

International Seminar on Mineral Processing Technology
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LIST OF ABSTRACTS ACCEPTED FOR PRESENTATIONS IN MPT – 2009

Sl.No	Title of the abstract	Organizations	Authors	Corresponding author
1	Environmental Solutions for Phosphate-Processing Wastes	Cairo University, Dept. of Mining. Giza 12613, Egypt	A.A. Negm A.-Z.M. Abouzeid	abdel.abouzeid@gmail.com
2	Ausmelt <i>versus</i> Pressure leaching	Dept. of Mining, Metallurgical, and Materials Engineering Laval University, Quebec City, Canada	Fathi Habashi	Fathi.Habashi@arul.ulaval.ca

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3	Minimal Erosion Hydrocyclone: Design with Computational Fluid Dynamic Analysis	Minerals, Metals & Materials Technology Centre and Department of Mechanical Engineering, National University of Singapore, Singapore 117576	Arun S. Mujumdar and Peng Xu	mpeasm@nus.edu.sg
4	Power coal beneficiation in India-prospects and predicaments	Hira Arcade, Pandri, Raipur - 492 002	Lakshma Prasad	lkp46ster@gmail.com lakshman05@rediffmail.com
5	Optimisation and Kinetics of leaching of Khasa Oxidised copper ore	Department of Mining and Metallurgy, Amirkabir University of Technology, 424 Hafez Ave., Tehran, Iran Ph.D. Student, Department of Mining and Metallurgy, Amirkabir University of Technology, 424 Hafez Ave., Tehran, Iran Head of Mineral Processing Division, Geological Survey of Iran, Tehran, Iran	B.Rezaei, M.A.Mohammadi, S.A.Fazeli	m_mohammadi@yahoo.com , m_mohammadi@yahoo.com

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6	Study of Iron Removal Kinetics for Calcined Diasporic Bauxite	Department of Mining and Metallurgy, Amirkabir University of Technology, 424 Hafez Ave., Tehran, Iran	B.Rezai, M.Moazemi Goodarzi	mehdi.moazemi@gmail.com
7	Dephosphorization of Magnetite Fines: Non-ionic Surfactant as Atrac Collector Modifier	Division of Mineral Processing, Luleå University of Technology, SE-971 87 LULEÅ, Sweden	K. Hanumantha Rao	Hanumantha.Rao@Itu.se
8	Recycling of process water and flotation selectivity in sulphide ore processing	Division of Mineral Processing, Luleå University of Technology, SE-971 87 LULEÅ, Sweden		Hanumanth.Rao@Itu.se
9	Solvent Extraction Study of Froth Floated Clean Coal	R&D Department, TATA STEEL, Jamshedpur, 831001 , India	Pinak Pani Biswas, P K Banerjee	biswaspinakin@tatasteel.com
10	Agitating leaching kinetics in iron removal from kaolin washing plants tailings	Mining and Metallurgical Engineering, Amirkabir University of Technology, Hafez St, Tehran, Iran	M.Gharabaghi, B. Rezai, M. Irannaijad	

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11	Growth and Metal Bioaccumulation in Lemon Grass(Cymbopogan Flexusus) Nees ex Steud) Wats-A case study for Phytostabilisation and revegitation of iron ore Tailings	Institute of Minerals and materials Technology,Bhubaneswar, India	M.Mohanty, N.K.Dhal, P.Patra, B.Das and P.S.R.Reddy	nkdhal@immt.res.in
12	Utilisation of coarse Phosphate waste Rejects aggregates in concrete Mix	Assiut University, Dept. of Mining & Metallurgy, Assiut 71516, Egypt.	A.A.Ahmed and A.Z.M. Abouzeid	Abdel.abouzeid@gmail.com
13	Beneficiation and Purification of Limestone for application in PVC pipes Manufacturing	Mineral Processing Division, National Metallurgical Laboratory, Jamshedpur	R.Singh, R.K.Rath, D.S..Rao, S.Chandrasekhar, K.K.Sahu and K.K.Bhattacharyya	ratnakar_singh@yahoo.co.uk
14	Processing of fine grained Limestone for special applications	Mineral Processing Division, National Metallurgical Laboratory, Jamshedpur	R.Singh, R.K.Rath, D.S..Rao, S, K.K.Sahu and K.K.Bhattacharyya	ratnakar_singh@yahoo.co.uk
15	Beneficiation of Chah-Palang Tungsten-Copper ore by Gravity and leaching methods	Geological Survey of Iran	G.R.Mollataheri, A.Amin and H.Abdollahi	Hadi_abdollahi2003@yahoo.com

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16	Oxidative pressure leaching of refractory uranium mineral from a high grade rare metals ore	Mineral Processing Division Bhabha Atomic Research Centre AMD Complex, Begumpet HYDERABAD 500 629	M.Manmadha Rao, K.C.Rajan, N.Balachandran T.Sreenivas and N.P.H.Padmanabhan	nphpadmanabhan@gmail.com
17	Techno-Economics of low grade hematite iron ore utilisation	MECON Limited, Ranchi	R K Verma ,P K Singh	http://www.meconlimited.co.in
18	Recovering iron values from slimes approach by Tata Steel	Tata steel, Jamshedpur	D.P.Chakraborty, Arun Misra and R.Srikanth	d.chakraborty@tatasteel.com
19	Sedimentology of Quaternary deposits in the Qeshm island,Iran,from the point of beneficiation	Hormozgan university,Iran & Lorestan university.	Payman Rezaee and Reza Zarei Sahamieh	Payman_rezaie@yahoo.com
20	Waste Recovery from ConArc slag	Ispat Industries Limited, Dolvi, Maharashtra	Pradip K Patra, Jayanta Kanjilal, Amit Kumar Sinha, Swathi Siddabathula	pradip_patra @Ispatind.com

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21	Potentials of alternative Energy Minerals in Egypt	The Central Metallurgical Research and Development Institute, Cairo, Egypt	A.K.Ismail	akismail@cmrdi.sci.eg
22	Microbial beneficiation of high alumina containing Guali iron ore	<i>Institute of Minerals and Materials Technology, CSIR, Bhubaneswar, 751013, India</i>	M. Mishra, M. Pradhan, L. B. Sukla, B. K. Mishra	lbsukla@immt.res.in
23	Microbial Extraction of Nickel and Cobalt from Chromite overburden of Sukinda Mines using <i>Aspergillus</i> Sp.	<i>Institute of Minerals and Materials Technology (CSIR), Bhubaneswar, Orissa-751 013</i>	Sunil kumar Behera, Smaranika Mohapatra, Biswarupa Satpati, Lala Bihari Sukla, Barada Kanta Mishra	lbsukla@immt.res.in

