



INAUGURAL SESSION SCHEDULE
LGO-2013



(1952-2012)
Diamond Jubilee Year

The Organizing Committee of the
**26th National Convention of Metallurgical and
Materials Engineers**

and

National Seminar on

**Exploitation of Lean Grade Ore, Ore Fines and Urban Ores :
Challenges, Problems and Solutions (LGO - 2013)**

Organized by

The Institution of Engineers (India), Jamshedpur Local Centre

In association with

CSIR-National Metallurgical Laboratory, Jamshedpur

Cordially invite you to the

INAUGURAL FUNCTION

at 9.00 hrs. Tuesday on 22nd January 2013

Venue : CSIR-NML Auditorium, Burmamines, Jamshedpur-831007

Prof. Jae-chun LEE

Distinguished Principal Researcher, KIGAM, South Korea

has kindly consented to be the Chief Guest.

Shri K. K. Mehrotra, CMD, MECON Ranchi


will be the Guest of Honour.



PROGRAMME

(9:00 – 11:00 hrs.)

- | | | |
|--|---|---|
| <i>Welcome address</i> | : | Er. B. K. Das , Chairman, IE(India) Jamshedpur Local Centre |
| <i>About the convention</i> | : | Dr. M. K. Jha , Convener, Technical Committee |
| <i>President's address</i> | : | Dr. N. R. Bandyopadhyay , Chairman, MMDB, IE(I)
<i>Felicitation of Eminent Engineers and presentation of IEI
Young Engineers Awards</i> |
| <i>Address</i> | : | Shri K. K. Mehrotra , Guest of Honour |
| <i>Address</i> | : | Prof. Jae-chun LEE , Chief Guest |
| <i>V. Subramony Memorial
Lecture</i> | : | Dr. S. Srikanth , Director, CSIR-NML, Jamshedpur
<i>Topic : Sustainability of Materials – Thermodynamic,
Kinetic and Environmental Dimensions</i> |
| <i>State of the Art Lecture</i> | : | Prof. R. C. Gupta , IIT, BHU, Varanasi
<i>Topic : The Utilisation of Iron Ore Fines: Technical Options
& Challenges</i> |
| <i>Vote of Thanks</i> | : | Dr. Ashok Kr. Vaish , Hon. Secretary, IE (India),
Jamshedpur Centre |



PLENARY LECTURE SCHEDULE
LG0-2013

PLENARY LECTURE SESSION: 22.01.2013

[Venue: NML Auditorium]

12:00 PM - 1:15 PM

Chairman: Dr. T. Venugopalan, Adviser to MD, TATA STEEL

Prof. Jae-chun Lee

“Developing E-waste recycling processes at KIGAM”

The logo for KIGAM, featuring the letters 'KIGAM' in a bold, blue, sans-serif font. The letter 'I' is stylized with a colorful, multi-colored swoosh that loops around it.

한국지질자원연구원
Korea Institute of Geoscience and Mineral Resources

Dr. B.K. Soni

“Act Before Nature Reacts”

The logo for Ecoreco, featuring a green circular icon with a white leaf and a recycling symbol. To the right of the icon, the word 'Ecoreco' is written in a bold, green, sans-serif font, with 'Eco Recycling Limited' in a smaller, black, sans-serif font below it.

Give your e-waste to the best



TECHNICAL SESSION SCHEDULE
LGO-2013

The background features a vibrant, abstract design with overlapping, multi-colored brushstrokes in shades of yellow, orange, red, and blue. A large, white, semi-transparent circle is centered on the page, serving as a backdrop for the text.

ORAL PRESENTATIONS

INDUSTRIAL PRACTICES SESSION: 22.01.2013

[Time: 2:15 – 3:45 PM]

Ore & Fines [Venue: NML Auditorium]

Chair: Dr. Ratnakar Singh

Co-Chair: Dr. Anuradha Madhukar

01	Aditya Dalmia, Dinesh Biswal, Sabyasachi Mishra, Heribert Breuer	Advanced Beneficiation technique for low iron ore	Allmineral Asia Pvt. Ltd.
02	R. R. Kumar, R. Jaffarullah, A. Arora, B.C. Roy, A. Kumar, B. P. Sinha	Experience of iron ore pellet charging in blast furnace at Bokaro Steel Plant	SAIL-Ranchi SAIL-Bokaro
03	Veerendra Singh, Nabonita Biswas, Tarun Chakravarty, S. Mohan rao	Exploitation of lean grade manganese ore from Joda Mines	TATA STEEL
04	P. S. Maji	Company Profile of OMML (Adhunik Group of Companies)	OMML Kandra
05	D. Gupta, L. K. Agarwal	Company profile of Jindal SAW Limited	Jindal SAW Limited
06	B. I. Karabhari, Bhaskar K, Pratap Shetty, Gururaja Prasad, Vijay Sharma	Expansion to one million tone steel production using captive iron ore cost effectively through ore beneficiation and pellet route	Usha Martin Limited

