

PLENARY LECTURE SESSION

PLENARY SESSION-1	
Venue- GJLT	
Date- 10-10-2018	
Time- 11:30AM-1:00PM	
1	Assessing Bulk Sortability for Large Copper Mines <i>Dr. (Prof.) Bern Klein, University of British Columbia, Canada</i>
2	Mining of values from wastes-A challenge to the mineral processors and metallurgist <i>Dr. S. Seetharaman, Royal Institute of Technology, Stockholm</i>
3	Coal mining & preparation: challenges & opportunities <i>Mr. Sanjay Singh, GM (Coal Preparation), TATA STEEL</i>
4.	Separation process technologies; Advances and Innovations <i>Dr. K. Bala Subramanian, Director, NFTDC, Hyderabad</i>
PLENARY SESSION-2	
Venue- GJLT	
Date- 10-10-2018	
Time- 2:00PM-3:30PM	
1	Coking Coal For Indian Metallurgical/ Steel Industries- Overall Scenario, Beneficiation, Challenges And Future Strategies <i>Prof. H. L. Sapru, MONNET GROUP</i>
2	Present situation demands a critical look at the gaps in the hydro-metallurgical base metal concentrators for higher yield <i>Mr. Kaushik Sengupta, Chief of Technology and Engineering, TEGA INDUSTRIES, Kolkata</i>
3	Delivering Value Through innovation and breakthroughs in the mining industry <i>Dr. B. Gorain, Hindustan Zinc, Vedanta Ltd., Udaipur</i>

TECHNICAL SESSIONS

Technical Session-A MINERAL CHARACTERIZATION Date-10.10.18 Venue-Hall 1 Time-4:00-5.30PM	
Session Keynote -Prof.G.Kumar, BIT Sindri Topic -Characteristics Of Hydrothermal Deposits From South East Pacific Rise – A Case Study	
1.	Application of ICP-OES & ICP-MS technique for study of heavy metal content and trace elements in yellow gypsum <i>Shrenivas Ashrit, Ravikrishna Chatti, Supriya Sarkar, Venugopal Rayasam and Udayabhanu Nair</i>
2.	Significance of Mineralogical Studies in Deducing Reducibility Characteristics of Manganese Ores <i>Dillip R. Kanungo, L.B Toal, V.A. Sontakkey, Sandhya Lal and Indira Ravindran</i>
3.	An investigation on the viability of the BHQ/BHJ of Noamundi, West Singhbhum, Jharkhand <i>Sanjeev Kumar Das and Ranjit Prasad</i>
4.	Characterization studies of limonite iron ore <i>Yakshil Chokshi, Sujaykumar Dutta and Dharmesh Lodhari</i>
5.	Identification of Mineral Phases and Physico-Chemical Characterization of a Well Known Potters Clay from North-Eastern Region of India <i>Paran Jyoti Kalita and Rajib Loachan Goswamee</i>
6.	A detailed mineralogical, textural and quantitative assessment of Eastern Indian iron ore slime. <i>Paromita Biswas, Sanchita Chakravarty and Manoj Kumar Mohanta</i>
7.	Characterization and mineral identification of a potters clay from North eastern region of India. <i>Paran Jyoti Kalita, Champa Gogoi, Rajib Lochan Goswamee</i>
8.	Significance of mineral chemistry of Chromite and associated host rocks in beneficiation strategy: A case study from Sukinda Chromite deposits, Jajpur district, Odisha, India <i>Yudhishthir Mohanta, Y. Rama Murthy, Prabodha R. Sahoo, A.S. Venkatesh</i>
Technical Session-B1 COAL PROCESSING I Date-10.10.18 Venue-Hall 2 Time-4:00-5.30PM	
Session Keynote -Dr. Atul Bhatnagar, TATA STEEL, Jamshedpur Topic - Using digital and analytics for improving processing efficiency	

1.	Carbonization of low-grade Northeast Indian coal and waste plastics: studies on coke quality and oil yield <i>Gitika Rani Saha, <u>Tonkeswar Das</u>, Pranjal Handique, Alok Bora, Hari Dutta and Binoy Saikia</i>
2.	Studies on the Beneficiation of Bore Hole Coal Samples for its Gainful Utilization <i>Thonangi Gouri Charan, Uday Chattopadyay, <u>Sanjay Chaudhuri</u>, Prabha Shankar Prasad and Subhash ChandraMaji</i>
3.	Prospects of Dry Processing of Indian Coal <i>Shobhana Dey and Ratnakar Singh</i>
4.	Improving Coal Quality Through Beneficiation – A Case Study On Coal From SECL <i>Thonangi Gouri Charan, Manoj K Sethi, S.K. Konar and Ashok K Singh</i>
5.	Development of an On-line Coal washability analyser for treating coarse coal <i>K M P Singh, Thonangi Gouri Charan, <u>K M K Sinha</u>, G.V. Ramana, Anindya Sinha, Pradeep K Singh and Priyanka Ujjala</i>
6.	Chemical Looping Combustion: A Case Study of Coal Gasification Coupled with CO₂ Capture and Power Production <i>Dipali, Arijit Biswas and Raghu Raja Pandiyan Kuppusamy</i>
7.	A Groundbreaking Method for Rapid Coal Washability Analysis Utilizing High Speed X-Ray Microtomography: A Case Study Using Indian Coal <i>S. D. Graham & B. Tordoff</i>
Technical Sessio-C1 METALLURGY I	
Date-10.10.18 Venue-Hall 3	
Session Keynote – Dr. Sanjay Kali Topic-Processing Of Secondary Resources Employing Hydrometallurgical Techniques	
1.	Production of fine powder of metallic Iron by direct reduction of iron oxides waste generated during the processing of Ilmenite ore <i>Deepika Kumari Sahu</i>
2.	Carbothermic reduction of Manganese ore <i>Sanjeev Kumar Das, Santosh Kumar and Ranjit Prasad</i>
3.	Hydrometallurgical extraction of nickel from alumina supported spent reforming and methanation catalysts by selective precipitation, crystalization and precipitation by ligand displacement techniques <i><u>Naga Raju Batti</u> and N R Mandre</i>

