation to Structure, Characterization and Band Gap Evaluation, Soumya Mukherjee, presented at International Conference on Advances in Engineering & Technology (ICAET-2016) Govt College of Engg & Ceramic Technology, Kolkata, India April 4th-5th
18. Synthesis and Characterization of Zn doped Bismuth Ferrite by Solution Combustion assisted Sintering presented at Soumya Mukherjee, Rupesh Chakraborty, Siddhartha Mukherjee accepted to International Conference on Advances in Engineering & Technology (ICAET-2016) Govt College of Engg & Ceramic Technology, Kolkata, India
19. A Comparison Studies on Optical, Dielectric and Ferroelectric properties among Perovskite-Spinel Nanocomposites prepared by Chemical Route Soumya Mukherjee presented at International Conference on Advances in Engineering & Technology (ICAET-2016) Govt College of Engg & Ceramic Technology, Kolkata, India
20. Preparation and Characterization of Co doped Nano TiO₂ powder, Praveen Kumar Singh, Soumya Mukherjee, Chandan Ghosh, Saikat Maitra, presented at International Conference on Advances in Engineering & Technology (ICAET-2016) Govt College of Engg & Ceramic Technology, Kolkata, India
21. Effect of Transitional metal and Rare-Earth doping on Bismuth ferrite synthesized by Chemical Route, Soumya Mukherjee, Siddhartha Mukherjee accepted by International Conference on Nanoscience and Nanotechnology for Energy Applications, EAPP-2016, June 27th-29th, 2016, organized by Sathyabama University, India and University of Lorraine, France, Chennai, India
22. Effect on Optical and Ferroelectric properties by Zn doping on nanocrystalline BiFeO₃, Soumya Mukherjee, Siddhartha Mukherjee accepted by ICAMMP 2016, to be organized by IIT KGP.
23. Synthesis and Characterization of Spinel by solution route using thiourea as fuel, Soumya Mukherjee, Srinath Ranjan Ghosh, Siddhartha Mukherjee accepted for 80th Annual Session Indian Ceramic Society, Hyderabad, International Conference on Emerging Innovations in Ceramics, Glass and Refractories, 13th-15th December, Hyderabad, India
24. Optical & ferroelectric properties of Zn doped nanocrystalline BiFeO₃ by chemical route, Soumya Mukherjee, Rupesh Chakraborty accepted for Oral presentation, International Conference on Nanomaterials and nanotechnology, ICNANO 2017,

01-03 March 2017, Organized by VBRI Press in association with [International Association of Advanced Materials \(IAAM\)](#), Allahabad

