

# **Ms. Paromita Das**

## **Complete List of Publications**

### **A. Journal Papers**

1. **P. Das**, S. Sinhamahapatra, K. Dana, S. Mukhopadhyay, “Improvement of thermal conductivity of carbonaceous matrix in monolithic Al<sub>2</sub>O<sub>3</sub>-C refractory composite by surface-modified graphites”, *Ceramics International*, 46 [18] : (2020) 29173-29181
2. **P.Das**, S.Dutta, N.Das, S. Mukhopadhyay , “Extended studies on surface- treated graphite vis-à-vis its application in high alumina refractory castable”, *International Journal of Applied Ceramic Technology*, 15 [3] : (2018) 668-677
3. A. Olanrewaju, A.K. Oluseyi, **P. Das**, S.K. Das, “Sintering study of a mixture of Nigerian sources of Kaolin and LR grade alumina powder”, *Indoceram*, 5 [3] : (2018) 47-52
4. A.K.Kabiraj, G.Pahari, **P.Das**, T. K. Parya, “Microstructural and electrical characteristics of sintered aluminous porcelain insulators”, *Ceramic Forum International*, 94 [1-2] : (2017) E-55-E-60
5. A.K.Kabiraj, S. Saha, A. Chakraborty, **P.Das**, T. K. Parya, S.K. Das, “Recycling study of vitrified porcelain tiles scrap” *Ceramic Forum International*, 94 [1-2] : (2017) E-1-E-6
6. **P.Das**, S.BasuMallick, P.Maity, S.Palit, S.Ghosh, S.Mukhopadhyay, “Evaluation of refractory performance of basic castables containing magnesium-aluminate sol-gel coatings on graphite”, *Interceram*, [1] : (2016) 041-046
7. S.Dutta, **P.Das**, A. Das, S. Mukhopadhyay, “Significant improvement of refractoriness of Al<sub>2</sub>O<sub>3</sub>-C castables containing calcium aluminate nano-coatings on graphite”, *Ceramics International*, 40 [3] : (2014) 4407-4414
8. S. Dutta, **P. Das**, A. Das, S.Modak, S.Mukhopadhyay, “Physical Characteristics of Alumina-Carbon Refractory Castables Containing Calcium Aluminate-coated Graphites”, *Interceram*, 62 [4] : (2013) 294-298

### **B. Conference Papers/Proceedings**

1. **P.Das** & B.K. Sanfui, “Studies on the Mechanical Activation Assisted Low Temperature Synthesis of Magnesium Aluminate Spinel”, *International Conference on Emerging Technologies for Sustainable Development (ICETSD’19)* at Eastern Zonal Cultural Centre and GCELT, Kolkata, 5<sup>th</sup> and 6<sup>th</sup> March, 2019
2. **P.Das** & B.K. Sanfui, “Influence of Mechanical Activation on Structural and Morphological Evolution of Magnesium Aluminate Spinel”, *Microsymposium on Recent Developments in Mineral Processing and Mechanical Activation of Solids* at CSIR-NML Jamshedpur, 22<sup>nd</sup> February, 2019
3. **P.Das** & B.K. Sanfui, “Studies on the Thermal Stability of Surface Modified MWCNT in Oxidizing Atmosphere”, *National Conference on Recent Developments in Nanoscience & Nanotechnology* at School of Materials Science and Nanotechnology, Jadavpur University, 29-31 January, 2019
4. **P.Das** & B.K. Sanfui, “Effect of Binary Oxide Coating on the Oxidation Resistance of Multi-Walled Carbon Nanotube”, 6<sup>th</sup> *International Conference on Refractories (ICRJ 2019)* at The Wave International, Jamshedpur, 9, 10 & 11<sup>th</sup> January, 2019
5. S. K. Sharma, **P.Das**, B.Mandal, M.K. Purkait, B.K. Sanfui, “Structural and Morphological Studies

of Sol-Gel Derived Nano-Crystalline  $\gamma$ -Alumina”, National Conference on Recent Developments in Nanoscience & Nanotechnology at School of Materials Science and Nanotechnology, Jadavpur University, 29-31 January, 2019

6. S.K. Sharma, P. Halder, **P.Das**, S. Chatterjee, B.K. Sanfui, “Experimental Investigation on Fly Ash Based Geopolymer Concrete”, 6<sup>th</sup> International Conference on Refractories (ICRJ 2019) at The Wave International, Jamshedpur, 9, 10 & 11<sup>th</sup> January, 2019
7. P.R. Bar, **P.Das**, S. K. Sharma, A. Ghosh, D. Tak, B.K. Sanfui, “Some Studies on the Decarbonation-Rehydration Behavior of Bhutanese Dolomite”, 6<sup>th</sup> International Conference on Refractories (ICRJ 2019) at The Wave International, Jamshedpur, 9, 10 & 11<sup>th</sup> January, 2019
8. S. Das, **P. Das**, S. Mukhopadhyay, “Surface-modified Graphite : A Futuristic Material for Application in Carbon Bearing Monolithic Refractory Ceramics”, International Conference on Current Trends in Materials Science and Engineering, CTMSE (2018) at S. N. Bose National Centre for Basic Sciences, Kolkata, 2018
9. S. Moitra, **P. Das**, S. Mukhopadhyay, “Spinel-Coated Sustainable Graphite For MgO-C Castable Refractories”, International Conference & Frontiers on Nanoscience & Nanotechnology at Sastra University, Thanjavur, 26-28<sup>th</sup> February, 2016
10. P. Dey, **P. Das**, B. K. Sanfui, T. K. Parya, “Non-Isothermal Solid State Decomposition Kinetics Of Aluminum Titanate Precursor Derived Through Co-Precipitation Route”, International Conference on the occasion of 78<sup>th</sup> Annual Session of The Indian Ceramic Society at SNTI & Centre for Excellence, Jamshedpur, 2<sup>nd</sup> and 3<sup>rd</sup> February 2015