4.	Separation of Nd and Pr from NdFeB magnet leach liquor using Aliquat Nitrate <i>Aarti Kumari and Sushanta Sahu</i>
5.	Recovery of Zinc as Hydrated Zinc sulfate salts from Zinc Dross <i>Shivendra Sinha, Rajanikant Choudhari, Devabrata Mishra, Archana Agrawal, Kamla Kanta Sahu and Saurabh Shekhar</i>
6.	Utilization of low/lean grade iron ore resources to prepare pellet feed concentrate by reduction roasting <i>Sachida Nanda Sahu, Ashok Sahu , Surendra Biswal</i>
Technical Session-D1 COMMINUTION I Date-10.10.18 Venue-Hall 4 Time-4:00-5.30PM	
Session Keynote- Prof. Bern Klein, NBK Institute of Mining Engineering, The University of British Columbia Topic- Sizing and evaluation of HPGRs using piston press tests.	
1.	Addressing the challenges in Indian Iron ore fines wet grinding for the pellet feed preparation <i>Samayamutthirian Palaniandy and Hidemasa Ishikaw</i>
2.	Influence of Test Mesh Size and Circulating Load on Bond Work Index <i>Talasetti Santosh, Chinthapudi Eswaraiah and Rayasam Venugopal</i>
3.	Influence of thermal stress on strength and its application in pre-Comminution treatment of ores and industrial minerals: an example from Maldeota phosphorite of Kumaon- Garhwal Lesser Himalaya, India <i>R. K. Dubey</i>
4.	Developments in HPGR technology <i>John Victor and Joseph Dziedzina</i>
5.	Study on edge effect during grinding in High Pressure Grinding Roll <i>Jitendra Kumar Sadangi, Sarada Prasad Das and Surendra Kumar Biswal</i>
6.	Effect of operating variables on the performance of a stirred mill <i>Talasetti Santosh, Chinthapudi Eswaraiah and Rayasam Venugopal</i>
7.	Refining Bond approach to mill scale-up design based on Kapur energy-size reduction relationship and plant operating data <i>Vinai Gupta</i>
8.	Analysis of particle size distribution of unit operations by principle component analysis <i>B.Venkoba Rao</i>

9.	Evaluating A Refurbished Grinding Mill For A New Application <i>Shubham Verma</i>
Technical Session – K1 SOP I Date 10.10.18 Venue-Hall 5 Time-4.00-5.30PM	
Session Keynote- DR. B VENKOBA RAO, TENOVA Topic- Modelling, Simulation And Plant Design: An Overview	
1.	Verification of the triz-based forecasts made in paper 269 presented at IMPC 2012, new delhi, india to validate the relevance and usefulness of triz for innovative resolution of mineral sector-environment conflict issues. <i>M S prithvi</i>
2.	Recovering Iron Values from Low Grade Iron Fines and its Statistical Optimization. <i>Abhyarthana Pattanaik and Venugopal Rayasam</i>
3.	Settling Characteristics Of Coal Washery Tailings Using Synthetic Polymer <i>Puja Hansdah, Shravan Kumar and N.R Mandre</i>
4.	Extraction of Nickel from Sukinda Chromite Overburden – Steps Forward <i>Anurag Kumar Jain</i>
5.	An overview of Pellet bunching in sintered pellet plant <i>Prajna Mohapatra, Subhadra Sen, Sumit Hota and Subhendu Barik</i>
6.	Performance Evaluation of Mozley Mineral separator For the Low Grade Iron ore Fines <i>Prabhu Chand Kukkala and Shravan Kumar</i>
7.	Performance analysis of low grade iron ore by flotation through different starches as depressants <i>Sanjeet Kumar Suman and Shravan Kumar</i>
8.	Hydrodynamics and separation studies of coal fines in liquid-solid fluidized bed separator <i>Ajita Kumari, Alok Tripathy and Venugopal Rayasam</i>
9.	Studies on Sintering Behavior of Iron Ore using Biomass <i>Gaurav Jha, S. Soren and Kapil Deo Mehta</i>
10.	Study on effect of scrubbing on iron ore received from Barbil region, Odisha. <i>Soumya Sahoo, Sachida Nanda Sahu, Shatrughan Soren and Surendra Biswal</i>

11.	Synthesis, characterization and evaluation of a nanocomposite based novel pour point depressant for improving the flow properties of waxy crude oil <i>Rohit Sharma, Vikas Mahto and <u>Barasha Deka</u></i>
Venue- Adjoining GJLT Poster Presentation Date-11.10.18 Time-9:00-10.30AM	
1.	Heavy Media Separation Process In Coal Washeries: A Theoretical Approach <i>Satyajit sahoo, Biswajit Kujur, Satyananda Patra</i>
2.	Preliminary studies on beneficiation of Malanjhand Mixed Copper Ore <i>Silpa Sweta Jena, N.R. Mandre, R. Venugopal</i>
3.	Selective flocculation fundamental aspects and application of different flocculants in flocculation of iron ore slimes <i>Bimal Manda, Satyananda Patra</i>
4.	Effect of Na-bentonite on green pellet properties and reduction behaviour of iron ore pellets <i>Ayesha Mohanty, Satyananda Patra</i>
5.	Study the corrosion rate of tar-ammonia separator in by-product coke making <i>Shakti Kumar, Vinod Saxena, Hari Tiwari, Pratik Dash, Deepak Kumar, Abhijit Roy and Rajesh Kumar</i>
6.	Energy optimization of process chiller for coke making by-products <i>Abhishek Sundaram, Vinod Saxena, Hari Tiwari, Pratik Dash, Deepak Kumar, Abhijit Roy and Rajesh Kumar</i>
7.	Comparative study on Selective flocculation of goethitic iron ore fines using different types of flocculants <i>Diptimayee Nanda, N.R. Mandre</i>
8.	Effect of Physico-chemical and Mineralogical Characteristics on Iron Ore Flotation <i>Abhyarthana Pattanaik and Rayasam Venugopal</i>
9.	Role of Cell Hydrodynamics in Flotation: An Overview <i>Kalyani Mohanty, Laxmikanta Sahu</i>
10.	Mineral Matter Characteristics And Combustion Behavior Of Indian Origin Coal <i>Gaurav Nandan, Priya Ranjan Mishra, Rina Sahu and Sanchita Chakravarty</i>
11.	Parameters affecting jigging performance: A review <i>Saroj Sahoo, Nikkam Suresh and Vivek Kashyap</i>

12.	Separation Of Beach Sand Minerals <i>Pradyot Jha, Swapnil Sunny</i>
13.	Applications of rice husk for energy <i>Thonangi Gouri Charan, <u>Kmp Singh</u>, G Udaybhanu and Rumika Oran</i>
14.	Clean Coal Technology <i><u>Vishaka Singh</u></i>
15.	Study on green pellet formation and its properties using dextrin as organic binder <i>Kumar Subham Aditya, Shray Nagle and Aviral Suman</i>
16.	Characterization and potential utilization of fly ash collected from Bokaro Thermal Power Station (BTPS), India <i>Dilip Kumar Rajak, S K Dhakad and Chandan Guria</i>
17.	Fly ash an industrial waste, hazard to environment: A detailed review <i>VarshaParashar and Dilip Kumar Rajak</i>
18.	An approach towards separation of hematite and jasper from (BHJ) <i>Uday Keshri, Pradeep Kumar Nayak and Shubham Upadhyay</i>
19.	Beneficiation And Process Optimization Of Medium Grade Chalcopyrite Ore Using Froth Flotation <i><u>Imkong Rathi</u>and Shravan Kumar</i>
20.	Preparation of fly ash granules with respect to mine filling <i><u>Anamika Masoom</u>, Manish Jain and Venugopal Rayasam</i>
21.	Effect of mineralogical characteristics of Pb-Zn ores on their froth flotation performance <i><u>Sagarika Nanda</u>,<u>ShravanKumar</u> and N.R. Mandre</i>
22.	Characterisation Of Biomass For Its Potential Utilisation As Alternative Source Of Energy <i><u>Amrit Anand</u>, <u>ShaliniGautam</u></i>
23.	A rapid ICP-OES method for the determination of metallic chromium [Cr (M)] and metallic iron [Fe (M)] in Ferrochrome <i>Soni Jha, <u>Jay Narayan Patel</u> andSanchita Chakravarty</i>
24.	Characterization and preliminary flotation studies on coal to produce low ash clean coal <i><u>Mitralkha Patra</u>, <u>RayasamVenugopal</u></i>