25. Lead free materials, Barium Zirconium Titanate for Electronic devices: A review on synthesis, characterization and Electronic Properties, Sayanti Banerjee, Soumya Mukherjee, Saikat Maitra, accepted for Oral presentation, International Conference on Advances in Functional Materials 2017, University of Los Angeles California, August 14th-17th, 2017.
26. Effect of milling on Solid State Processing of Barium Bismuth Titanate and its characterizations, Suman khan, Mohammed Shahnawaz, Soumya Mukherjee, Sathi Banerjee, Poster presentation, Fourth International on Semiconductor Materials and Devices (ISSMD 4) March 8th-10th, 2017, Jadavpur University
27. Evolution of Barium Titanate by its modified solid state processing and its characterizations, Suman khan, Mohammed Shahnawaz, Soumya Mukherjee, Sathi Banerjee Poster presentation, Fourth International on Semiconductor Materials and Devices (ISSMD 4) March 8th-10th, 2017, Jadavpur University
28. Synthesis, Characterizations of Bismuth Titanate by modified Solid State Processing, Suman khan, Mohammed Shahnawaz, Soumya Mukherjee, Sathi Banerjee Poster presentation, Fourth International on Semiconductor Materials and Devices (ISSMD 4) March 8th-10th, 2017, Jadavpur University
29. Synthesis and Characterization of undoped and Al substituted nano Zinc ferrite using ligands, Soumya Mukherjee, Contributory Poster presentation (CP301) in the 4th International Conference on Nanoscience and Nanotechnology (ICONN-2017) to be held at SRM University during) Aug 9-11, 2017
30. Effect of Solid State Mixing for processing of Spinel Copper Aluminate and its Characterization, Rajib Pal, Soumya Mukherjee, Atiar Rahaman Molla, Gautam Majumdar accepted for Oral PPT at AMPT 2017 (Advances in Materials & Processing Technologies Conference), VIT University, Chennai, 11th-14th December, 2017
31. Effect of acetate, oxide precursor for perovskite-spinel composite Zinc Stannate formation by modified Solid State Processing Mohammed Sahnawaz, Soumya Mukherjee, Rajib Ranjan Pal, Sathi Banerjee accepted for Poster Presentation 81st Indian Ceramic Society, Pune Chapter 2017,
32. An Overview on the development of Physical properties for Fly ash based Concrete and Geopolymer based Concrete Soumya Mukherjee, Gautam Mazumdar accepted for Oral PPT at AMPT 2017 (Advances in Materials & Processing Technologies Conference), VIT University, Chennai, 11th-14th December, 2017
33. Effect of Sol-Gel coating on Stainless Steel (304) substrate and its property Evaluation, Soumya Mukherjee, Palash Ghosh, Siddhartha Mukherjee accepted for presentation in 1st International Conference on Emerging Trends in Engineering and Science, ETES 2018, 23rd-24th March 2018, Asansol Engineering College.
34. An Overview on the Development of Barium Titanate for Versatile Applications Soumya Kanti Raj, Soumya Mukherjee accepted for presentation in 1st International Conference on Emerging Trends in Engineering and Science, ETES 2018, 23rd-24th March 2018, Asansol Engineering College.
35. A Glimpse on the Effect of CNT on Titania in terms of Catalytic action and Environmental aspects Soumya Mukherjee accepted for Keynote Lecture SICHEM

2018 organized By Romanian Chemical Engineering Society Romanian Chemistry Society Academy of Technical Sciences – Chemical Engineering Section and Politehnica University of Bucharest, Faculty of Applied Chemistry and Materials Science (Departments of Chemical and Biochemical Engineering and Science and Engineering of Oxide Materials and Nanomaterials) 6th-7th September, 2018, Budapest, Romania

36. **Property evaluation of high performance steel ladle-porous plug refractories for enhanced quality of steel Srinath Ranjan Ghosh, Soumya Mukherjee, Sathi Banerjee, accepted by ICERIE 2019, Sylhet, Shahjalal university of Science and Technology, Bangladesh**
37. **Microbial Processing and Washing Technology for Coal to produce quality product, Siddhartha Mukherjee, Soumya Mukherjee, accepted for oral presentation at International Seminar on Prospects & Challenges in Metallurgical & Allied Industries with Special Emphasis on Quality, Safety and Environment, Floatel Hotel, Kolkata, 22nd February, 2019 by IIM Kolkata Chapter**
38. **CNT-Ni-Co-O based composite for energy application, Soumya Mukherjee, Srinath Ranjan Ghosh, Oral presentation, 2nd International Conference on Current Trends in Materials Science & Engineering 2019 (CTMSE2019), organized jointly by SN Bose Institute and IEM Kolkata, 18th-20th July, 2019**
39. **Mechanical and tribological behavior of nitride (binary and tertiary) ceramic and alloys for versatile Engineering applications, Soumya Mukherjee accepted ICAME 2020 Aliah University (ICAME_00033)**
40. **Effect of Rice Husk Ash and Fly ash reinforcement on Microstructure and Mechanical properties of Aluminium Alloy (LM6) Matrix Composites Z.Sheikh, Soumya Mukherjee, M.Sekh accepted ICAME 2020 Aliah University**
41. **Spinel Magnesium Aluminate formation, characterization by Solution Combustion using different fuels Soumya Mukherjee, Sathi Banerjee, Srinath Ranjan Ghosh, (SCAN 56) accepted for Poster Presentation SCAN 2019, (Synthesis, characterization and Application of Nanomaterials) to be held 1st to 2nd, 2019, Kolkata**
42. **CNT-Ni-Co-O based composite for Energy and glucose detection applications, Soumya Mukherjee Oral Presentation, International Conference on Chemical and Environmental Sciences (ICCAES) 2019 September 19th-21st 2019, IEM Kolkata**
43. **Synthesis, Characterization of Calcium Copper Titanate by Modified Solid State Process, Soumya Mukherjee, accepted for Oral presentation International Conference on Condensed Matter Physics (IEMPHYS) 2019, November 14th-16th 2019, IEM Kolkata**