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24	Microbial Recovery of Copper through Bio heap leaching of low-grade Copper ore at HCL, Malanjkhand	<i>Institute of Minerals and Materials Technology (CSIR), Bhubaneswar, Orissa-751 013</i>	S.Panda ¹ , S.Singh ¹ , N.Pradhan ¹ , K.C.Nathsarma ¹ , T. Subbhai ¹ , M.K.Ghosh ¹ , B.K. Mohapatra ¹ , K.S.Rao ¹ , C.K.Sarangi ¹ , S.Behera ¹ , P.R.Behera ¹ , L.B.Sukla ¹ , B.K.Mishra ¹ G.L.Bhatoa ² , B.L.Bhagat ² , S.K.Ray ² , M.S.Prasad ²	tsubbaiah@immt.res.in
25	The recovery of silver and mercury from return water of gold cyanidation process using activated carbon	a: Academic center for education, culture & research, Jahad e Daneshgahi Tarbiat modares, Tehran, Iran b: Department of Mining Engineering, Tarbiat Modares University, Tehran, Iran	Ali Ghaffari ^{a*} , Mahmoud abdollahy ^b	ghaffari_62@yahoo.com

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26	Bench and large scale leaching studies for extraction of manganese from low grade Mn ore of Gujarat Mineral Development Corporation	Institute of Minerals and Materials Technology, Bhubaneswar-751013, Orissa, India	D. Hariprasad, K. Snajay, M.K. Ghosh, T. Subbaiah and S. Anand	tsubbaiah@immt.res.in
27	Performance improvement with the help of IT	Retd, Director, CMRI, Dhanbad	Prof. D.D.Mishra	
28	Need of Information Security Policy and Periodic Audit	Retd, Director, CMRI, Dhanbad	Prof. D.D.Mishra	
29	Treatment of Acid Mine Drainage using Fly Ash Zeolite	*Central Institute of Mining and Fuel Research , Dhanbad-826 015, Jharkhand. ** School of Earth and Environment, University of Leeds, Leeds LS29JT, United Kingdom	Bably Prasad* and Robert J.G. Mortimer**	drbablyprasad@yahoo.com
30	Utilisation of Low grade-non Gibbsite Bauxite for Industrial Production of Metallurgical and Special Grades of Alumina	JSC Rusal-VAMI : St. Petersburg : Russia	Dr. Andrey Panov, Dr. Alexander Suss, Mr. B.S. Pani	Andrey.Panov@rusal.com

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31	Characterization, Beneficiation & Utilization of Gujarat Clay	Ashapura Minechem Limited, Innovation and Knowledge Centre, Jeevan Udyog Building, III Floor, 278 D N Road, Fort, Mumbai	K. Suresh*, V. Ghangale, K. Mahesh, Shanth Kumar and S.K. Jatty	Tel:22-2752 0512 ksuresh@ashapura.com, drks99@yahoo.com
32	Beneficiation of Calcarious Bauxite for the Production of Calcined Bauxite	Ashapura Minechem Limited, Innovation and Knowledge Centre, Jeevan Udyog Building, III Floor, 278 D N Road, Fort, Mumbai	K. Suresh*, N. Wadode and S.K. Jatty	Tel:22-2752 0512 ksuresh@ashapura.com, drks99@yahoo.com
33	Studies on the Adsorption of Textile Dyes by Clay Mineral	Ashapura Minechem Limited, Innovation and Knowledge Centre, Jeevan Udyog Building, III Floor, 278 D N Road, Fort, Mumbai-400001	K. Suresh*, P. Joshi and S.K. Jatty	Tel:22-2752 0512 Telefax: 22-2752 0516 ksuresh@ashapura.com, drks99@yahoo.com
34	Studies on Pelletization of Magnetite ore by Indian Kutch Bentonite	Ashapura Minechem Limited, Innovation and Knowledge Centre, Jeevan Udyog Building, III Floor, 278 D N Road, Fort, Mumbai-400001	K. Suresh*, R. Samant and S.K. Jatty	Tel:22-2752 0512 Telefax: 22-2752 0516 ksuresh@ashapura.com, drks99@yahoo.com

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35	Adsorption of Hydrocarbons on Indian Organoclays	Ashapura Minechem Limited, Innovation and Knowledge Centre, Jeevan Udyog Building, III Floor, 278 D N Road, Fort, Mumbai	K. Suresh*, V. Ghangale, J. Arote and S.K. Jatty	Tel:22-2752 0512 ksuresh@ashapura.com
36	Beneficiation & Leaching Studies of Low Grade Palygorskite	Ashapura Minechem Limited, Innovation and Knowledge Centre, Jeevan Udyog Building, III Floor, 278 D N Road, Fort, Mumbai	K. Suresh*, P. Joshi and S.K. Jatty	Tel:22-2752 0512 ksuresh@ashapura.com
37	A Study of Removal of Gangue Maters from Iron Ore Slime by Chemical Leaching	Raw Material and Coke Research Group, R&D, Tata Steel Ltd, Jamshedpur-831 001	Dr. S. Sarkar,	Email: s.sarkar@tatasteel.com
38	Indolyquinoline Analogues a Novel Mild Steel Inhibitor	1. National Metallurgical Laboratory, Jamshedpur 2. Research and Development, Tata Steel, Jamshedpur	S. Garai ¹ and S. Sarkar ²	Email: s.sarkar@tatasteel.com
39	Technologies for Dewatering and Drying of High Moisture Coals – An Overview	M3TC and Mechanical Engineering Department, Faculty of Engineering, National University of Singapore, Singapore	Wu Zhonghua and Arun S. Majumdar	mpeasm@nus.edu.sg

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40	Sea Floor Hydrothermal Deposits of the South East Pacific Rise – A Case Study	<p>*Professor & Head, Geology & Training & Placement Officer, BIT Sindri, Dhanbad-828 123</p> <p>**Professor Emeritus, Deptt. of Geology, University of Delhi, Delhi</p> <p>***Professor, Deptt. of Chemistry, Vinoba Bhave Univ. Hazaribag</p> <p>****Deptt. of Geology, BIT Sindri, Dhanbad-828 123</p>	G. Kumar*, GS Roonwal**, RY Prasad*** & A. Bhatt****	drjkumar12@gmail.com
41	Direct and Reverse Flotation Studies on Siliceous Limestone	<p>National Metallurgical Laboratory Madras Centre, CSIR Madras Complex, Taramani, Chennai-600 113</p> <p>Present address: Mineralogy Department</p> <p>Institute of Minerals and Materials Technology, Bhubaneswar-751013</p>	T.V. Vijaya Kumar, D.S. Rao*, S. Subba Rao, G. Bhaskar Raju and S. Prabhakar	gbraju55@hotmail.com

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42	Statistical Investigation of Iron Reduction from Maragheh Totekhaneh silica Mine with Magnetic and Acid Leaching Methods		Mohammad bagher Fathi, Valeh Aghazadeh, Hamid Aghababaei, Manochehr Oliazadeh	Email: m_b_fathi@yahoo.com
43	Bioremoval of Chromium (III) from Model Tanning Effluent by noval Microbial Isolate	¹ MEF Division, National Metallurgical Laboratory (CSIR), Jamshedpur-831 007 ² School of Life Sciences, Utkal University, Orissa-751 004	Divya G Nair ¹ , Kirtal Hansdah ² , B. Dhal ¹ , Abhilash ¹ , K.D. Mehta ¹ , B.D. Pandey ¹	Email:biometnml@gmail.com
44	Determiration of Optimal Condition in Column Flotation of Masod Abad Lorestan Talc Mine	1.Assistant Prof. of Mineral Processing Dep. Tarbiat Modarres University 2.Associate Prof. of Mineral Processing Dep. Tarbiat Modarres University 3.M.Sc Student in Mineral Processing Engineering of Tarbiat Modarres University	Smj.Koleini ¹ , M.Abdollahi ² , M.B. Fathi ³	Email:m_b_fathi@yahoo.com