25.	Selection of Operating Conditions for Green Pelletization of Goethitic Iron Ore fines <i>Aditya Kumar, Satyanand Patra and Rayasam Venugopal</i>
26.	Floatation of refuse tailing fine coal slurry and its characterization <i>Puja Hansdah, Navin Kumar and Shravan Kumar</i>
27.	Beneficiation of low grade iron ore by using Reduction Roasting and WHIMS <i>Gadde Amarendar, S Sorenand Prabhu Chand Kukkala</i>
28.	An Efficient model for minimizing energy consumption in mining and mineral processing industries <i>Nitish kumar Patel, RakeshRajan Shukla</i>
29.	Effects of Alumina on Iron Ore Pellets properties with respect to different heating rate <i>Rakesh Prasad, R Venugopal, LA Kumarswamidhas and S K Pan</i>
30.	Environmental aspects of Coal Gasification <i>Sujan Saha, Gajanan Sahu, Neelam Kumari, PrakashChavan, Sudipta Datta, Pashupati Dutta and PradeepSingh</i>
31.	Role of Pulp density in froth flotation Cell <i>Bijay Tiwari, Deb PrasadChakraborty</i>
32.	Modeling and Simulation of Preheating Zone of Iron Ore Pelletization Process <i>Kashinath Barik, PallishreePrusti, Surendra Kumar Biswal and Rayasam Venugopal</i>
33.	E-waste management: A step towards safe, sustainable and clean environment <i>Deblina Dutta, Manis Kumar Jha and Sudha Goel</i>
34.	Maceral and Geochemical characteristics of coal seams of Ib valley coal basin, Odisha, for oil and gas generation <i>Akhandal Sahoo, Atul KumarVarma</i>
35.	Mineralogical Characterization and Its Implication on Lead-Zinc Sulphide Ore Beneficiation <i>Aryasuta Nayak and R. Venugopal</i>
36.	Hydrotopes in soap flotation <i>Vijaya Mitra Duggirala</i>
37.	Process flow sheet for the recovery of precious metals from e-waste <i>Rekha Panda, D. D. Pathak and Manis Kumar Jha</i>

Technical Session-K2		SOP II	Date-11.10.18
Venue-GJLT			Time-11:00-12:30PM
Session Keynote-Dr. Ratnakar Singh, CSIR-NML, Jamshedpur			
Topic- Development Of Process Technology For Beneficiation Of Low And Lean Grade Iron Ores For Iron And Steel Making			
1.	Studies on the impact of excess sour vapour on the by-product recovery process <i>Ritesh Chanchal, Shalini Gautam, Hari Tiwari, Pratik Dash, Deepak Kumar, Abhijit Roy and Rajesh Kumar</i>		
2.	Organic Matter Recovery and Ash Rejection in Coal-Oil Agglomeration process using Waste Olive Oil. <i>Darpan Shukla, R.Venugopal</i>		
3.	Development and application of a synthesized polymeric additive for improving flow ability of crude oil through pipeline <i>Barasha Deka and Vikas Mahto</i>		
4.	Mathematical Representation of Coal Cleaning Performance of DM Cyclone and Vorsyl Separator <i>Dejalin Sahu, Ram Chandra Chaurasia and Nikkam Suresh</i>		
5.	Optical and macromolecular investigations of the coals from Himalayan fold-thrust belts, Sikkim, India: A target to produce artificial graphite for nuclear reactors and activated carbons <i>Santanu Ghosh, Atul Kumar Varma, Sutapa Patra, Sitindra Sundar Dirghangi, Vinod Atmaram Mendhe and Shampa Mukherjee</i>		
6.	Classification and Potential Utilization of Eocene Coals of Bapung Coalfield, Meghalaya, North East India <i>Manabendra Nath</i>		
7.	Prospects of utilization of coal/ coal ash as alternative resources for rare earth metals (REMs) <i>Archana Kumari, Rukshana Parween, Sanchita Chakravarty, Kavita Parmar, Devendra DeoPathak and Manis Kumar Jha</i>		
8.	Adsorption of rare earth metals (REMs) from rinse water <i>Archana Kumari, Sunidhi Singh, Kavita Parmar, Devendra Deo Pathak and Manis Kumar Jha</i>		
9.	Improvement Of Flow Property (Cfpp) Of Diesel For High Altitude Applications. <i>Sitesh Suman, Vinod Kumar Saxena, Maya Chakrdhar and .KrishnaraoLopinti</i>		
10.	Structural parameter effect on beneficiation of hematitic low-grade iron ore. <i>H.K. Jena, Alok Tripathy and S.K. Biswal</i>		

11.	Application of a novel surfactant and ultrasonic waves for emulsification of an Indian heavy crude oil in water for pipeline transportation <i>Shailesh Kumar, Barasha Deka and Vikas Mahto</i>
Technical Session-K3 EXHIBITOR PRESENTATION Date-11.10.18 Venue-GJLTTime-12:30-1:00PM	
1.	Advances in enhancing Performance of Thickeners & Optimizing Collector & Frother Performance <i>Mr. Raju Sharma, ION EXCHANGE</i>
2.	<i>INSMART SYSTEM by Mr. P. Pathak</i>
Technical Session-E1 MINERAL PROCESSING I (FERROUS) Date-11.10.18 Venue-Hall 1 Time-2:00-3:30PM	
Session Keynote - Mr. Rajan Kumar, NMDC, Hyderabad Topic- Flotation studies with Iron ore Slimes from Kirandul, Chhattisgarh, India	
1.	Upgradation of Mn/Fe Ratio of Low Grade Ferruginous Manganese Ores <i>Veerendra Singh, Sunil Kumar Tripathy and Amit Kumar Dubey</i>
2.	Design and Evaluation of Novel Spiral separator for beneficiation of Iron ore slime <i>Raviraju Vysyaraju, Arjun Kumar Pukkella and Sivakumar Subramanian</i>
3.	To increase the Recovery of Chrome by optimizing the performance of Screw Classifiers in Chrome Ore Beneficiation Plant at Sukinda Chromite Mine <i>Partha Das, Rakesh Reddy Bandaru, Prerna Kumari and Srinivasulu A</i>
4.	FLOCCULATION OF IRON OXIDES ORE <i>Ranu Srivastava and Ranjit Prasad</i>
5.	Recovery of Iron ore values from tailing pond through Gravity and Magnetic separation at JSW Steel Limited – Case Study <i>Ratnakar Bonda, Harikrishna Maddu, Supartick Gupta, Umasankar Attel, Venkatesh R and Suribabu Pandiri</i>
6.	Microbubble-aided nanoparticle entrainment efficiency in a floatation column <i>Kumari Ruby and Subrata Kumar Majumder</i>
7.	Process Tails reduction by Optimising Hydro Cyclone Operating Parameters at JSW Steel Limited <i>Maddu Harikrishna, Syam Yadav, Attel Umasankar, Venugopal Ram and Mudhunuru Varma Raju</i>

