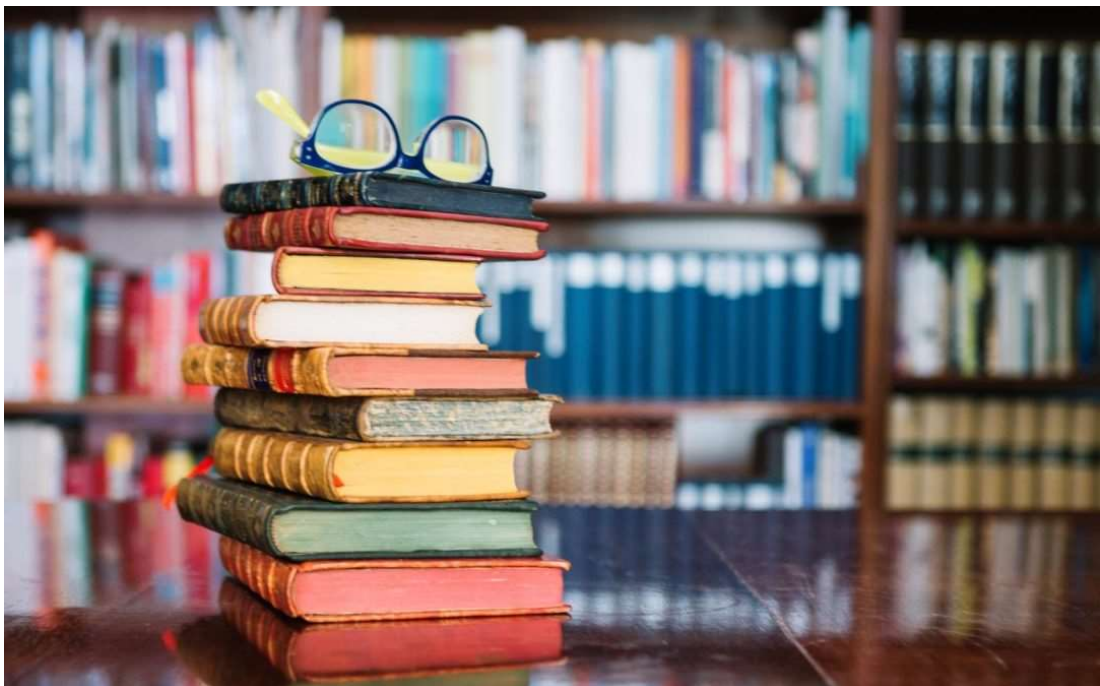




# JNARDDC, Nagpur



2014-15

## Technical Papers Presented / Published &amp; Conferences (2014-15)

1. Geotechnical evaluation of eastern ghat bauxite deposits of India; P G Bhukte, MJ Chaddha; **Journal Geological Society of India, Vol. 84 pp 227-238**
2. India's initiative on improving energy efficiency in Aluminium industries; Piyush Verma, Alka Verma and A Agnihotri; **Asia Pacific journal of energy and environment, 1 (3) (2014) 215-222**
3. Bauxite, Alumina and Aluminium – Present scenario and future prospects; A Nandi, H Mahadevan, A Agnihotri and A Mukhopadhyay; **Minerals and metals review journal (MMR), XL(11) (2014) 49-53**
4. High performance Aluminium Conductors; R N Chouhan, A Agnihotri, P Mahendiran, P Dungore and VNSUV Ammu; **Journal Aluminium in India, 14(4) (2015)**
5. Instantaneous measurement of liquidus temperature and super heat of aluminium electrolysis bath; R J Sharma, V K Jha, A Agnihotri & S S Prajapati; **18<sup>th</sup> International Conference on non – ferrous minerals and metals July, 2014 ; pp Tech-13/1-13/8**
6. *Up gradation of West Coast Laterite – A futuristic approach for its utilization; P G Bhukte, S P Puttewar, A S Gijare, K Janbandhu, K R Rao; 18<sup>th</sup> International Conference on non – ferrous minerals and metals July, 2014; pp 3/1-3/10*
7. *Process for effective utilization of residual aluminium dross-Indian perspective; Upendra Singh and S P Puttewar; 18<sup>th</sup> International Conference on non – ferrous minerals and metals July, 2014 ; pp Tech-11/1-11/6*
8. *Waste management strategies and utilization of red mud; Suchita Rai and K L Wasewar; 18<sup>th</sup> International Conference on non – ferrous minerals and metals July, 2014 ; pp Sat-3/1-3/14*
9. *Development of heat treatment method for selective destruction of leachable cyanide and recovery of carbon values in aluminium spent pot lining material (SPL); M T Nimje, P A Mohamed Najar, S U Bagde, S S Prajapati, A P Shende, M S Ansari, B Patra, P Bandopadhyay, B K Satpathy and N R Mohanty; 18<sup>th</sup> International Conference on non – ferrous minerals and metals July, 2014; pp Tech-5/1-5/12*
10. Application of simultaneous tools for process modeling in Aluminium Extrusion; V N S U V Ammu, P Mahendiran, A Agnihotri; **18<sup>th</sup> International Conference on non – ferrous minerals and metals July, 2014 ; pp Tech-18/1-18/8**
11. Building Materials from Aluminium Industry Wastes. P A Md Najar, M. J Chaddha, M.T Nimje, A. Agnihotri & B.K Satpathy; **National Seminar on “Green building materials & construction technologies” at BMTPC, New Delhi on August 2014**
12. Effect of precipitation temperature on soda content of hydrate and liquor productivity; Mrs S Rai, M T Nimje, K J Kulkarni, Mrs M Panchal, S Bagde, A Agnihotri; **International conference on Technological Improvements & Market Developments in aluminium industry with Special Reference to value added products of bauxite, alumina and aluminium. Nov 2014, IBAAS-2014; Vol-III, pp 320-327**