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45	Studies on Flotation Characteristics of Salem Magnesite	1.Indian School of Mines University, Dhanbad 2. Indian Bureau of Mines, Bangalore	R.Venugopal ¹ , G. Siva Kumar ² , R.Raushan ¹	vrayasam@yahoo.com
46	Process Development for Improvement in the Existing Recovery of Iron Values from Ore Slimes Collected from various Iron Ore Washing Plants.	Modern Mineral Processing Lab and Pilot Plant, Indian Bureau of Mines, L-8 MIDC, Hingna Road, Nagpur-440 016	M.S. Rao, Mohan Ram & C.S. Gundewar	Email:codoibm_ngp@sancharn et.net
47	Importance of Instrumental Techniques with Special Significance of X-ray Diffraction Data as a Guiding Tool in Process Optimization of Synthetic Rutile Production.	Modern Mineral Processing Lab and Pilot Plant, Indian Bureau of Mines, L-8 MIDC, Hingna Road, Nagpur-440 016	Mohan Ram, S.M. Lal and C.S.Gundewar	Email:codoibm_ngp@sancharn et.net
48	Characterization of Bauxite Ore for Beneficiation: A Formidable Task	Modern Mineral Processing Lab and Pilot Plant, Indian Bureau of Mines, L-8 MIDC, Hingna Road, Nagpur-440 016	S.M. Lal, Mohan Ram, and C.S.Gundewar	Email:codoibm_ngp@sancharn et.net

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49	High Gradient Magnetic Separation of Clay Samples: A few Case Studies	Modern Mineral Processing Lab and Pilot Plant, Indian Bureau of Mines, L-8 MIDC, Hingna Road, Nagpur-440 016	V.N. Shambharkar, M.S. Mankar and Mohan Ram	Email:codoibm_ngp@sancharn et.net
50	Physico-Chemical Characterization of Ground & Surface Water in and around Limestone Mining areas, Kymore, Distt. Katni (M.P.)	Modern Mineral Processing Lab and Pilot Plant, Indian Bureau of Mines, L-8 MIDC, Hingna Road, Nagpur-440 016	K.N. Hirekhan, A.N. Verma and B.S. Moroney	Email:codoibm_ngp@sancharn et.net
51	Quality Control of Ceramic Products using Ceramic Discs by X-ray Fluorescence Spectrometry	Modern Mineral Processing Lab and Pilot Plant, Indian Bureau of Mines, L-8 MIDC, Hingna Road, Nagpur-440 016	B.N. Srivastava, MAK Naidu & B.S. Moroney	Email:codoibm_ngp@sancharn et.net
52	Washability Study of Borehole Coal Core vis-à-vis Rom Coals:A Case Study	Central Institute of Mining and Fuel Research, Bilaspur Unit, Chattisgarh	A.K. Chattopadhyay, S.K. Konar, S. Debnath	Oic_cfrib@yahoo.co.in
53	Optimization of Operating Parameters of Flowing Film Concentration of Pulverized Printed Circuit Boards using Wilfley Table	MNP Division, National Metallurgical Laboratory, Jamshedpur-831 007	A.Vidyadhar*, V.S.Vaishanau and A. Das	ari@nmlindia.org

54	Agitating Leaching Kinetics in Iron Removal from Kaolin Washing Plants Tailings	¹ Department of Mining & Metallurgical Engineering, Amirkabir University of Technology, Hafez St. Tehran, Iran	B. Rezai, M. Gharabaghi, M. Irannajad	
55	Washability Investigation and Development of a Flow Sheet for Beneficiation of High Ash Non-coking coal of Talcher Coalfields, MCL, Orissa.	a. Scientist, Coal Preparation Division, Central Institute of Mining & Fuel Research, Dhanbad b. Lecture, Mineral Processing Department, P.G. Centre, (Gulbarga University) Nandihalli-Sandur, Bellary	T. Gouri Charan ^a , G.S. Jha ^a , P.C. Chattopadhyay ^a , D.D. Haldar ^a and P.C. Nagnoor ^b	gcthonangi@sancharnet.in, gouricharan@yahoo.com
56	Solvent extraction and separation of zinc and cobalt from ammonical solution.	Metal Extraction & Forming Division, National Metallurgical Laboratory, Jamshedpur-831 007	S.K. Sahu, B.D. Pandey, Vinay Kumar	Mail:sushanta_sk@yahoo.com
57	CO ₂ sequestration through mineral carbonation using fly ash gypsum mixture	Institute of Minerals and Materials Technology, Bhubaneswar	S.D. Muduli, B.D. Nayak, N. Vasumathi and B.K. Mishra	surabhidipali@gmail.com

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58	Flotation of Sphalerite Using N-Hydrocinnamoyl-N-phenylhydroxylamine (HCNPHA):Gangue Suppression for a Lead-Zinc Ore	Department of Chemical Engineering Lakehead University, Thunder Bay, Ontario, Canada P7B 5E1 (* on leave from Centre for Mathematical Sciences, Pala Campus, Arunapuram, Kerala-686 574)	<u>Ramanathan Natarajan*</u> , Daniel Hamilton, Inderjit Nirdosh	rnataraj@lakeheadu.ca
59	Flotation of Sphalerite Using N-Hydrocinnamoyl-N-phenylhydroxylamine (HCNPHA):Microflotation of Pure Minerals	Department of Chemical Engineering Lakehead University, Thunder Bay, Ontario, Canada P7B 5E1	Ramanathan Natarajan*, Jatin Sharma, Inderjit Nirdosh	
61	Geo and waste materials for fluoride removal from contaminated water and industrial effluents	Institute of Minerals and Materials Technology, Bhubaneswar-751013	K. Rout, M. Mohapatra, M.G. Sujana and S. Anand	mamata@immt.res.in
62	Surfactant assisted mixed nano iron oxides/hydroxide-An adsorbent for As(V)	Institute of Minerals and Materials Technology, Bhubaneswar-751013 * Murdoch University, Australia	M. Mohapatra, E. Pailing*, S. Anand, B.K. Mishra and P. Singh*	mamata@immt.res.in