8.	Experimental characterization of external cross sparger <i>Sachinraj D, Prasad Kopparthi, Asim Kumar Mukherjee, Narasimha Mangadoddy and Balaraju Vadlakonda</i>
9.	The flotation processing in solid particle based on the effect of parameters on flotation (case study) <i>Amir Pazoki, Reza RashidiKhabir, Reza Jahanian</i>
Technical session-B2 COAL PROCESSING II	
Date-11.10.18 Time-2:00-3:30PM Venue-Hall 2	
Session Keynote- Dr. D. P. Patil, Alden Resources,USA. Topic-Challenges in Processing of Blue Gem Seam Coal for Silicon Metal Manufacturing	
1.	Improvement opportunities in flotation circuits of Indian coal beneficiation plants: A case study by TATA Steel <i>Jitender Singh, Kunal Mathanker, Suman Krishna Sit and Deba Prasad Chakraborty</i>
2.	Beneficiation of coal by ultrasonic process <i>Pratik Praharaj, S C Patnaik and Archana Mallick</i>
3.	Feasibility Studies on Coal Flotation <i>Jai Patel, Rayasam Venugopal and Chandan Bhar</i>
4.	Demineralization of high ash coals by bacteria: A study on Indian Gondwana coal <i>Aniruddha Kumar, Alok K. Singh, Prakash K. Singh, Asha Lata Singh and Mrityunjay K.Jha</i>
5.	Performance study of froth flotation of coal fines using different reagents <i>Sanjay Kumar, Shravan Kumar and Prasad Kopparthi</i>
6.	Impact of increase in clean coal ash on the yield & rheological properties <i>Bhargav Dhavala</i>
7.	Geo polymer concrete derived from by-products of coal combustion <i>Rachit Ghosh</i>
Technical Session-F STRATEGIC AND PRECIOUS MINERAL	
Date-11.10.18 Time-2:00-3:30PM Venue-Hall 5	
Session Keynote - Dr. T. Sreenivas, BARC Hyderabad Topic-Recovery of some strategic and critical metals from Industrial wastes	
1.	In silico design of ligands for rare earth extractions using accurate density functional theory calculations <i>Sriram Goverapet Srinivasan, Balarama Sridhar Dwadasi and Beena Rai</i>

2.	PGE ore mineralization in the indian deposits and its implications in processing <i>Tonmoy Kundu, Shivakumar I Angadi, Hemanta Kumar Tripathy and Surendra Kumar Biswal</i>
3.	Metallurgical testing, gold deportment studies, and flow sheet development for jonnagiri gold deposit, kurnool district, andhrapradesh <i>Vivek Ranganathan, Hanuma Prasad Modali, Devarajan Mylappally and Sundar Singh R</i>
4.	Characters of scheelite bearing gold-ore tailing sample from hutti and its implications for beneficiation <i>Nilima Dash, Bibhuranjan Nayak, Shivakumar I. Angadi and Nagesh Chaganti</i>
5.	Utilization of Jhama coal in the reduction of ilmenite for production of titanium dioxide <i>Sanjay Prasad and Navneet Singh Randhawa</i>
6.	Flow sheet Development for processing of White tuff material containing precious gem diamonds. <i>Rajeev Sharma and Suman Kalyan Subudhi</i>
7.	A design of experiments study for selective extraction of rare earth elements: neodymium and dysprosium <i>Shally Gupta, Santosh Daware, Venugopal Tammishetti and Beena Rai</i>
8.	Studies on the recovery of precious metals from e-waste <i>Rekha Panda, D. D. Pathak and Manis Kumar Jha</i>
9.	PGE Mineralogy, Occurrence and Beneficiation Practices – A review, with special reference to BNIC ore <i>P. Sahu, M. S. Jena, N. R. Mandre and R. Venugopal</i>
10.	SUSTAINABLE PROCESSING OF RED MUD FOR EXTRACTION OF REES AND TIO2 <i>Abhilash and Pratima Meshram</i>
Technical Session-G1 ENVIRONMENT I Date-11.10.18 Venue-Hall 3 Time-2:00-3:30PM	
Session Keynote- Dr. G N Jadhav, IIT (Bombay) Topic-Role Of Ore-Petrology And Ore-Textures In Mineral Beneficiation Of Different Iron Ore Deposits Of India	
1.	Acid mine drainage in Assam (Northeast India) coal mining Industry: Physico-chemical characteristics of mine water, coal, overburden, soil, sediment, and their seasonal variations <i>Madhulika Dutta, Durlav Saikia and Binoy Saikia</i>

2.	Physico-chemical characterization of atmospheric particulate matters (PM10) collected around rail traffic: a study on the airborne minerals <i>Najrul Islam, Shahadev Rabha and Binoy Saikia</i>
3.	Electrolytic Waste Water Treatment – An Alternative Possibility in Mineral & Mining Industry <i>Rama Murthy Yanamandra, Avinash Reddy, Krishan Kumar Aggarwal and Sunil K Tripathy</i>
4.	Three tier vegetation in coalmine overburden dumping ground of Assam Makum Coalfields <i>Hari Prasanna Deka Boruah, Channa Chikkaputaiah, Dipankar Neog, Jayanta Jyoti Bora and Binoy Kumar Saikia</i>
5.	Design and Simulation of Terracing and Rain Water Channeling for Coalmine Overburden (OB) Dumping Site Eco-restoration in North East Opencast Coalmine <i>Dipankar Neog, Jayanta Jyoti Bora, Binoy Kr Saikia and Hari Prasanna Deka Boruah</i>
6.	Removal and recovery of cyanide from mineral processing wastewater <i>Babli Prasad and Krishna Kant Kumar Singh</i>
7.	Arsenic mobilization and ground water contamination in Brahmaputra river basin- a study in golaghat dist. of Assam, India <i>Maridual Chetia</i>
8.	Implementation of 3-R concept and effective water management in iron ore mining sector <i>S. K. Chaurasiya, Ajay Singh</i>
9.	Processing of solid wastes from mines, mineral processing and metallurgical plants a case study <i>P Sharathkumar, Belavadi Ravi, Mahesh Patil, Sirigere Gopalkrishna, Prakash Naganoor and Chitriki Rudrappa</i>
Technical Session-H1 Venue-Hall 4	
AGGLOMERATION I	
Date-11.10.18 Time-2:00-3:30AM	
1.	Microscopic studies on slag formations and parameters affecting the strength of fired pellet quality A Case Study <i>Karamjith Sharma, Gautam Banerjee and Sirshendu Chattopadhyay</i>
2.	Influence of weathering and transportation on iron ore sinter properties <i>Vijay Tiwary, Mithilesh Jha, Anant Prakash and Sandip Bhattacharyya</i>

