**PhD PUBLICATIONS , 2016**

**BIOLOGICAL SCIENCES:**


2. Shruti Balaji · Yu Zhou · Anasuya Ganguly · Emmanuel C. Opara · Shay Soker · *he combined effect of PDX1, epidermal growth factor and poly-L-ornithine on human amnion epithelial cells’ differentiation* BMC Developmental Biology (2016) 16:8


CHEMISTRY


2. Akanksha Saini, Shahswat Verma, Aditya Harshvardhan and Ranjan Dey “Two new models for viscosity prediction of binary, ternary and higher order liquid mixtures” RSC Advances, 6, 113657-113662 (2016).


4. K Narendra, T Srinivasa Krishna, B Sudhamsa, Ranjan Dey and M Sarath Babu
“Thermophysical and optical studies of molecular interactions in binary mixtures of diethyl carbonate with aromatic compounds at temperatures from 298.15K to 323.15K”
Journal of Chemical Thermodynamics, 103, 17-299 (2016).


degradation of the reagent without bactericidal effect in water” Chemical Engineering Journal, 286, 223-231 (2016)


22. Pragnya P. Mishra, M. Manivel Raja and Rabi N. Panda “Enhancement of magnetic moment in Co substituted Nanocrystalline $\varepsilon$-CoxFe$_3-x$N $(0.2 \leq x \leq 0.4)$ synthesized by modified citrate precursor route” Materials Research Bulletin. 75, 127-133 (2016).


30. BK Ghosh, S Hazra and NN Ghosh, “Synthesis of Cu@CF@SBA15: A Versatile catalysts for (i) reduction of dyes, trifluralin, Synthesis of (ii) DHPMs by Biginelli reaction and (iii) 1,2,3-triazole derivatives by” 'Click reaction Catalysis Communications. 80, 44–48 (2016).

31. D Moitra, BK Ghosh, M Chandel, RK Jani, MK Patra, SR Vadera, NN Ghosh “Synthesis of a Ni0.8Zn0.2Fe2O4-RGO nanocomposite: an excellent magnetically separable catalyst for dye degradation and microwave absorber” RSC Advances 6, 14090-14096 (2016).


CHEMICAL ENGINEERING


7. Manjare S D, Mohite R J “Cradle-to-gate and Gate to Gate Approach for Life Cycle Assessment of the Fertilizer Production” International Journal of Environmental Pollution Control and Management, Vol.8, No.2 (2016)

8. G. Surendran, S. S. Baral, Selection of suitable adsorbent for the removal of \( \text{Cr(VI)} \) by using Objective Based Multiple Attribute Decision Making (MADM) method, International Journal of Chemical Engineering and Applications, Accepted.

9. S. S. Baral, K. Raja Shekar, V. Viswanathan, G surendran, Dissolution Kinetics of Cerium from red mud, Separation Science and Technology, Accepted, 2016 Taylor Francies (IF 1.083)


**COMPUTER SCIENCE & INFORMATION SYSTEMS**


**ECONOMICS & FINANCE**

1. A.K.Mishra and Viral M Paramar ‘*Changing Contours of Income Stratification and Decomposition of Income Inequality: Evidence from Recent Longitudinal Survey in India*’ in *Journal of Quantitative Economics,*
the official journal of The Indian Econometric Society (TIES) published by Springer International Publishing (First Online: 09 September 2016)


EEE and E & I


HUMANITIES AND SOCIAL SCIENCES


2. Bhattacharya Amitendu, Parricide Muse India (Vol. 68, July-August 2016 Issue)


5. Cheruvalath Reena, Need for a shift from philanthropic to humanistic approach to Corporate Social Responsibility: With special reference to the New Act 2013 of CSR in India (Accepted)


11. RP Pradhan; Jajati K. Pattnaik Chabahar to Sagarmala: *Making Sense of India’s External & Hinterland Sea Lane Prospects World Focus* (Accepted for the forthcoming volume)


15. Bhattacharya Amitendu *Five Poems by Sukanta Bhattacharya*, *Journal of the School of Language, Literature and Culture Studies*, Jawaharlal Nehru University, New Delhi.


**MATHEMATICS**

1. Alpesh Dhorajia and Jimmy M. Morzaria; *Domination in total graphs of small rings Discrete Mathematics*, Algorithms and Applications


4. G. C. Samanta and B. K. Bishi; *Universe described by Kaluza-Klein space time with viscous modified cosmic chaplygin gas in general relativity*, Iran Journal of Science and Technology; Transactions A; Science


DEPARTMENT: MECHANICAL ENGINEERING