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63	Image Processing Techniques for Pellet size Distribution of real-time video Stream	Central Electronics Engineering Research Institute, Pilani	Jagdish Raheja, V. Upendranath, P. Bhanu Prasad, Rajesh M.	jagdish@ceeri.ernet.in, vun@ceeri.ernet.in, pbp@ceeri.ernet.in, rajesh.manipati@gmail.com*
64	Role of Surface Modification on Rheological and Surface Properties of Calcium Carbonate	Central Metallurgical Research & Development Institute, CMRDI, Egypt	K.A. Selim, Nagui A. Abdel-Khalek & Rasha S.Z. E1-Tawil	k2selem@yahoo.com
65	Availability of cobalt resources in India	Rubamin Ltd.	Ms. Priyanka Dalmia, Mr. Navin Kumar Mittal	dalmia.pri@gmail.com
66	Pulsation Behaviour Monitoring Subsystem for Jigging Process in Iron Ore Processing	Digital System Group, Central Electronics Engineering Research Institute, Pilani, Rajasthan	K. Sai Prasad, V. Upendranath, Vikrant Mishra, Jagdish Raheja, P. Bhanu Prasad	Saikec88@gmail.com , upendra@ceeri.ernet.in , vm@ceeri.ernet.in , jagdish@ceeri.ernet.in , bhanu@ceeri.ernet.in
67	Pyrolysis of perhydrous Indian Coals: A kinetic study	Coal Chemistry Division, North-East Institute of Science and Technology (NEIST), CSIR, Jorhat	Puja Khare*, P. Sengupta and B.P. Baruah	kharepuja@rediffmail.com

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68	Study of sulfur removal from sub-bituminous Nagaland (Indian) Coals	Coal Chemistry Division, North-East Institute of Science and Technology (NEIST), CSIR, Jorhat-785 006	Ponchami Sharma, Puja Khare and B.P. Baruah*	bpbaruah@yahoo.com
69	Evaluation of Meghalaya coals for potential industrial uses	Coal Chemistry Division, North-East Institute of Science and Technology (NEIST), CSIR, Jorhat-785 006	B.P. Baruah*, Puja Khare, D.K. Dutta and P.G. Rao	bpbaruah@yahoo.com
70	Modelling of Fine Coal Processing in a Teeter Bed Separator	MNP Division, National Metallurgical Laboratory, Jamshedpur-831 007	Avimanyu Das*, Ari Vidyadhar and Sujit Kumar Dey	Avimanyu_das@yahoo.com
71	Studies on Neutralisation Behaviour of Tailing Slurry of Turamdih Uranium Processing Plant	¹ Control, Research & Development Department, Uranium Corporation of India Limited, Turamdih, Jharkhand, ² Uranium Corporation of India Limited, Jaduguda, Jharkhand	Saurabh Kumar Singh, ^{1#} , Anand Kumar Singh ¹ and A.K. Sarangi ²	Saurabh Kumar Singh singhsk_jsr@yahoo.co.in

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72	Strategy for Production of Low Ash Metallurgical Coals in India	R&D Division, Tata Steel	PVT Rao (Retired)	Pvt_rao@yahoo.com
73	Gold Heap Leaching Practice in Turkey	Mining Engineering Dept., Middle East Technical University, 06531 Ankara-Turkey	Gulhan Ozbayoglu	gulhano@metu.edu.tr
74	Autotracking the Behaviour of Ball Mill using Wireless Sensor Network.	Digital System Group, Central Electronics Engineering Research Institute, Pilani, Rajasthan	Vanam Upendranath, Satish Mohanty, Jagdish Raheja, Bhanu Prasad	upendra@ceeri.ernet.in , satish.moha@gmail.com , jagdish@ceeri.ernet.in , bhanu@ceeri.ernet.in
75	Preparation and Characterization of Molybdenum Trioxide from spent HDS catalyst	Institute of Minerals and Materials Technology, Bhubaneswar-751013	Barsha Dash, B.V.R. Murthy and R.K. Paramguru	bvrmurthy@immt.res.in
76	Plasma Smelting of Red mud for the Production of Pig Iron.	Institute of Minerals and Materials Technology, Bhubaneswar-751013	K.Jayasankar*, P.K. Ray, S. Pattanaik, A.K. Chaubey and P.S. Mukherjee	jayasankar_met@yahoo.co.in
77	Multiple Deck Sedimentation Techniques for Upgrading Low Grade 'ADUR' Clays, Haveri District, Karnatak	Department of Studies in Geology, Karnatak University, Dharwad-580 003	S.G. Hegde and S.C. Puranik	puranik_sc@yahoo.co.in

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78	Health Monitoring of Steel Rope used in Hoisting System in Mines	¹ Department of Electronics & Instrumentation, ISM University, Dhanbad-826 004 ² Central Scientific Instruments Organization, Sector-30C, Chandigarh-160030	V. Kumar ¹ , J.S. Bhadoria ¹ , Nahar Singh ²	vkumar52@ hotmail.com; Ph:09431122030, 0326-2296622(O) / 2296651 (R)
79	Starch Phosphate as dispersant for stabilizing coal-water slurry	^a Centre of Studies in Surface Science and Technology, Department of Chemistry, Sambalpur University, Jyoti Vihar-768 019 ^b Institute of Minerals and Materials Technology, Bhubaneswar-751013	Debadutta Das ^a , Uma Dash, Amalendu Nayak ^b and Pramila K. Misra ^{a*}	pramila_61@yahoo.co.in
80	Interfacial Properties of Some Indian Coals in Aqueous Suspension	Institute of Minerals and Materials Technology, Bhubaneswar-751013	S.K. Mishra and B.S. Acharya	bsacharya@immt.res.in
81	Characterization of Magnetite ore from Suleipat, Mayurbhanj Dist, and its further processing for its optimum utilization	Institute of Minerals and Materials Technology, Bhubaneswar-751013	L. Bhol, P.K. Nayak, B.K. Mohapatra and B.V.R. Murthy	bkmohapatra@immt.res.in

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82	Particle dynamics in Floatex Density Separator as revealed by high speed videography and image process	MNP Division, NML, Jamshedpur, Jharkhand-831 007	Subrata Roy, Sushil Kumar Mandal and Avimanyu Das	Subrata.roy73@gmail.com
83	Segregation Behavior and Distribution of Voidage and Suspension Density in a Liquid Fluidization Column	MNP Division, NML, Jamshedpur, Jharkhand-831 007	Ignatius Anthony, Rakesh Sah and Avimanyu Das	ianthony@nmlindia.org
84	Chromite Ore Beneficiation: Opportunities and Challenges	Ferro Alloys and New Business Research Group, Research and Development Division, Tata Steel Limited, Jamshedpur-831 001	Y. Rama Murthy*, Sunil Tripathy and Veerendra Singh	yrama.murthy@tatasteel.com
85	Leaching of Manganese from Ferro-Manganese Furnace Dust with Sulfuric	Ferro-Alloys and New Business Research Group, Research and Development Department, Tata Steel Limited, Jamshedpur-831 001, JH	B. Chenna Rao*, Gajanan Kapure and Vilas Tathavadkar	cr.borra@tatasteel.com mob:09204058856

