

**PAPERS PUBLISHED IN SCIENCE CITATION INDEX JOURNAL  
2006 TO 2007 (1st April- 31<sup>st</sup> March)**

**BIO-CERAMICS & COATINGS**

1.	Synthesis and sintering of biomimetic hydroxyapatite nanoparticles for biomedical applications Nayar, S , Sinha, MK, Basu, D and Sinha, A <b>JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE</b> 2006, Vol 17, Iss 11, pp 1063-1068
2.	Performance of conventional CSZP-based ceramic coating on oxidation of carbon-carbon composites Chakraborty, N, Ficher, W, Das Gupta , A and Basu, D <b>SURFACE AND COATINGS TECHNOLOGY</b> 2006, Vol. 201, Iss. 3-4, pp 1152-59
<b>CLAY &amp; TRADITIONAL CERAMICS</b>	
3.	Effect of pyrophyllite on vitrification and on physical properties of triaxial porcelain Mukhopadhyay, TK, Ghosh, S, Ghatak, S and Maiti, HS <b>CERAMICS INTERNATIONAL</b> 2006, Vol 32, Iss 8, pp 871-876
4.	Synthesis of low expansion ceramics in lithia–alumina–silica system with zirconia additive using the powder precursor in the form of hydroxyhydrogel. <b>CERAMICS INTERNATIONAL</b> Mandal, S, Chakrabarti, S , Das, SK and Ghatak, S 2007, Vol 33, Iss 2, pp 123-132
5.	Multipurpose compositions for wall and floor tiles utilising pyrophyllite and common clay Ghosh, S , Mukopadhyay, TK and Das, SK <b>INDUSTRIAL CERAMICS</b> 2006, Vol 26, Iss 2, pp 100-106
6.	Effects of marble waste addition on the thermo-mechanical properties of earthenware wall tile composition Chakraborty, AK Maiti , KN and Pathak, DD <b>INDUSTRIAL CERAMICS</b> 2006, Vol 26, Iss:3, pp 173-180

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8.	Gel-bonded alumina-silicon carbide-carbon-based blast-furnace trough castable Sarkar, R, Mukherjee, S and Ghosh, A <b>AMERICAN CERAMIC SOCIETY BULLETIN</b> 2006, Vol 85, Iss 5, pp 9101-05
9.	Felspathic and pyrophyllitic porcelain evolution during fast firing Dana, K, Ghosh, S, Mukhopadhyay, TK and Das, SK <b>AMERICAN CERAMIC SOCIETY BULLETIN</b> 2006, Vol. 85, Iss. 12, pp 9201-03
10.	Physico-Chemical Characterization of Ukrainian and Indian Plastic Clays — A Comparative Study Agrawal Parvesh, Machhoya B. B. and Maiti K. N. <b>TRANSACTIONS OF THE INDIAN CERAMIC SOCIETY,</b> 2007, Vol.66, Iss.1, pp.23-30
<b>GLASS SCIENCE &amp; TECHNOLOGY</b>	
11.	Aqueous durability of $K_2O$ - $CaO$ - $P_2O_5$ - $SO_3$ glasses: kinetics and mechanism Sen, P, Das Mohapatra, GK, Ghosh, K and Biswas, NS <b>PHYSICS AND CHEMISTRY OF GLASSES-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART B</b> 2006, Vol 47, Iss 3, pp 294-300
<b>NON-OXIDE CERAMICS &amp; COMPOSITES</b>	
12.	Cellular porous SiC ceramics derived from Indian dicotyledonous woods and their application potential as hot gas filtration materials Mallick, D, Das, S, Chakrabarti, OP, Maiti, HS and Majumdar, R <b>ADVANCES IN APPLIED CERAMICS</b> 2006, Vol 105, Iss 5, pp 246-252
13.	Microstructural characterization using orientation imaging microscopy of cellular Si/SiC ceramics synthesized by replication of Indian dicotyledonous plants Pancholi, V, Mallick, D, AppaRao, Ch., Samajdar, I, Chakrabarti, OP, Maiti HS and Majumdar, R <b>JOURNAL OF THE EUROPEAN CERAMIC SOCIETY</b> 2007, Vol 27, Iss 1, pp 367-376

14.	<p>Electrical conductivity of cellular Si/SiC ceramic composites prepared from plant precursors  Mallick, D, Chakrabarti, OP, Bhattacharya, D, Mukherjee, M, Maiti, HS and Majumdar, R  <b>JOURNAL OF APPLIED PHYSICS</b>  2007, Vol 101, Iss 3, pp [033707]1-7</p>
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16.	<p>Static and dynamic mechanical properties of vinylester resin matrix composites reinforced with shellac-treated jute yarns  Ray, D, Sengupta, SP, Rana, AK and Bose, NR  <b>INDUSTRIAL &amp; ENGINEERING CHEMISTRY RESEARCH</b>  2006, Vol 45, Iss 8, pp 2722-27</p>
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23.	Study of pulse evolution and optical bistability under the influence of cubic-quintic nonlinearity and third order dispersion. Roy, Samudra and Bhadra, SK <b>JOURNAL NONLINEAR OPTICAL PHYSICS AND MATERIALS</b> 2007, Vol. 16, Iss. 1, pp 1-17
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29.	Selective detection of methane and butane by temperature modulation in iron doped tin oxide sensors Chakraborty S, Sen, A and Maiti HS <b>SENSORS AND ACTUATORS B-CHEMICAL</b> 2006, Vol 115, Iss 2, pp 610-613
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## SOL-GEL

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