List of paper presented in National Conferences (contd)

1. **Synthesis of Doped Barium Strontium Titanate, Soumya Mukherjee, Metallix proceedings 2009(JU)**
2. **Synthesis, Characterization and Bandgap Evaluation of Bismuth Ferrite-Zinc Ferrite nanocomposites prepared by Chemical Route, Soumya Mukherjee, Manoj Kumar Mitra, Oral presentation, One day's national Symposium on Ceramic**

Science & Technology, 2013 at Central Glass & Ceramic Research Institute, Kolkata

3. Processing of Lean Grade Lateritic Chromites Overburden for the recovery of iron and nickel, Soumya Mukherjee, at 47th NMD-ATM of IIM, 2009 held at Kolkata
4. Advanced Composite Materials for Tribological Applications in Aerospace, Soumya Mukherjee, Amritasis Sengupta, 2010, Metallix proceedings(JU)
5. Synthesis of Bismuth Ferrite via Conventional and Chemical Route with aid of Microwave Sintering, Soumya Mukherjee, “National symposium on Micro And Nano Characterization of Materials” Metallix proceedings 7th-8th January 2011(JU)
6. Synthesis of Bismuth Ferrite as Multiferroic material through Mechanochemical Route, Soumya Mukherjee in “National Seminar on Sensor & Actuator : Science to Technology 2011” 11th to 12th March, 2011 (Central Glass & Ceramic Research Institute)
7. Morphological evolution of Bismuth Ferrite and Yttrium doped Bismuth Ferrite: A Comparative Study, Subhabrata Chakraborty, Soumya Mukherjee, Siddhartha Mukherjee, poster presentation in National Conference on Sustainable Development through Innovative Research in Science and Technology (Jadavpur University supported by DST PURSE Programme) 28th-29th September,
8. Phase development of Normal Spinel-Inverse Spinel Nanocomposite Synthesized by Chemical Route, Abhigyan Dutta, Soumya Mukherjee, Siddhartha Mukherjee, A.K.Pramanik, Metallix 2013, (National Conference) held at Jadavpur University 1-2 February, 2013
9. Phase development of Nickel Ferrite-Zinc Ferrite Nanocomposite synthesized by Coprecipitation, Abhigyan Datta, Soumya Mukherjee, Proceedings at Metallomania, Composit 2013 at IIT Kharagpur, 1-2nd March 2013
10. Synthesis and Characterization of Cobalt Ferrite-Nickel Ferrite Nanocomposite by Solution Route, Soumya Mukherjee, Siddhartha Mukherjee, Poster presentation, Young Scientist Colloquim organized by MRSI, Kolkata Chapter 2013 at J.U.
11. Cobalt-Silica Nanocomposites synthesized by sol-gel techniques and its characterizations, Mrinal Saha, Saugata Kumar Gayen, Soumya Mukherjee, Siddhartha Mukherjee, NMD-ATM conference proceedings held at IIT-BHU, November14-15, 2013
12. Phase Determination and Characterization of Ferrite-Ferrite Nanocomposite Prepared by Co-precipitation Route, Abhigyan Datta, Soumya Mukherjee, poster presentation at PAN-IIT Research Expo-2014, IIT Chennai
13. Preparation and Characterization of Nano Copper Ferrite by Wet Chemical Route, Mrinal Saha, Soumya Mukherjee, Arup Gayen, Siddhartha Mukherjee poster presentation, 6th National Symposium for Materials Research Scholars, MR-14 organized by Department of Metallurgical Engineering & Materials Science, Indian Institute of Technology, Mumbai 12th-14th May, 2014
14. Structural, Optical & Magnetic properties of Cobalt-Silica Nanocomposites Prepared by a Sol-Gel Route, Mrinal Saha, Soumya Mukherjee, Arup Gayen, Siddhartha Mukherjee, Indian Workshop and Symposium on Modelling, Experimentation and Simulation on Complex Systems (MESCoS 2015), organized by Haldia Institute of Technology, Sponsored by DST, SERB, IOCL, Haldia, 5th-7th August, 2015