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86	Selective Flocculation of Synthetic Iron ore – Kaolinite Mixtures	<p>^aResearch and Development, Tata Steel Limited, Jamshedpur, Jharkhand</p> <p>^bInstitute of Minerals and Materials Technology, Bhubaneswar-751013</p>	L. Panda ^a and S.K. Biswal ^b	l.panda@tatasteel.com
87	Values from Waste – An Engineering Approach of Beneficiating Low Grade Iron Ore Fines	<p>¹Essar Engineering Services Limited, 27th km, Surat-Hazira Road, Hazira-394270, Surat District, Gujarat</p> <p>²Essar Steel Limited</p> <p>Scindia Road, Near Flyover, Visakhapatnam-530 004, Andhra Pradesh</p>	Saptharishi.S ¹ , Shanbhogue. T.S. ¹ , Ramesh Babu. CH ¹ , Prasad A.S ²	<p>Saptharishi.S</p> <p>Iron Making Department, Essar Engineering Services Limited, 27th km, Surat-Hazira Road, Hazira-394270, Surat District, Gujarat</p> <p>Email:Saptharishi.Srinivasan@essar.com</p> <p>Tel:261-6682126</p>

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88	Utilization of iron ore slimes from Bailadial-5 mines in pellet making	*Manager [M.P], Research & Development Centre, NMDC Ltd., Hyderabad ** A.G.M [R&D], Research & Development Centre, NMDC Ltd., Hyderabad *** D.G.M [R&D], Research & Development Centre, NMDC Ltd., Hyderabad	Vibhuti Roshan*, B.K. Choudhary** & S.K. Chaurasiya	vibhutihirshan@nmdc.co.in
89	Quality Reclamation / Material Development for Improving Reliability of Grizzly Bar used in Agglomeration Process (Sintering)	PCS, Ground floor, Executive Director works Building, Sail, Rourkela Steel Plant, rourkela.	Anil Barik	anil.sailrsp@gmail.com
90	Improve in Concept of Clarifier and Thickener Design and its Operation	Chief Consultant, Raj Technical Services, Bhubaneswar	Pradeep Kumar Raj	raj_technical@yahoo.co.in
91	Applying Agglomeration to Remove Organic Material of Kaolin	Mineral Processing Group, Tarbiat Modarres University, Tehran, Iran	M. Abdollahi, B. Shahbazi, M. Amiri Parian	archonvc@yahoo.com
92	Chemical removal of iron from Tabas Robot-Khan Kaolin	Mineral Processing Group, Tarbiat Modarres University, Tehran, Iran	M. Abdollahi, B. Shahbazi, M. Amiri Parian	archonvc@yahoo.com

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93	Magnetic removal of iron from Tabas Robot-Khan Kaolin	Mineral Processing Group, Tarbiat Modarres University, Tehran, Iran	M. Abdollahi, B. Shahbazi, M. Amiri Parian	archonvc@yahoo.com
94	Mineral Characterization using TEM, XRD and Mossbauer Spectroscopy	Institute of Minerals and Materials Technology, Bhubaneswar-751013	B.S. Acharya and B. Satapati	bsacharya@immt.res.in
95	Autotracking the Behaviour of Ball Mill using Wireless Sensor Network.	Digital System Group, Central Electronics Engineering Research Institute, Pilani, Rajasthan	Vanam Upendranath, Satish Mohanty, Jagdish Raheja, Bhanu Prasad	upendra@ceeri.ernet.in , satish.moha@gmail.com , jagdish@ceeri.ernet.in , bhanu@ceeri.ernet.in
96	Computer Simulation Studies for Design of a Crushing Plant at Kiriburu Iron Ore Mines	Fuel & Mineral Engineering Department, Indian School of Mines University, Dhanbad-826 004	V.K. Gupta & Apoorva Bajaj	gupta.vinaig@gmail.com
97	A Model for Describing Transport of Particulate Material Through Tumbling Mills	Department of Fuel & Mineral Engineering, Indian School of Mines University, Dhanbad-826 004	V.K. Gupta, Rachit Tiwari & Piyush Raghav	gupta.vinaig@gmail.com
98	Utilization of beneficiated iron ore tailings in manufacture of buildings brick	Institute of Minerals and Materials Technology, Bhubaneswar-751013	B.D. Nayak, S.D. Muduli, S. Pani, N. Vasumathi and B.K. Mishra	surabhidipali@gmail.com

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99	Growth of Noble Metal Nanoparticles by Wet Chemical Process.	Material Characterization Department, Institute of Minerals and Materials Technology, Bhubaneswar-751013	Bikash Kumar Jena	bikash@immt.res.in
100	An Experimental Investigation on Conventional Flotation of Coal	Faculty of Mining, Petroleum and Geophysics, Shahrood University of Technology, Shahrood, Iran, P.O. Box 36155-3616,	M. Kor, S.Z. Shafaei	Email:mkor@shahroodut.ac.ir
101	Characterization of Iron reducing bacteria (IRB) responsible for conversion of goethite into hematite	Institute of Minerals and Materials Technology, Bhubaneswar-751013	N. Pradhan, S.K. Behera, L.B. Sukla, B.K. Mohapatra and B.K. Mishra	Email:nilotpala_pradhan@yahoo.co.in
102	Effect of using an alkali solution in grinding of Dolostone type uranium ore.	Mineral Processing Division, Bhabha Atomic Research Centre, A.M.D. Complex, Begumpet, Hyderabad-500 016	K. Anand Rao* & N.P.H. Padmanabhan	Email:anand.kacham@gmail.com
103	Image processing based pellet sphericity and size analysis	PE&I Cell & MP Dept., IMMT, Bhubaneswar, ITER, SOA University, Bhubaneswar	Debi Prasad Das, Anuja Nanada, Santosh Kumar Behara, BVR Murthy and JN Mohanty	dpdas@immt. Res.in

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104	Studies on sulphuric acid leaching of spent Raney nickel Catalyst for the recovery of pure nickel sulphate/Carbonate	IICT, Hyderabad	S. Venkateswara, B.N. Phani Kumar, M.Laxmi kantam, B.Ramachandraredy	Brreddy_iict@yahoo.com 91-4027160921
105	Handling of Coal Rejects- An Environmental Hazard	Alkor Technologies Ltd., Plot No 1246, Gorlas, Road No 62, Jubilee Hills. Hyderabad 500 033.)	M.V.S.Rao ¹ and Dr. G.V. Ramana ²	Mantha 48@yahoo.com Ph. +9618145600. +914023683535(O) +914020001313(Res)
106	Waste utilisation in dri steel sector in orissa	State Pollution Control Board, Orissa, A/118, Nilakantha Nagar, Unit-III, Bhubaneswar- 751012	Dr. Akhila Kumar Swar, Sr. Env. Engineer and Dr. Bikash Patra, Project Officer	swarakhila@gmail.com
107	Application of Advanced process to minimize waste generation from iron based industries	Institute of Minerals and Materials Technology, Bhubaneswar-751013	S.K.Biswal, A.K.Sahu, M.S.Jena, S.P.Das, A.Tripathy and P.S.R.Reddy	skbiswal@immt.res.in