3.	Study of green pellet formation of different LOI iron ore samples <i>Pallishree Prusti, Kashinath Barik, DandaSrinivas Rao and Surendra Kumar Biswal</i>
4.	Enhancement in under grate suction for improving sinter quality in sinter plant – II, RSP <i>Kevin karren Bhengra, Mahadeo Roy, Mithilesh Kumar Singh, Santanu Kumar Mohanta, Sandeep Awasthi, Swapan Kumar Pan, Sameer Rajan Dutta</i>
5.	Effect of Particle size iron ore pellet properties <i>KiranYelemkar, SwarRaje, Janardhan Jeurkar, Sanjeev Bhasin</i>
6.	Improving Cold Compression Strength Of Iron Ore Pellets By Using Colemanite <i>Shaik Mahaboob Basha, Chandra Sekhar, Srinivas Dwarapudi</i>
7.	Study on the effect of alkali metals on the reduction of blast furnace flue dust composite briquettes <i>Susanta paramanik, Ritwik Das</i>
Technical Session E2 MINERAL PROCESSING II (FERROUS) Date-11.10.18 Venue-Hall 1 Time-4:00-5:30PM	
Session Keynote-Dr. C Raghu kumar, TATA STEEL, Jamshedpur Topic- Evolution of hydraulic classification and its importance in mineral Industry	
1.	Thermally assisted beneficiation of a low-grade iron ore: A study of characterization and magnetic separation <i>Swagat Satyagopal Rath, Nilima Dash, Shivakumar Angadi and Surendra Kumar Biswal</i>
2.	Comprehensive Utilization of Banded Iron Ores: An innovative approach <i>Nigamananda Ray, Deepak Nayak, Nilima Dash, Swagat S. Rath and Surendra Kumar Biswal</i>
3.	Utilization of a manganese ore fine from central india in view of mineral conservation – a case study <i>M.G. Raut, Dillip R. Kanungo, Sandhya Lal and Indira Ravindran</i>
4.	Issues of technology development for utilization of waste to commercialization in iron ore Industries <i>Rajan kumar</i>
5.	Beneficiation studies of Manganese ore fines using dry magnetic separation <i>Sharath Bhoja, Sunil kumar Tripathy, C Raghu Kumar, Veerander Singh, D P Chakraborty and Rajib Mohanty</i>

6.	Selective Flocculation of Iron Ore Slimes using Xanthan Gum <i>Santosh Daware, Venugopal Tammishetti and Beena Rai</i>
7.	Extraction of nickel from sukinda chromite. <i>Anurag Jain</i>
8.	In plant scale beneficiation of a ferruginous manganese ore <i>Udyal Umamaheshwar Reddy, Sirigere Gopalkrishna, Belavadi Ravi, Sharath P, Mahesh Patil, Prakash Naganoor and Chitriki Rudrappa</i>
9.	Process amenability studies on low grade ferruginous manganese ore <i>R. V. Vinayak Kumar, M.R. Patil, B. P. Ravi, Suresh Yadav</i>
Technical session-E5 INDUSTRIAL MINERAL I Date-11.10.18 Venue-Hall 5 Time-4:00-5:30PM	
Session keynote- Dr. A. Bandyopadhyay, CDE ASIA Topic-APPLICATION OF CDE COMPACT PLANT TECHNOLOGY IN INDUSTRIAL MINERAL PROCESSING	
1.	Characterization and Influence of impurity minerals on beneficiation of low grade kaolin deposit <i>Mahesh Kulkarni and Gajananrao Jadhav</i>
2.	Pre-Graphite Flotation <i>Surya pratap singh</i>
3.	zero waste process evolution for a low grade limestone <i>Chitriki Rudrappa, Belavadi Ravi, Sharath P, Sirigere Gopalkrishna, Mahesh Patil, Prakash Naganoor and Mv Rudramuniyappa</i>
4.	Process amenability study on a barite <i>Mahadev Khandali, Belavadi Ravi, Sharath P, Mahesh Patil, Sirigere Gopalkrishna, Prakash Naganoor and G Shaila</i>
5.	Performance of a Knelson Concentrator in Recovering PGE values from the Low Grade BNIC PGE ores <i>M. S. Jena, P. Sahu, P. Dash, M. Satyanarayanan, R. Venugopal and N. R. Mandre</i>
6.	An enhanced-gravity method for the beneficiation of pyritic limestone <i>Subrata Roy, Amit Chatterjee, Hemant Aiyer</i>
7.	Beneficiation of Silica Sand Using Spiral Separators and IRMS for the Glass Industry <i>Glen Rampola Alex D Costa and Rohan Avasthi</i>

Technical Session-G2		ENVIRONMENT II	Date-11.10.18
Venue-Hall 3			Time-4:00-5:30PM
<p align="center">Session Keynote- Dr. B. P. Ravi, VSK University, Belary</p> <p align="center">Topic-Process to Prosper By Nil Waste Process Evolution of Solid Wastes from Mines and Plants For Sustainable Development</p>			
1.	<p>Development of value-added magnetically separable Nano product from minerals industry waste and its photocatalytic environmental remediation applications <i>Purna K Boruah, Pinaki Sengupta and Manash R Das</i></p>		
2.	<p>Mechanical and Thermal Treatment of Waste Foundry Sand <i>Mohd Moiz Khan, G.N Jadhav, S. M. Mahajani, R. Vishwakarma, D. Gosavi and S. Mandre</i></p>		
3.	<p>Effective Recycling and Utilization of BOF Dust by Two Stage Beneficiation <i>Ela Jha and Sujay Kumar Dutta</i></p>		
4.	<p>Utilization of waste iron oxide of ilmenite processing to produce fine powder of metallic iron <i>Raman Raj, Deepika Kumari Sahu, Aarti Kumari, Ranjit Prasad and S. Ranganathan</i></p>		
5.	<p>Reprocessing of Iron ore beneficiation plant tails to cement grade for reuse <i>Mahesh Patil, Belavadi Ravi, Sharath Kumar P, Sirigere Gopalkrishna, Chitriki Rudrappa, Prakash Naganoor and C Venkatiah</i></p>		
6.	<p>Effect of coal fly ash on the growth of microalgae in water and waste water <i>Prabhat Jaiswal, Vinod Kumar Saxena and Satya Narayan Naik</i></p>		
7.	<p>Synthesis of alkaline cement from metallurgical slags using geopolymerization at ambient temperature <i>Susanta Nath and Sanjay Kumar</i></p>		
8.	<p>Recovery of metallic values from the ferrochrome slag using an advanced gravity concentrator <i>Surya K. Das, Sunil Tripathy and Shivakumar Angadi</i></p>		
9.	<p>An assessment for the recycling of rechargeable Batteries <i>Pankaj Pathak, Karan Chabhadiaya, Yash Pujara, Rhytham Niranjani, Upasna Jadeja, Chaitali Chaandekar, Janki Govani</i></p>		
Technical Session-B3		COAL PROCESSING III	Date-11.10.18
Venue-Hall 2			Time-4:00-5:30PM
<p align="center">Session Keynote- Dr. Sanchita Chakravarty, CSIR-NML, Jamshedpur</p> <p align="center">Topic- Rare Earth Elements: A potential resources of coal and coal by products</p>			