15. P.K.Singh, S.Mukherjee, C.K.Ghosh, S. Maitra, "Synthesis and characterization of nanostructured TiO₂ by sol-gel routes by different precursor" 78th Annual Session of Indian Ceramic Society, Jamshedpur, 3rd to 4th February 2015.
16. Electrical and Magnetic Properties of Perovskite-Spinel Composites synthesized by Chemical Process, Soumya Mukherjee, oral presentation at Twenty Ninth National Conventions of Metallurgical & Materials Engineers and National Seminar on Green Technologies for Iron & Steel Production, January 30-31, 2016, Durgapur, organized by The Institution of Engineers, under Aegis of Metallurgical & Materials engineering Division, IEI
17. x-Bismuth ferrite-(1-x) Nickel ferrite nanocomposite synthesis, Structural and its Optical Characterization of variable ratio using Chemical Route, Soumya Mukherjee, Anwasha Kanjilal, Siddhartha Mukherjee, poster presentation National Conference on Recent Trends in Functional Materials in Relation to Nanomaterials and Nanotechnology (RTFMNN), February 4th-5th, 2016 organized by Department of Chemistry, St Pauls Cathedral Mission College, in collaboration with Indian Chemical Society
18. Effect of transitional Fe doping on mechanical mix-solid state sinter assisted Barium Stannate in terms of Structure, Optical, Dielectric and Ferroelectric properties, Ashima Adak Maity, Soumya Mukherjee, Mahua Ghosh Chaudhari, Siddhartha Mukherjee, poster presentation National Conference on Recent Trends in Functional Materials in Relation to Nanomaterials and Nanotechnology (RTFMNN), February 4th-5th, 2016 organized by Department of Chemistry, St Pauls Cathedral Mission College, in collaboration with Indian Chemical Society
19. Effect on Crystallization, Dielectric and Ferroelectric properties of Zn doped process, Soumya Mukherjee, Tamali Chakraborty, Siddhartha Mukherjee, poster presentation National Conference on Recent Trends in Functional Materials in Relation to Nanomaterials and Nanotechnology (RTFMNN), February 4th-5th, 2016 organized by Department of Chemistry, St Pauls Cathedral Mission College, in collaboration with Indian Chemical Society
20. Effect of transitional metal doping on Barium Stannate prepared by Mechanical mix assisted Solid State Sintering, Soumya Mukherjee, Asima Adak Maity, Mahua Ghosh Chowdhury, Siddhartha Mukherjee National Conference on Nanotechnology: Materials and Applications (NCON: M&A) 2016, June 16th-17th, 2016 organized by School of Materials Science & Nanotechnology, Jadavpur University
21. Studies on the synthesis and characterization of Ni-doped TiO₂ nanopowders, Praveen K Singh, Soumya Mukherjee, C.K. Ghosh, Saikat Maitra National Conference on Nanotechnology: Materials and Applications (NCON: M&A) 2016, June 16th-17th, 2016 organized by School of Materials Science & Nanotechnology, Jadavpur University
22. Development of Ba-Bi-Titanate and its characterization by modified Solid State Process Soumya Mukherjee, Mohammed Shahnawaz, Sathi Banerjee communicated for InCer 2019, 9th-10th January, Jamshedpur
23. Non-Stoichiometric Spinel preparation and Characterization using Thiourea as Fuel-Reducing Agent Srinath Ranjan Ghosh, Sathi Banerjee, Soumya Mukherjee communicated for InCer 2019, 9th-10th January, Jamshedpur