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108	Solubilisation of low grade rock phosphate by <i>Aspergillus niger</i>	Institute of Minerals and Materials Technology, Bhubaneswar-751013	R.Muduli, R.N.Kar and C.R.Panda	crpanda@immt.res.in
109	Rheological Characteristics study of iron ore tailings	Institute of Minerals and Materials Technology, Bhubaneswar-751013	Alok Tripathy, A.K.Sahu and S.K.Biswal	skbiswal@immt.res.in
110	Development of mathematical correlation for solid-liquid Fluidized bed Expansion of different density materials	Institute of Minerals and Materials Technology, Bhubaneswar-751013	Alok Tripathy, A.K.Sahu and S.K.Biswal	skbiswal@immt.res.in
111	Characterisation and Beneficiation of Low Grade Blue Dust	Institute of Minerals and Materials Technology (Council of Scientific and Industrial Research) Bhubaneswar, Orissa, INDIA	S. P. Das, D. S. Rao, B. K. Nayak, M. S. Jena and S. K. Biswal	skbiswal@immt.res.in
112	Influence of iron ore fineness on green pellets properties	JSW Steel Limited, Vijayanagar-583275, Bellary, Karnataka	T. Umadevi, Prassan Kumar, M.G.Sampath Kumar, M.Prabhu, P.C.Mohapatra and Madhu Ranjan	uma.devi@jsw.in

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113	The attachment of probability of fine particles in froth flotation	Islamic Azad University, Tehran, Iran	B.Rezai, *B. Shahbazi S.M. Javed Koleini	bzshahbazi@yahoo.com
114	Bubble particle collision probability in fine particle flotation	Islamic Azad University, Tehran, Iran	B.Rezai, *B. Shahbazi S.M. Javed Koleini	bzshahbazi@yahoo.com
115	Prediction of Hardgrove grindability index(HGI) from coal chemicals properties using artificial neural network	Amirkabir University of Technology, Hafez Avenue, Tehran, Iran & Department of Mining Engineering, Tarbiat Modares University, Tehran, Iran.	S. Khoshjavan, M.Rezai and B. Rezai	m_mohammadiy@yahoo.com, m_mohammadiy@yahoo.com
116	The copper recovery from Abbasabad ore by flotation methods: Part I, Copper sulphides	Tarbiat Modares University, Tehran, Iran	S.M.Javad Kleini, B.Shahbazi	bzshahbaz@yahoo.com
117	The copper recovery from Abbasabad ore by flotation methods: Part I, Copper Oxides	Tarbiat Modares University, Tehran, Iran	S.M.Javad Kleini, B.Shahbazi	bzshahbaz@yahoo.com

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118	Environmental assessment of Iranian iron and manganese tailing dams	Academic center for education, culture & Research, Jihad e Daneshahi Tarbiat modares, Tehran, Iran	Ali Ghaffari	Ghaffari_62@yahoo.com
119	Aqueous Processing of Jarosite Residues	Hydro & Electro-Metallurgy Department, Institute of Minerals and Materials Technology, Bhubaneswar-751013	Sridhara Acharya	sridharacharya@immt.res.in
120	Chemical Beneficiation Indian Coals for Producing Low Ash Clean Coal	Dr. Pratik Swarup Dash Researcher, Raw Materials & Coke Making Research Group, R&D, Tata Steel, Jamshedpur-831 007, Jharkhand	Dr. Pratik Swarup Dash, Dr. P.K. Banerjee and Dr. S. Ganguly	pratikswarupdash@tatasteel.com tel:657-6642596/6647421 mob:9234549790

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121	Charge Dynamics Study of SAG Mill	<p>^a Institute of Minerals and Materials Technology, Bhubaneswar-751013</p> <p>^bIndian Institute of Technology, Kharagpur</p>	<p>S.P. Das^a,</p> <p>D.P.Das^a, S.K.Behera^a, S.K.Biswal^a, S.K.Mishra^a, B.K.Mishra^a, B.K.Dhindaw^b</p>	<p>spd@immt.res.in</p>
122	Evaluation of the uranium binding properties of a marine cyanobacterium, <i>Synechococcus elongatus</i>	Molecular Biology Division, Bhabha Atomic Research Centre, Trombay, Mumbai-400 085	C. Acharya and S.K. Apte*	<p>aptesk@barc.gov.in, sksmbd@barc.gov.in ph:22-25595342 fax:22-25505189</p>
123	Development of single reagent system for the flotation of coal fines.	<p>^aNational Metallurgical Laboratory Madras Centre CSIR Madrax Complex, Taramani, Chennai-600 113</p> <p>^bSomu Organo Chem Pvt. Ltd. Bangalore-560 076</p>	<p>S.Prabhakar^{a*},</p> <p>G.Bhaskar Raju^a, T.V.Vijaya Kumar^a,</p> <p>S. Subba Rao^a,</p> <p>Uma Raman^b and S.Shivakumar^b</p>	<p>*swaprabha@yahoo.com</p>

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124	Development of a performance evaluation test for centrifugal gravity concentrator tuning	Associate Professor of Minerals Engineering, Department of Metallurgical Engineering & Extractive Metallurgy Western Australian School of Mines, Faculty of Science & Engineering, Curtin University of Technology, Kalgoorlie, Western Australia	G.K. Nimal Subasinghe	N.Subasinghe@curtin.edu.au
125	Case studies on the development of integrated beneficiation flow sheets for China clays	Scientist 'G' & Head, Process Engineering & Environmental Technology Division, National Institute for Interdisciplinary Science & Technology (NIIST) [Formerly, RRL], Trivandrum, Kerala	Raghavan P.	pattathilraghav@rediffmail.com fax: 471-2491712
126	Beneficiation studies on recovery of zircon and its characterization: A case study on samples from beach and dunes of Konark-Ramachandi Beach, Orissa	Institute of Minerals and Materials Technology, Bhubaneswar-751013	R. Bhima Rao, Sunita Routray, Chinmayee Satapathy, D.S. Rao, B.K. Mohapatra, P.S.R. Reddy and B.K. Mishra	bhimarao@immt.res.in

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127	Grindability Characteristics of Partially Laterised-Kaolonised-Bauxitic-Khondalite Rocks	Institute of Minerals and Materials Technology, Bhubaneswar-751013	Ranjita Swain and R. Bhima Rao	bhimarao@immt.res.in
128	Analysis of Interaction Effects in Phosphate Ore Flotation	Mineral Processing Department, Institute of Minerals and Materials Technology, Bhubaneswar-751013	S.I. Angadi, S. Prakash, B. Das, P.S.R. Reddy, Rajeev and B.K. Mishra	shivakumar@immt.res.in
129	Dewatering of Iron Ore Process Tailing	Department of Mineral Processing Institute of Minerals and Materials Technology, Bhubaneswar-751013	M.Dash, R.K. Dwari#, S.K. Biswal and P.S.R. Reddy	rkdwari@immt.res.in
130	Interaction of natural organic matter analogues with the hematite surfaces under different chemical environments	Materials Science Division, North-East Institute of Science and Technology, Jorhat-785 006, Assam	Nabanita Saikia, Jayanta M. Borah, Namrata Sarma, Jyotirmoy Sarma, Manash R Das and Sekh Mahiuddin	mahirrljt@yahoo.com tel:376-2370081 fax:376-2370011