1.	Advanced technologies to wash Indian coal <i>Jimmy Yu, Bob Hollis, Shuyan Zhao and Amit A</i>	
2.	Beneficiation of High Ash Indian Fine Coal using Spiral Separator <i>Thonangi Gouri Charan, <u>K M K Sinha</u>, KMP Singh and Gopal Shankar Jha</i>	
3.	Effects of reactivity on porosity of metallurgical coke: A case study <i>Deepak Kumar, Vinod Saxena, Hari Tiwari, Vijay Tiwary and Sandip Bhattacharyya</i>	
4.	Study of particle separation in centrifugal flowing film concentrator <i>Ranjeet Kumar Singh, Kisor Kumar Sahu and Ratnakar Singh</i>	
5.	Conversion of hematite fines to magnetite used for heavy media separation using CNG (Compressed Natural Gas) <i>D.C. Sau, M.K. Runda and Manoj Kumar</i>	
6.	Advances in spiral automation and ultrafine coal processing <i>A.De Andrade, J. Agenbag, G. Dcosta, Siba sankar patra</i>	
7.	Nano-mineralogy and geochemistry of feed coals and their coal combustion residues from two Indian coal-based industries: implications for health hazards <i>Binoy Saikia and <u>Shahadev Rabha</u></i>	
8.	Co-Gasification of high ash Indian Coal with different agriculture bio mass and their reactivity assessment for better fluidization <i>Alka D Kamble, Prakash D Chavan, Vinod Kumar Saxena, V A Mendhe</i>	
9.	Extraction of rare earth metals (REMs) from coal and coal ash <i><u>Archana Kumari</u>, Rukshana Parween, Sanchita Chakravarty, Kavita Parmar, Devendra Deo Pathak and Manis Kumar Jha</i>	
Technical Session-D2 Venue-Hall 4	COMMUNITION II	Date-11.10.18 Time-4:00-5:30PM
Session Keynote- Prof V K Gupta, IIT (ISM) Dhanbad Topic- Recent advances in understanding size reduction in ball mills		
1.	Energy Efficient High Pressure Grinding Rolls to Treat Low Grade PGE Ore. <i>Talasetti Santosh, Soni Rahul Kumar, Angadi Shivakumar, <u>Chinthapudi Eswaraiah</u> and Rayasam Venugopal</i>	
2.	Liberation studies of high ash low volatile medium coking coals <i><u>Uday Chattopadyay</u>, Sreemantha Dutta, Eesh Kumar, Thonangi Gouri Charan and Pradeep Kumar Singh</i>	

3.	Product Size Distribution and its Washability Characteristics while crushing the coal through Drop Breakage and Single Roll Crusher <i>Subhash Chandra Maji, UdayChattopadyay, Prabha Shankar Prasad, Thonangi Gouri Charanand Sujit Kumar Kabiraj</i>
4.	Studies on comminution characteristics of carbonatite rock to determine the energy and kinetic parameters of ball mill <i>Satyasish Rout, Rahul Soni, Talasetti Santosh and Chinthapudi Eswaraiah</i>
5.	Liberation studies of working seams of coking coal of Sijua group of collieries, Tata Steel Limited - A case study <i>Nedunuri Venkata Sairam, BallaSrinivasa Rao, Surajit Sarkar,Deepak Kumar Gorai, PudiSrinivasa Rao and Atul Kumar Bhatnagar</i>
6.	Optimization of process parameters during grinding in high pressure grinding roll <i>ChintadaUmasankar, Jitendra Kumar Sadangi, Sarada Prasad Das and Brij Kumar Dhindaw</i>
7.	Mobile Crushing Technology- Evolution and Application in Indian Scenario. <i>Om Dwivedi and Srinivas Nandikanti</i>
8.	Grindability studies of a Typical Indian Sub Grade Iron Ore sample <i>Gottumukkala Venkateswara Rao, Ravvala Markandeya and Rajan Kumar</i>
9.	HPGR circuits for Mineral Processing <i>F.P.Vandermeer, H. Knapp</i>
Technical Session E3 MINERAL PROCESSING III (FERROUS) Date-12.10.18 Venue-Hall 1 Time-9:00-11:00AM	
1.	Magnetic beneficiation of Low-Grade Manganese Ore from Odisha, India <i>Patitapaban Mishra, Pradeep Mallick, Nilima Dash and Birendra Kumar Mohapatra</i>
2.	Investigations on the silicothermic reduction of manganese ore <i>NavneetRandhaawa, Rajesh Minj, SatadalGhorai, Ajay Mishra, Krishna Kumar, Deo Prakash Singh and Jai Narayan Patel</i>
3.	Upgradation of Low-grade Siliceous Chromite ore from Ghutrigaon area, Dhenkanal district, Odisha, India <i>Asish Kumar Das, Somnath Khaoash, Patitapaban Mishra, Jaykrushna Mohanty, Sarada Prasad Das, Nilima Dash and Birendra Kumar Mohapatra</i>