24. **Synthesis of Cu-Al-O Spinel and its characterization by modified Solid State Process Soumya Mukherjee, Rajib Ranjan Pal, Gautam Mazumdar communicated for InCer 2019, 9th-10th January, Jamshedpur**
25. **Effect of Titania sol gel coating on stainless steel in terms of property modifications for versatile applications Paper ID MC/113/22 Soumya Mukherjee, Rajib Ranjan Pal, Gautam Majumdar accepted by 33rd Indian Engineering Congress**
26. **Synthesis and Characterization of Calcium Copper titanate by modified Solid State Process Soumya Mukherjee, Sashnarayan Shah, Mohammed Shahnawaz accepted for Oral ppt, 32nd National Convention of Metallurgical and Materials Engineers, AEMDS, Jamshedpur, January 18th-19th, 2019.**
27. **Low Temperature Spinelization of Magnesium Aluminate using Sol-Gel route Srinath Ranjan Ghosh, Soumya Mukherjee, Sathi Banerjee accepted for National Conference on Recent Developments in Nanoscience and Nantechnology, (NCRDNN 2019), Jadavpur University, 29th-31st January 2019**
28. **Evolution of Calcium Copper titanate by modified Solid State Process and its characterization AshNarayan Sah, Soumya Mukherjee, Md. Shahnawaz, Sathi Banerjee accepted for National Conference on Recent Developments in Nanoscience and Nantechnology, (NCRDNN 2019), Jadavpur University, 29th-31st January 2019**

Seminar & Symposia attended: (International)

- **International Symposium on Emerging Challenges for Metals & Materials Engg & Technology, Kolkata Nov (2009)**
- **International Seminar on Mineral Processing Technology, MPT-2010, NML, Jamshedpur, 15-17 December, 2010**
- **International Conference on Fundamentals & Applications of Nanotechnology” 9th to 11th December, 2010(JU)**
- **International Conference on Specialty Glass & Optical Fiber: Materials, Technology and Devices (ICGF -2011), August 4th – 6th, (Central Glass & Ceramic Research Institute)**
- **India-Australia International Workshop on Nanotechnology In Materials and Energy Application 29th to 31st December, 2011 Jadavpur Univ Campus.**
- **1st International Workshop on Nanomaterials (IWON): Engineering Photon and Phonon Transport at Jadavpur University, 14-15 December 2012**
- **ACUN6-Composites and Nanocomposites in Civil, Offshore and Mining Infrastructure Melbourne 14-16 November 2012 (Australia)**
- **ICMIME 2013 (International Conference on Mechanical, Industrial and Mechanical Engineering) Rajshahi 1-3 November 2013 (Bangladesh)**
- **International Conference on Advances in Engineering & Technology (ICAET-2016) Govt. College of Engineering & Ceramic Technology, Kolkata 4-5th April 2016, India**