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131	Advanced Iron Ore Beneficiation Techniques for Optimized Mining and Steel Production.	Managing Director, Allmineral GmbH & Co. KG, Managing Director, Allmineral Asia Pvt. Ltd and Dy. Manager, Allmineral Asia Pvt. Ltd.	Dr. -Ing. Heribert Breuer, Mr. Sabyasachi Mishra, Mr. Dinesh Biswal	dinesh@harimachines.in
132	Beneficiation Studies on Recovery of Major Heavy Minerals from the Jhatipodar Dune sand deposit	Institute of Minerals and Materials Technology, Bhubaneswar-751013	B.C. Acharya, P.S.R. Reddy and R. Bhima Rao	bcacharya@immt.res.in
133	Microbial Composite for Cr(III) Remediation from Effluents	MEF Division, National Metallurgical Laboratory, Jamshedpur-831 007	Mayuri Prakash, Abhilash, K.D. Mehta & B.D. Pandey	biometnml@gmail.com
134	Study on Axial Dispersion Coefficient of Water Phase in Column Flotation	¹ Mineral Processing Department, Institute of Minerals and Materials Technology, Bhubaneswar-751013 ² Fuel and Mineral Engineering Department, Indian School of Mines University, Dhanbad-826 004	M.S.Jena ¹ , S.K. Biswal ¹ , N.R. Mandre ² and R. Venugopal ²	msjena@immt.res.in

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135	Recovery of Iron Value from Ultra Fine Iron Ore Tailings using Column Flotation.	¹ Mineral Processing Department, Institute of Minerals and Materials Technology, Bhubaneswar-751013 ² Fuel and Mineral Engineering Department, Indian School of Mines University, Dhanbad-826 004	M.S.Jena ¹ , S.K. Biswal ¹ , N.R. Mandre ² and R. Venugopal ²	msjena@immt.res.in
136	Studies on Beneficiation of Low-Grade Limestone for Use in Cement Industry	Institute of Minerals and Materials Technology, Bhubaneswar-751013	B. Das, S.Prakash, S.K. Angadi, J.K. Mohanty, P.S.R. Reddy & B.K. Mishra	bdas@immt.res.in
137	Beneficiation of Banded Hematite Quartzite (BHQ) ore by Flotation	Institute of Minerals and Materials Technology, Bhubaneswar-751013	B. Das, B.K. Mishra, S.K. Angadi, S.Prakash, P.S.R. Reddy	bdas@immt.res.in
138	Studies on Recovery of Total Heavy Magnetic Minerals from Ramchandi and Rushikulya Coasts of Orissa	Institute of Minerals and Materials Technology, Bhubaneswar-751013	Chinmayee Satpathy, Sunita Routray, D.S. Rao and R. Bhima Rao	bhimarao@immt.res.in

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139	CFD Simulation of Gas-Liquid-Solid Fluidised Bed Reactor Using Population Balance	Process Engineering and Environmental Technology Division, National Institute for Interdisciplinary Science and Technology, Trivandrum-695 019	R.Panneerselvam,S. Savithri*	sivakumarsavi@gmail.com tel:471 2515264, fax:471 2491712
140	Chromium Leaching Behaviour of Ferrochrome Slag	*Institute of Technical Education & Research (ITER), Bhubaneswar-751 030 ** Institute of Minerals and Materials Technology, Bhubaneswar-751013	*C.R. Panda, *K.K. Mishra, **B.B. Nayak, **S. Muduli & **B.D. Nayak	crpanda@immt.res.in
141	Beneficiation of Moonidih Coking Coal Fines by Flotation	Institute of Minerals and Materials Technology, Bhubaneswar-751013	M.S.Jena, S.K. Biswal, J.K. Mohanty and P.S.R. Reddy	msjena@immt.res.in
142	Process Mineralogy of Low Grade BIF-Derived Iron Ores	Institute of Minerals and Materials Technology, Bhubaneswar-751013	S.K. Das	skdas@immt.res.in
143	Pelletisation Studies on Iron Ore Concentrates	Institute of Minerals and Materials Technology, Bhubaneswar-751013	B.V.R. Murthy, H.K. Tripathy, J.N. Mohanty, B.K. Mohapatra and P.S.R. Reddy	bvmurthy@immt.res.in

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144	Mineral Polymerization a Sustainable Process for Utilization of Industrial Solid Wastes in Preparation of Building Materials	Institute of Minerals and Materials Technology, Bhubaneswar-751013	B.D. Nayak and B.K. Mishra	bdnayak@immt.res.in
145	Tailing Management: Possible Conservation Measures-A case Study	TCE Consultanting Engineers Limited, Mining and Metallurgy Business Unit, Kolkata	Sudipta De, Sukanya Chakraborty, Anath Bandhu Chattergy, Mihair Baran Ray	abchatterjee@tcw.co.in
146	Reduction of iron concentrate from Chalchoog silica mines using agitated acid leaching	Mineral processing Department, Mining Engineering Group, Tarbiat Modarres University, Tehran, Iran.	H.Haghi, M. Faramarzi	hamed.haghi@gmail.com
147	Comparison of Hydrocyclone performance using different mathematical models	Department of fuel and Mineral Engineering, Indian School of Mines University, Dhanbad-826006, Jharkhand, India.	Nikkam suresh, Rachit Tiwari, Piyus Kumar Raghav, R.K.Dwari and Shivakumar I Angadi	snikkam2002@yahoo.com
148	Wealth from Waste-studies on a typical waste coal dump	National Metallurgical Laboratory, Jamshedpur-831007	R.K.Rath, N.Kumar, M.K.Mohanta and K.K.Bhattachayya	rkrath@nmlindia.org

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149	Methane reduction of nickel-bearing lateritic ore from Sukinda, Orissa	National Metallurgical Laboratory, Jamshedpur-831007	Sunati Mohanty ¹ , S. K. Roy ² and P. K. Sen ²	sunati.m@gmail.com
150	Simulation Study of Spiral Concentrator Using DEM	Institute of Minerals and Materials Technology (Council of Scientific and Industrial Research) Bhubaneswar, Orissa, INDIA	Alok Tripathy and B.K. Mishra	altriatl@gmail.com
151	Kachchh Bauxite characterization, beneficiation and suggestions for value additions	Department of earth sciences, Indian Institute of Technology, Bombay, National Metallurgical Laboratory, Jamshedpur Gujarat Mineral Research and Development Society	G.N.Jadhav, N.Sharma(GMRDS), P.Manna, M.Kulkarni, K.K.Bhattacharyya and Vinodkumar	jadhav@iitb.ac.in
152	Characterization, grinding and pelletizing studies of Noamundi iron ore fines	¹ Research & Development, Tata Steel, Jamshedpur-831007, INDIA ² FME Department, ISMU, Dhanbad	Srinivas Dwarapudi ¹ , Tamal Kanti Ghosh ¹ , Amitabh Shankar ¹ , Vilas Tathavadkar ¹ and R Venugopal ²	srinivasd@tatasteel.com