13. Use of mathematical model as a tool in alumina plant monitoring; M J Chaddha; **International conference on Technological Improvements & Market Developments in aluminium industry with Special Reference to value added products of bauxite, alumina and aluminium. Nov 2014, IBAAS-2014; Vol-III, pp 252-259**
14. Study on autogenous dissolution of bauxite for estimation of alumina; P A Mohamed Najar, P G Bhukte, U Singh, M S Ansari, P V Nageshwar, M T Nimje and S P Puttewar; **International conference on Technological Improvements & Market Developments in aluminium industry with Special Reference to value added products of bauxite, alumina and aluminium. Nov 2014, IBAAS-2014,; Vol-III, pp 66-77**
15. Significance of grain size of bauxite and laterite during beneficiation; P G Bhukte and S P Puttewar; **International conference on Technological Improvements & Market Developments in aluminium industry with Special Reference to value added products of bauxite, alumina and aluminium. Nov 2014, IBAAS-2014 ; Vol-III, pp 43-52**
16. Strategic rare earth metals in industrial wastes-future recovery prospects from red mud; Upendra Singh, P A Mohamed Najar and S P Puttewar; **International conference on Technological Improvements & Market Developments in aluminium industry with Special Reference to value added products of bauxite, alumina and aluminium. Nov 2014, IBAAS-2014; Vol-III, pp 169-169**
17. Aluminium sustainability and its applications, **18<sup>th</sup> National Seminar on Aerospace structures (NASAS), Nagpur, December 2014; pp 41**
18. Cracking of High Strength Aluminium Alloy Slabs during Casting; R N Chouhan, P Mahendiran, A Agnihotri; **18<sup>th</sup> National Seminar on Aerospace structures (NASAS), Nagpur, December 2014; pp 75**
19. Friction Stir Welding of High Strength Aluminium Alloys for Aerospace Application; P Mahendiran, V N S U V Ammu, R N Chouhan, A Agnihotri; **18<sup>th</sup> National Seminar on Aerospace structures (NASAS), Nagpur, December 2014; pp 79**
20. Aluminium electrolysis bath chemistry and  $AlF_3$  consumption; R J Sharma, V K Jha, S Dhamande, & S S Prajapati; **International conference on raw materials for aluminium smelter: opportunities and challenges ahead (RMAS); February 2015 pp 25-27**
21. Aluminium recycling: A techno-economical perspective; R N Chouhan and A Agnihotri; **International Conference on Raw Materials for Aluminium Smelter: Opportunities and Challenges ahead (RMAS); February 2015 pp 58-62**
22. Studies on extraction and characterisation of alumina from residual aluminium dross; U Singh, S P Puttewar and A Agnihotri; **4<sup>th</sup> world science congress at Jadavpur University Kolkata, Section-Engineering (Ei-5) December 2014, pp 25**
23. Laterite / Low grade Bauxite Deposits – Prospects for its development; P G Bhukte, S P Puttewar, A Agnihotri; **Regional brain storming session on 36<sup>th</sup> IGC: A unique opportunity for advancement in geosciences, GSI (CR), March 2015 Nagpur pp 48**