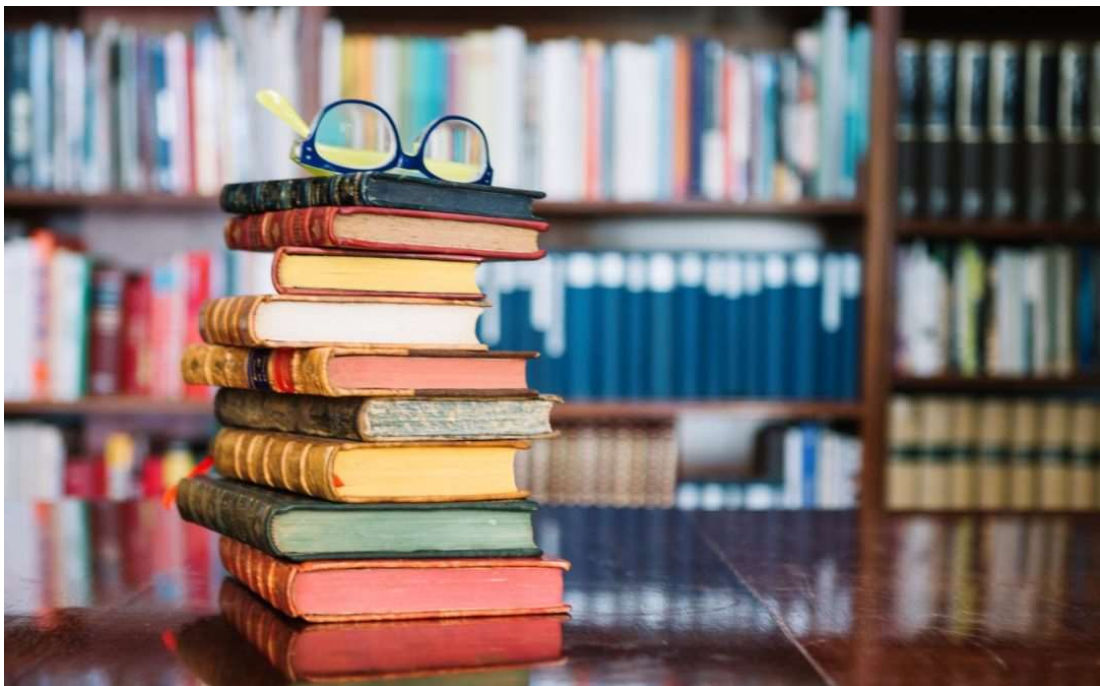




JNARDDC, Nagpur



2013-14

Technical Papers Presented / Published & Conferences (2013-14)

1. Adsorption studies of heavy metal cations on silica flat bed induced with microcrystalline Silica gel: Quantitative determination of Cobalt and Nickel by optical scanning Densitometry. P A Mohamed Najar, Sonali R Gondane, Janardhan U Jeurkar and Manoj T Nimje. **Separation Science and Technology, 2013: Taylor and Francis group, USA. 48(12), 1808-1817**
2. Quantitative thin layer Chromatography study of Al^{3+} in geological samples. PA Mohamed Najar, SR Gondane, PG Bhukte, MT Nimje and SP Puttewar. **Indian Journal of Chemical Technology, NISCAIR-CSIR, India, Vol. 21, March 2014, 146-154.**
3. Effect of metal pad instabilities on current efficiency in aluminium electrolysis. A Agnihotri. **Transaction of Indian Institute of Metals, 2014 (Volume 67, Issue 3(2014), pp 315-323)**
4. Cell voltage noise in aluminium smelting. A Agnihotri. **Transaction of Indian Institute of Metals, 2014 (Volume 67, Issue 3(2014), pp 275-283)**
5. Sequestration of carbon dioxide in red mud, Desalination and Water Treatment. SB Rai, KL Wasewar, RS Mishra, P Mahindran, MJ Chaddha, J Mukhopadhyay, KY Chang. **SCI journal 2013, 51(10-12) (2013): 2185- 2192.**
6. An alternative to clay in building materials: Red mud sintering using fly ash via Taguchi's methodology, SB Rai, DH Lataye, MJ Chaddha, RS Mishra, P Mahindran, J Mukhopadhyay, CK Yoo, KL Wasewar. **Journal of Advanced Materials Science and Engineering, (SCIE journal) Volume 2013, Article ID 757923, 7 pages**
7. Metal instabilities and its effect on cell performance in aluminium smelting; A Agnihotri; **17th International Conference on Minerals and Materials, 2013 (ICNFM 2013) organized by Metallurgical Engineering Consultants and Corporate Monitor at MECON, Ranchi (pp Tech 12/1 to 12/10)**
8. Neutralized red mud as an adsorbent SB Rai, KL Wasewar, DH Lataye, K Singh, MJ Chaddha, J Mukhopadhyay. Seawater. **Research Journal of Engineering and Technology 4(2) (2013): 57-61.**
9. Up-gradation of Bauxite for Non-metallurgical Applications. PG Bhukte, SP Puttewar and CS Gundewar. International Seminar on Mineral Processing Technology (MPT-2013), IMMT, Bhubaneswar, December, 2013 Vol-II pp. 569-573.
10. Effect of undissolved alumina on metal pad instabilities in aluminium smelting; A Agnihotri, TR Ramachandran and SU Pathak; **International Bauxite, Alumina & Aluminium Society (IBAAS) CHALIECO & ANTAIKE; China, November, 2013.**

11. Geochemistry of Bauxite deposits of Gothane-Vikhare, Hativale and Mahalunge villages in Rajapur Tehsil of Ratnagiri district, Maharashtra (India). H S Kale, H N Kamble and P G Bhukte. **Ultra Scientist, Vol.25 (2) B pp 265-280 (Jul 2013).**
12. Quantitative determination of vanadium in vanadium sludge and Bayer's Liquor using ICP-AES, U. Singh and SP Puttevar, **India Journal of Chemistry, 2013, (90, 11, 2127-2131)**
13. Metal instabilities and its effect on cell performance in aluminium smelting. A Agnihotri. **Journal of Advanced Materials Research, Trans Tech Periodicals / Publication. (TTP-2013), Switzerland (Volume 828 (2014) pp 45-54)**
14. Neutralization of red mud using inorganic acids, SB Rai, KL Wasewar, RS Mishra, SP Puttevar, MJ Chaddha, J Mukhopadhyay, CK Yoo **Research Journal of Chemistry and Environment, (SCIE journal-2013) 17(7) (2013): 10-17.**
15. Effect of Anode spikes on cell performance in aluminium smelting A Agnihotri, SU Pathak and J Mukhopadhyay National Metallurgist Day-Annual Technical Meeting, **NMD, Varanasi, Nov. 2013**