4.	To Study the Recovery of Iron Values from a High LOI Iron Ore Through Reduction Roasting Process <i>Piyush Kumar, Prabhas Chandra Beuria and Surendra Kumar Biswal</i>
5.	Flow sheet development studies on an iron ore sample from Central Karnataka <i>B. Suresh Kumar, V.A.J. Aruna and Indira Ravindran</i>
6.	Processing of slimy iron ore dressing plant tails <i>Umesh Shivanigi, Belavadi Ravi, P Sharath Kumar, <u>Sirigere Gopalkrishna</u>, Mahesh Patil, Prakash Naganoor and Chitriki Rudrappa</i>
7.	Developments in new Gravity Separator Technologies for Mineral Beneficiation <i>Glen Rampola Alex D Costa, Siba Sankar Patra</i>
Technical session-B4 COAL PROCESSING IV Date-12.10.18 Venue-Hall 2 Time-9:00-11:00AM	
Session Keynote- Dr. Binoy Saikia, CSIR-NEIST, Jorhat. Topic- Low-grade high-sulfur coal as abundant source of fluorescent carbon quantum dots	
1.	Geochemistry of rare earth elements in Lower Gondwana coal from the Talcher Coal basin, India <i><u>Rupa Biswas</u>, Sanchita Chakarvarty and Vivek Mishra</i>
2.	Application of FactSage to predict ash melting behavior <i>Naresh Kumar, R Venugopal, S Soren, Sanchita Chakravarty, Rina Sahu and <u>Priya Ranjan Mishra</u></i>
3.	Quality Improvement of Heat Altered Coal by Oil Agglomeration <i><u>Sanchita Chakravarty</u>, Saswati Chakladar, Ashok Mohanty, Mamta Sharma and Rupa Biswas</i>
4.	Reduction of imported coal in coke making in SAIL plants to reduce coal blend cost <i>K.P. Jayakumar Pillai, SalilBhattacharjee and RanjanKumar Barman</i>
5.	Renovation of four Coking Coal Washeries of BCCL <i>N.K Suresh, V.K Rao and Aditya Raj Suman</i>
6.	Effect of feed solids concentration on settling rate of coal for clarification of washery water(Waste) by polymer Flocculation <i><u>Sarika pimpalkar</u>, Nikkam Suresh, Gurdeep Singh</i>

7.	Cleaning of high ash Indian coal fines(-3.0mm) using a water-only cyclone <i>Abhishek Anand Hembrom, Nikkam Suresh</i>
Technical Session-C2 METALLURGY II Date-12.10.18 Venue-Hall 3 Time-9:00-11:00AM	
Session Keynote- Dr. Abhilash, CSIR-NML, Jamshedpur Topic- Sustainable Processing Of Secondary Resources For Extraction Of Strategic Metals	
1.	Separation Of Iron From Acidic Iron Rich Potash Solution Obtained During Processing Of Glauconitic Clay <i>Saurabh Shekhar, D Mishra, A Agrawal, K. K Sahu and Shivendra Sinha</i>
2.	Precipitation of rare earths from the leachate of a coal fly ash <i>Serajuddin Md</i>
3.	Hydrometallurgical process for the extraction of rare earth metals (REMs) from diluted aqueous solution <i>Archana Kumari, Sunidhi Singh, Kavita Parmar, Devendra Deo Pathak and Manis Kumar Jha</i>
4.	Hydrometallurgical processing of alloy ash for selective recovery of zinc and lead <i>Pratima Meshram, Abhilash, Nallusamy Vasumathi and J N Patel</i>
5.	Process modelling and metal separation in air-lift reactor bioleaching of sea nodules <i>Rohit Meshram, Abhilash, Pratima Meshram, Kapil Deo Mehta and Banshi Dhar Pandey</i>
6.	Extraction of Cobalt from Lithium ion batteries following Solvent Extraction (SX) process <i>Deblina Dutta, Manis Kumar Jha and Sudha Goel</i>
7.	General Characteristics and gainful utilisation of steel plant slag in environmental prospectives <i>M Choubey, R Venugopal</i>
Technical Session-H2 AGGLOMERATION II Date-12.10.18 Venue-Hall 4 Time-9:00-11:00AM	
Session Keynote- Dr. Srinivas Dwarapudi, TATA-STEEL, Jamshedpur Topic- Establishing Right Pellet Chemistry for the 6 MTPA Capacity Iron Ore Pelletizing Plant at Tata Steel, Jamshedpur, India	
1.	Beneficiation Response Of A Waste Dump Fines From Eastern India For The Production Of Sinter And Pellet Feed <i>Rajendra Kumar Rath, Manoj Kumar Mohanta and Ratnakar Singh</i>

2.	Improvement of RDI and RI of Iron ore sinter by improving porosity network and mineralization through selective granulation of input raw material <i>Sudip Acharyya, Swapan Pan and Mahadeo Roy</i>
3.	Studies on utilization of sukinda chromite fines via sintering route for charge chrome production <i>Sanjay Agarwal, Jagannath Pal and Dinabandhu Ghosh</i>
4.	Statistical approach for predicting and optimising the physical properties of sinter by usage of HMDS Slag Case Study at JSW Steels limited <i>Sharanappa Kalshetty, Rudramuniappa M V, RatnakarBonda and Ashwin A</i>
5.	Investigation on the softening-melting behaviors of iron ore pellets with the combination of ferrous burdens of Blast Furnace <i>Shriprakash Sudhir, SatrugshanSoren and Golap Md Chowdhury</i>

Technical Session-E6 **INDUSTRIAL MINERAL II** Date-12.10.18
Venue-Hall 5 Time-9:00-11:00AM

1.	Flow sheet development for a low grade graphite sample from Republic of Madagascar <i>Prasanna Kumar Sampathirao, Veerabhadra Rao, V.A.J. Aruna and Indira Ravindran</i>
2.	Beneficiation of Limestone Rejects for Utilization in Cement Industry – An Impetus for Mineral Conservation and Resource Augmentation <i>V.V.R. Murty, Dillip R. Kanungo, SandhyaLal and Indira Ravindran</i>
3.	Mineral Characterization and Beneficiation Studies on a Low grade Glauconitic Sandstone from Vindhyan Super Group, Bihar, India <i>S. Pani, S. K. Nanda, Dillip R. Kanungo, S. Lal and Indira Ravindran</i>
4.	Silica Reduction by beneficiation of low grade bauxite – A Case Study <i>Manoj Modi, Buddhiprakash Meena and Saurav Kumar</i>
5.	Physical beneficiation of quartz to remove trace impurities for photo voltaic application. <i>Shiva Prasad , Janardhan Jeurkar Mahesh Kulkarni, Sanjeev Bhasin</i>

Technical Session E4**MINERAL PROCESSING IV (NON-FERROUS)**Date-12.10.18
Venue-Hall 1 Time-11:30-1:00PM

Session keynote-Dr. Viswanathan, ZEISS Pvt. Ltd
Topic- Geometllurgical characteristics and Process minerology of Indian lead zinc ores and their bearing on the mettallurgical parameters of quality and recovery – some examples from Indian Lead Zinc mines