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153	Sink-float studies on low grade Chromite ore of Boula-Nausahi area of Keonjhar district, Orissa	1-Students, Dept of Mineral Processing, Gulbarga University, 2- Lecturer, Dept of Mineral Processing, Gulbarga university. 3- Scientist , Dept of Mineral processing, IMMT, Bhubaneshwar, Orissa.	Amit Vikram Sortoor ¹ , Hemanth Kumar ¹ , Sharath Kumar Bhoja ¹ ,.M.R.Patil ² , and S.K.Biswal ³	sharath.minpro@gmail.com
154	Cleaning potentials of Indian Non-Coking coal and linking the level of cleaning with the burning behaviour through washability investigations	Central Institute of Mining & Fuel Research, Dhanbad	U.S.Chattopadhyay , K.M.P.Singh, S.K.Kabiraj, Sanjay Choudhiry and D.D.Haldar	gouricharan@yahoo.com
155	Effect of acid and thiocyanate Concentrations on the Separation characteristics of Hafnium and Zirconium	Central for Materials for Electronics Technology(C-MET) IDA, Phase III, HCL Post, Cherlapally, Hyderabad-500051	MRP Reddy, S.Rajesh Kumar, Madhavi, Arabind Kumar and T.L.Prakash	arbind_k@yahoo.com
156	De - phosphatation and De-sulphurisation of iron ore from Bellary, Karnataka, India	¹ Regional Ore Dressing Laboratory, Indian Bureau of Mines, Bangalore – 560 022 ² Indian Bureau of Mines, Nagpur –440 102	N.P.Haran ¹ , Indira Ravindran ¹ , A.B.K.Prasad ¹ & C.S.Gundewar ²	rodlnag@vsnl.net ibmnag_nag@sancharnet.in , cgibm@ibm.nic.in

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157	Throughput Enhancement of an Iron Ore Dressing Plant	¹ Regional Ore Dressing Laboratory Indian Bureau of Mines, Gorguntepalaya, Bangalore - 560 022 ² Indian Bureau of Mines, Nagpur -440 102	K. T. Louis ¹ , B.P.Ravi ¹ , G.Shivakumar ¹ , A. B. K. Prasad ¹ , Devprasad ¹ N.P.Haran ¹ , C.S.Gundewar ²	rodlnag@vsnl.net ibmnag_nag@sancharnet.in , cgibm@ibm.nic.in
158	Some challenges in the process intensification of hydrometallurgical applications	Hydro & Electrometallurgy Department Institute of Minerals and Materials Technology (CSIR) Bhubaneswar - 751013	K. Sarveswara Rao	ksarveswararao@immt.res.in
159	Performance analysis of a coal crushing plant	Department of Fuel & Mineral Engineering Indian School of Mines Dhanbad 826004	Prashant Sharma and Sumantra Bhattacharya	bhatac1957@yahoo.co.in
160	Mineral polymerization a sustainable process for utilization of industrial solid wastes in preparation of building materials	Institute of Minerals and Materials Technology ,CSIR, Bhubaneswar	B.D.Nayak and B.K.Mishra	bdnayak@immt.res.in

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161	Application of Phosphorus solubilizing bacteria in dephosphorization of LD Slag	Institute of Minerals and Materials Technology, Bhubaneswar 751013, Orissa, India	N.P Marhual, N. Pradhan*, N.C Mohanta, L.B Sukla, B.K Mishra	Nilotpala_pradhan@yahoo.co.in
162	Energy effective evaporators for spent liquors in alumina industry	RUSAL VAMI, St. Petersburg, Russia	I. Davydov, A. Bolotov, A. Morozov	Panov Vami ; Andrey.Panov@rusal.com
163	Upgrading of Montmorillonite Claystone of Wadi Basheira (Digma Formation)	The State Co. of Geological Survey & Mining, Department of Research & Development P.O.Box 986, Alwiya, Baghdad. Iraq *PhD in Mineral Engineering; ** Msc in Chemical Engineering	Abdul Wahab A. Al- Ajeel*, Sahar N.Abdullah**	AL-Ajeel@yahoo.com ; snnightstar@yahoo.com
164	Characters of ilmenite from on-shore and off-shore placer sands of Kalbadevi Bay, Ratnagiri Coast, Maharastra	Mineral Processing Division National Metallurgical Laboratory, Jamshedpur-831007	B. Nayak*, P. K. Bhattacharyya and K. K. Bhattacharyya	*E-Mail: brn69@rediffmail.com

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165	Utilization of Eshidiya Phosphate Beneficiation Plant Rejects	Jordan Phosphate Mines Company Limited, Eshidiya Mines, P.Box.30, AMMAN 11118, JORDAN	K.Srinivas*, Yasser Dassin, G.Prabhulingaiah and D.M.R.Sekhar	*Corresponding author: srinivaskonduri@rediffmail.com
166	Role of Flocculants and Coagulants in Mining Industry	Rungta Mines Limited, Central Mines Office, Barbil, Orissa - 758 035, India *Professor, Dept. of Mineral Processing, PG Centre, Gulbarga University, Sandur, Karnataka	<i>Venkatesh Konka, Dr.P.C.Naganoor* and M.D.Rustagi</i>	Venktesh.konka@gmail.com
167	Experimental Approach towards Understanding of Particle Separation Characteristics in a Batch Jig.	¹ Advanced Materials and Processes Research Institute (CSIR), Bhopal- 462026 ² Department of Fuel & Mineral Engineering, Indian School of Mines, Dhanbad- 82600	<i>A. K. Majumder¹, J. P. Barnwal¹ and S. Bhattacharya²</i>	majumder1965@gmail.com

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168	Problems and Prospects of Enhanced Gravity Concentrators in Fine Particle Processing	Advanced Materials and Processes Research Institute, Bhopal – 462026, India	J. P. Barnwal and A. K. Majumder*	*Corresponding author's email: majumder1965@gmail.com
169	Dehydration Behaviour of mechanically activated Boehmite	Metallurgical & Material Engineering Department, IIT, Kanpur Meterail and Metallurgical Engineering Department IIT Kanpur	T.C.Alex, Rakesh Kumar, S.K.Roy and S.P.Mehrotra	tc_alex@yahoo.com
170	Development of Mathematical Correlation of Process Variables for Dynamic Stability of Medium in Air Dense Medium Fluidized Bed Separator	Institute of Minerals and Materials Technology (CSIR) Bhubaneswar -751013	A. K. Sahu, A. Tripathy, S. K. Biswal and A. Parida	A.K. Sahu, aksahu@immt.res.in
171	Energy Conservation in Indian Mineral Industry-An Overview	PCRA-ER, Kolkata	G.K.Pradhan, and P.Chattoraj	G.K.Pradhan pradhangk@pcra.org
172	Importance of impurity Mineral identification in the value addition of kaolin - A case study	S. Ramaswamy and P.Raghavan	NIIST, Thiruvananthapuram	rrl_swamy@rediffmail.com

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173	Optimization of Air Separators using Comouter-Based Model	Departme t of Mining and Metallurgical Engineering, Amirkabir University of Technology, Tehran, Iran Kashan University, Kashan, Iran	Irannajad M., Rashidi S., Gharabaghi M and Farzanegan A.	iranajad@aut.ac.ir