- ICAMMP-IV 2016, Organized by Department of Metallurgical & Materials Engineering, IIT Kharagpur, 5th-7th November, 2016
- 31st Indian Engineering Congress, SMART Technologies for Natural Resource Conservation and Sustainable Development, 15th -18th December, 2016 Kolkata
- Fourth International on Semiconductor Materials and Devices (ISSMD 4) March 8th-10th, 2017, Jadavpur University
- 1st International Conference on Emerging Trends in Engineering and Science, ETES 2018, 23rd-24th March 2018, Asansol Engineering College.
- 6th International Conference on Refractories at Jamshedpur, 2019, ICRJ 2019
- International Seminar on Prospects & Challenges in Metallurgical & Allied Industries with Special Emphasis on Quality, Safety and Environment, Floatel Hotel, Kolkata, 22nd February, 2019 by IIM Kolkata Chapter
- International Conference on Chemical and Environmental Sciences (ICCAES 2019), 19th-21st September, 2019, Organized by Institute of Engineering & Management, Kolkata
- International Conference on Synthesis, Characterization and Application of Nanomaterials (SCAN) held 1st to 2nd, November 2019, Kolkata at Novotel

Seminar & Symposia attended: (National)

- Recent Advancement on Electronics with special reference to Ceramics, 24th June 2005 at Kolkata (Government College of Engg. & Ceramic Technology)
- Fly Ash Utilization, Perspective & Prospects-11th Nov, 2006 at Kolkata (Government College of Engg. & Ceramic Technology) Metallix-Feb,2007, Kolkata (JU)
- Advanced Composite Materials for Tribological Applications in Aerospace, Metallix-Feb, 2008, Kolkata(JU)
- National Seminar on Advanced Nanomaterials and its applications Aug, 2008, Kolkata (JU)
- National Seminar on Design & Engg of Steel Plants in India, 18th Dec, 2008, Kolkata
- National Seminar on Design of Metallurgical Plant, Metallix-Feb, 2009, Kolkata(JU)
- National Seminar on Forging Technology, March 2009, Kolkata (JU)
- National Seminar on Advanced Materials for Nuclear, Space & Defense. 26th Feb, Metallix-Feb 26, 2010,Kolkata (JU)
- National seminar on Raw Material Security for Steel Industry in India-Challenges Ahead, 18th September, 2010 (Hotel Oberoi Grand) Kolkata
- National symposium on Micro And Nano Characterization of Materials, Metallix 7th-8th January,2011.
- National Seminar on Sensor & Actuator : Science to Technology 2011, 11th to 12th March, 2011 (Central Glass & Ceramic Research Institute)
- Seminar on Automotive Steels 2014, 20 to 21st August, Jadavpur-University, Kolkata

- National Seminar on “Water Crisis and its Management”, 27th September, 2014, organized by Institute of Science, Education & Culture, and Birla Industrial & Technological Museum, Kolkata
- National Seminar on “An Anthropological Glimpse into the Population Dynamics of Eastern India” organized by Institute of Science, Education & Culture, and Birla Industrial & Technological Museum, 3rd October, 2015, Kolkata
- One Day Seminar on “Corrosion Resistant Steel”, 27th November, 2015 organized by Civil Engineering Division, The Institution of Engineers, India, West Bengal State Centre at Sir R.N.Mookerjee Hall
- One Day Seminar on “Chemical Engineering and Biotechnology Process Intensification through Innovative Computation”, 21st November, 2015 organized by Chemical Engineering Division, The Institution of Engineers, India, West Bengal State Centre at Sir R.N.Mookerjee Hall
- All India Seminar on “Bearing Technology”, 4th to 5th December, 2015 organized by Mechanical Engineering Division Board, The Institution of Engineers, India, West Bengal State Centre at Sir R.N.Mookerjee Hall
- Twenty Ninth National Conventions of Metallurgical & Materials Engineers and National Seminar on Green Technologies for Iron & Steel Production, January 30-31, 2016, Durgapur, organized by The Institution of Engineers, under Aegis of Metallurgical & Materials engineering Division, IEI
- National Seminar on Better Nutrition: Key to Development, ISEC and Birla Industrial & Technological Musuem, Kolkata, 9th January, 2016.
- National Seminar on “Make in India: Ramifications for the Indian Metallurgical Industry”, December, 19, 2015, Jadavpur University, Kolkata
- National Conference on Recent Trends in Functional Materials in relation to Nanomaterials and Nanotechnology (RTFMNN), February, 4-5th, 2016, St Pauls Cathedral Mission College in Collaboration with Indian Chemical Society
- National Conference on Nanotechnology: Materials and Applications (NCON: M&A) 2016, June 16th-17th, 2016 organized by School of Materials Science & Nanotechnology, Jadavpur University
- National Conference on Deformation and Texture of materials, 16th February, 2017 organized by Centre of Excellence, TEQIP-II, Jadavpur University, Kolkata
- Psycho-Social Correlates of Education Organized by Institute of Science, Education and Culture, BITM, Kolkata, 25th November, 2017
- One Day Seminar on ICON OF SCIENCE PERSONALITY: ASIMA CHATTERJEE, 10th February, 2018 Organized by Institute of Science, Education and Culture, BITM, KOLKATA
- ICONIC SCIENTIFIC PERSONALITIES: PROF S.N. BOSE, PROF M.N. SAHA AND PROF P.C. MAHALANOBIS, 29th September, 2018 Organized by Institute of Science, Education and Culture, BITM Kolkata.
- 82nd Annual Session of Indian Ceramic Society, ICS 2019, 9th-10th January, 2019, Jamshedpur