1.	Tailing Re-processing to recover metal values <i>Suryapratap singh</i>
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2.	Lead - Zinc Beneficiation Plant, Abakaliki, Nigeria <i>Saibal Ghosh, Mihir D.M, P Srinivas and Tabish Ali</i>
3.	Beneficiation study on a very low grade Zinc ore from Central India – A way forward for efficient utilization <i>V.V.R. Murty, Dillip R. Kanungo, Sandhya Lal and Indira Ravindran</i>
4.	Assessment of textural and heavy mineral concentration in Fluvial deposits of Brahmagiri delta, Odisha, India <i>Jagadeeswari Vanamu and Sunita Routray</i>
5.	Effect of reagent dosages on the entrainment factor of flotation of copper ore at laboratory scale <i>Mousumi gharai, Venugopal Rayasam</i>
Technical Session-H3 AGGLOMERATION III Date-12.10.18 Venue-Hall 4 Time-11:30-1:00PM	
1.	A selective granulation process of high Al₂O₃ iron ores to improve sintering behaviour and sinter qualities <i>Akhil singh</i>
2.	Statistical Approach for Prediction and Optimization of Sinter Properties with Washed Iron Ore Fines <i>Ratnakar Bonda, VinayakBhosekar, Avb ABrahmacharyulu, A A Ashwin, V Prabhu and Vr Sekhar</i>
3.	Amenability of BMQ for pellet making <i>P Sharath Kumar, Belavadi Ravi, Ge Shreedhar, UdyalUmamaheshwar Reddy, Basavaraj Karadkal, G Shailaand A Ayyakannu</i>
4.	Effect of Cooling Rate on Cold Compressive Strength of Carbon-Burdened Hematite Pellets <i>Ammasi A and Pal J</i>
5.	Pelletization studies on beneficiated magnetite concentrate <i>P Sharathkumar, Belavadi Ravi, Sirigere Gopalkrishna, Prakash Naganoor, Chitriki Rudrappa, Mahesh Patil and Ge Shreedhar</i>
Technical Session-I MODELLING SIMULATION AND PLANT DESIGN Date-12.10.18 Venue-Hall 2 Time-11.30-1:00PM	
1.	Data Reconciliation by Successive Linearization: The shortfalls <i>Rahul Soni and S. P. Tiwari</i>
2.	Predicting the HPGR performance using DEM modelling technique <i>Amit Kumar, Bern Klein, Chengtie Wang, Genzhuang Li</i>

3.	Studying the effect of magnetic liner on ball mill performance using DEM <i>GenZhungli, Bernklein, Amitkumar, Rroufail</i>
4.	Gas Holdup And Bubble Size Distribution In Microstructured Flotation Column <i>Ritesh Prakash, Subrata K Majumder and Anugrah Singh</i>
5.	CFD simulation studies on fluidization of monosized particles under hindered settling <i>Anmol Awasthi, Prasad Kopparthi and A K Mukherjee</i>
6.	Designing & Modelling of bigger hydrocyclone for delivering smaller cut point <i>Pooja Kumari, Kaushik Sengupta, Narashima Mangadoddy,</i>
7.	Debottleneck AG/SAG and Ball mills through Holistic Modelling and Energy Efficient Discharge System <i>Sanjeeva Latchireddi, Rao Latchireddi</i>
8.	Impact of Plant Design Process on Project Economics <i>Subham Verma, Swadhin Saurabh and Rainer Stephenson</i>
Technical Session-J MISCELLANEOUS & DEWATERING Date-12.10.18 Venue-Hall 5 Time-11:30-1:00PM	
Session Keynote- Dr. Om Prakash, Metso India Pvt. Topic-Glimpses of all Past International Coal Preparation Congress	
1.	Risk Assessment and Disaster Management Plan in Tasra Project of Chasnala Group of Coal Mines <i>Girijesh Kumar, Neelesh Sharma, Bijay Sinha and Shyam Singh</i>
2.	Effects of press-filter operating parameters on filtration efficiency of iron ore concentrate <i>Suribabu Pandiri, Mudhunuru Varma Raju, Kumar Abhishek and T Uma Devi</i>
3.	Batch sedimentation studies on beneficiation tailings of sludge <i>Mudhunuru Varma Raju, Sandeepa B, Suri Babu Pandiri and Uma Devi T</i>
4.	Experimental investigations on the tribological characteristics of TiO₂ metal nano particles (MNP) additives with Acacia Concinna biodiesel- diesel fuel blends <i>Vishal Saxena, Vinod Kumar Saxena and Niraj Kumar</i>
5.	De-Bottlenecking of Vertical pressure Airblow filter for optimizing Moisture and Throughput at JSW Steel Limited <i>Ratnakar Bonda, Harikrishna M, Benjamin Walter, Venugopal Mr, Umasankar Attel and Venkatesh R</i>

6.	Development of technology for growth of Iron ore industry <i>Rajan Kumar</i>
7.	Studies on the effect of chemical conditioning on the tribo-electrostatic separation of coal- quartz powder <i>Santosh KumarMohanta, Swagat S Rath and RanjanKumar Dwari</i>
8.	Reduction of imported coal in coke making in SAIL plants to reduce coal blend cost. <i>K P Jaykumar, Salil Bhattacharjee, R K Barman</i>
9.	CFD analysis on the effect of outer vortex finder length on water split behaviour in hydrocyclone <i>Shashank Shekhar Pathak, Arun Kumar Majumder</i>
10.	Business Opportunities for Production of Value Added Products from Primary and Secondary Resources through Investment and Academia Collaboration <i>Adel Ismail</i>
11.	Energy, exergy and environmental analysis of thermal power plants <i>Vivek Kumar , V K Saxena, Rakesh Kumar</i>
Technical Session-C3 METALLURGY III	
Date-12.10.18 Time-11:30-1:00PM Venue-Hall 3	
Session Keynote- Dr. C. Kesava Rao Topic- The role of hydrometallurgy in mines waste management	
1.	Silicone Oil based emulsion leaching of Cu, Ni, and Co from Complex sulfide minerals (Cu-Fe-Ni-Co-S) at moderate temperature-pressure <i>Shivendra Sinha, Devabrata Mishra, Kamla Kanta Sahu, Archana Agrawal and Saurabh Shekhar</i>
2.	Solvent Extraction of Tungsten from Alkaline Solution for Production of High Pure W-Powder <i>Noopur Deshmukh, Archana Agrawal, Kamala Kant, Sanjay Agarwal and Devabrata Mishra</i>
3.	New Insights into the Reduction Behaviour of Iron Ore Slimes: A Mechanistic Study of Phase Transformation <i>Deepak Nayak, Nigamananda Ray, Nilima Dash, Subhnit Kumar Roy, Swagat S. Rath and Surendra Kumar Biswal</i>

4.	Cobalt recovery from high iron containing acidic leach liquor generated during processing of Tungsten-Carbide Scraps <i>Preeti Karmakar, Ranjan Pradhan, Archana Agrawal, K KSahu and D. Mishra</i>
5.	Studies on extraction of Hafnium and Zirconium from solid zirconium frit disposed off after recovery of nitric acid <i>Arbind Kumar, MRP Reddy and NR Mandre</i>