Membership of Professional Bodies:

- Life Member of Indian Ceramic Society, ES-220
- Life Member of Indian Institute of Metals, 55496
- Life Associate Member of Indian Institute of Ceramic
- Associate Member Of Institution of Engineers of India, Membership No AM143087-7
- Life Member of Institute of Science, Education and Culture (ISEC), L-293
- Member of IAAM, International Association of Advanced Materials, Member No: 847251911293
- International Association of Engineers Member Number: 212223
- The Society of Innovative Educationalist & Scientific Research Professional (Chennai) MSIESRP
- Member: Indian Society of Mechanical Engineers (ISME) M-914846
- Senior Member: International Society for Research and Development SR4150900643 (lifetime Member)
- Life Member: Scientific and Technical Research Association STRA-M18121

Out-Reach Activity :

Member of Advisory Board to International Conference on Nanomaterials and Nanotechnology, 01-03 March 2017, Allahabad, India organized by VBRI press, Vinoba Bhave Research Institute, IAAM. www.vbripress.com/icnano

Reviewers of Journals: 1) International Journal of Chemistry and Material Science (IJCMS) Title of paper- Optical properties of rare earth doped Barium aluminate synthesized by different methods-A Review

2) Reviewer of International Journal of Research in Engineering and Technology (ISSN No e-ISSN 2319-1163 and p-ISSN 2321-7308)

3) Recently I am also selected as Reviewer of a prestigious journal entitled International Journal of Mechanical Sciences (Elsevier, SCI Impact Factor 2.061): *Title of Paper- Effect of grain size and heterogeneity on the mechanical behavior of foil rolling*

4) Reviewer of International Journal of Applied Ceramic Technology (Wiley International, SCI Impact Factor 1.534): Title of Paper- "Influence of La₂O₃ and MgO co-doped additives on final properties of nanocrystalline alumina abrasive"

5) Reviewer & Advisory Board Member of International Journal of Current Engineering & Technology (Inpressco Publishers) (Impact Factor 4.550) (ISSN NO. 2277-4106) (<http://inpressco.com/editorial-ijcet/>)

6) Reviewer of International Journal of Emerging Technology and Advanced Engineering: title of paper- "Wireless Nanosensor Networks: A Basic Review" (ISSN NO. 2250-2459) Impact Factor 2.324 (ISO 9001:2008) Certified (NSL)(NISCAIR) approved

7) Reviewer of Transaction of Indian Ceramic Society: title of paper –"Solid Solution Limits and Microwave dielectric properties of Aluminium Substituted Ca_{0.61}Nd_{0.26}TiO₃ Ceramics" Impact Factor 0.348 (SCI)

“Impact of Al₂O₃ doping on Microwave Dielectric properties of Ca_{0.61}Nd_{0.26}TiO₃ Ceramics” Impact Factor 0.348 (SCI)

8) Reviewer of the Journal Materials and Design: Impact Factor 3.501 (SCI)

Title of paper – “A Simulation study of Pearlite-to-Austenite Transformation Kinetics in Rapidly Heated Hot-Rolled Low Carbon Steel”

9) Reviewer & Editorial Board Member of the Journal: International Journal of Research - Granthaalayah

10) Editorial Board membership of Composite Materials, Science Publishing Group, USA

11) Reviewer/Editorial Board Member of Advances in Materials Chemistry, Science Publishing Group, USA

12) Reviewer of Material Science Research India Print: 0973-3469, Online: 2394-0565

13) Member of Editorial Board of International Journal of Nanoparticle Research (eSci Pub, USA) (ISSN:2577-4417; DOI:10.28933/IJRN)

14) Member of Editorial Board of International Journal of Material Sciences and Applications (eSci Pub, USA) (ISSN:2575-1034)

15) Member of Editorial Board of Asian Journal of Materials Chemistry, Asian Publication Corporation (India)

16) Editorial Board Member of Research Analysis and Evaluation Research (India) (UGC Approved)

17) Review of International Conference on New Material and Chemical Industry, (NMCI 2017 & NMCI 2018) Paper ID NO:NMCI 18343 (Effect of the doping Zn on the microwave absorption of BFO multiferroic materials)

18) Assistant Editor of Shodh Samiksha Aur Mulyankan (UGC Approved) Journal

19) Reviewer of The Open Chemical Engineering Journal Bentham Open (Scopus Indexed)

20) Reviewer of the The 7th Global Conference on Materials Science and Engineering (CMSE 2018), November, 1st -4th Xi’an, Shaanxi, China 2018

21) Editorial Board member EnPress Publishers, Ceramic Sciences and Engineering

22) Editorial Board Member EnPress Publishers, Composite Materials Research

23) Technical Program Committees, 4th Annual International Workshop on Materials Science and Engineering, May 18th -20th, 2018, Xian China
<http://www.iwmse2018.org/?op=committee>. <http://www.iwmse2018.org/>

24) Technical Program Committee, International Conference on Metal Material Processes and Manufacturing, 9th-21st July, Jeju National University, Seoul, South Korea.
<http://www.icmmpm.org/>

25) Editorial Board Member of ACE Journal of Modern Studies in Mechanical Engineering, UAE

26) Reviewer Member of Innovations in Building Material Science and Technology, Singapore

27) New Journal of Glass and Ceramics, Scientific Research Publishing, Paper ID:1030187
Title: Effect of Zn Substitution on the Magnetic and Magnetocapacitance Properties of Nanosized Multiferroic GaFeO₃ Ceramics

28) Reviewer of Inorganic Chemica Acta, Evise or Elsevier Publisher Paper ID ICA_2018_957 Title : **Highly Connected Metal-Organic Framework Constructed from Heptanuclear SBUs: Structure, Topology, and Fluorescence**

- 29) Reviewer of Journal of Nanoscience and Nanotechnology Applications (JNNA) JNNA-P-140 Investigation of Structural and electrical properties of Manganese doped ZnO varistors prepared from nanopowders**
- 30) Editorial Board Member of International Multidisciplinary Research Journal (ISSN 2231-6302) TathQeef Scientific Publishing, UAE**
- 31) Technical Programme Committee of International Conference on Advanced Materials Research and Processing Technology, AMRPT, July 19th-20th, 2019, Wuhan, China**
- 32) Editorial Board Member of New Construction Technology, Singapore, Bilingual Publishing Co, ISSN: 2251-2667 (Print)**

Date: 25/11/2019

Dr. Soumya Mukherjee

Place of Origin: Kolkata