Environment & Recycling [Venue: NML Lecture Hall]

Chair: Dr. Santanu Bhattacharjee

Co-Chair: Dr. Sanjay Kumar

01	B. K. Soni	Recycling Revolution: Eco-Reco -The Destination	Eco-Reco Ltd. Mumbai
02	K. Suresh, J. M. Sharma, Subrato Chowdhury	A study on industrial waste jarosite as performance improver in OPC & PSC cements from the point of environmental sustainability?	ABSTC, Mumbai
03	J. B. Gupta, S. Sarode	New generation environment friendly iron ore pigment	Tata Pigments Ltd, Jamshedpur
04	A. Bandyopadhyay	About CDE Asia Limited and its research requirements.	CDE Asia Ltd.
05	S. N. Tiwari, S. M. Mazumdar, K. D. Ojha, S. K. Das, M. Choubey	Utilization prospects of select steel plant Waste	SAIL-Ranchi
06	Vinayanchal Jha	Recycling of Aluminium Dross	ADV, New Delhi

TECHNICAL SESSIONS: 22.01.2013

Agglomeration I: (22-01-2013, 4:00PM – 5:30PM) [Venue: NML Auditorium]

Chair: Prof. G.N.Jadhav

Co-Chair: Dr. Rina Sahu

01	Prof. G. N. Jadhav (KEY NOTE)	Applications of ore petrography for beneficiation of low grade iron ores	IIT, Bombay
02	A. Bandyopadhyay	Washing of sinter fines- an innovative alternative system	CDE Asia Ltd.
03	S. M. Lal, Mohan Ram, C. S. Gundewar	Characterization & beneficiation of banded hematite quartzite ore from Karnataka	IBM, Bangalore
04	P. S. Maji, P. V. Subba Rao, K. Karehanumappa, K. K. Gupta	Quality monitoring in producing marketable iron ore pellets	OMML, Kandra
05	Dilip Makhija, A. K. Mukherjee	Preconcentration of banded hematite jasper- A Comparative Study	TATA STEEL
06	R. J. Singh, Surbhi	Lowering of alumina in high alumina iron ores to produce DR-grade iron ore pellets	NIT Jamshedpur

Environment I : (22-01-2013, 4:00PM – 5:30PM) [Venue: NML Lecture Hall]

Chair: Shri. Prashant Krishnan

Co-Chair: Dr. K. D. Mehta

01	Shri. Prashant Krishnan (KEYNOTE)	Green initiatives: Success Stories of TATA MOTORS	TATA MOTORS Jamshedpur
02	Dr. Santanu Bhattacharya (KEY NOTE)	Urbanization and environmental degradation: Is it possible to strike a balance?	CSIR-NML Jamshedpur
03	Kavita Parmar, Santanu Bhattacharjee	Exploring metal silicate precipitation tubes prepared through 'silica garden' route as heavy metal adsorbent in aqueous medium	CSIR-NML Jamshedpur
04	N. S. Randhawa, Deepak Dwivedi, Sonu Prajapati, R. K. Jana	Utilisation of sea nodules leaching residue for adsorption of Ni(II) ions	CSIR-NML Jamshedpur
05	Arup Roy	Synthesis of magnetic adsorbent for removal of toxic heavy metals	IIT, Kharagpur
06	Indranil Roy, M. K. Kujur, S. K. Gurai, N. K. Ghosh, P. Chintash	Prospects of waste ferro alloy fines briquetting at CFP Chandarpur	RDCIS (SAIL) Ranchi

Recycling I: (22-01-2013, 4:00PM – 5:30PM) [Venue: NML DJ Hall]

Chair: P. V. Subba Rao

Co-Chair: Dr. Vinod Kumar

01	Prof. Jayanta Bhattacharya (KEY NOTE)	Considering Mine and Industrial Waste Water as Resource for Recycle and Reuse	IIT, Kharagpur
02	Bidus Kanti Das, Jayanta Bhattacharya	Establishing the scope of Chemo-bioreactor to treat metal rich acidic wastewater	IIT, Kharagpur
03	Mukul Kumar Singh	Study on ash water treatment and separation of a thermal power plant	Tata Power
04	V. A. Santakkey, M. S. Rao, Mohan Ram, C. S. Gundewar	Recovery of chromite value from COB plant tailing of Sukinda mines.	IBM Nagpur
05	S. Dev, Jayanta Bhattacharya	Dependence of bioremediation performance of acid mine drainage on substrate characteristics	IIT, Kharagpur
06	Amit Anand, Sanket Kumar, Rina Sahu	Engineering Sustainability Thermodynamics and the Environment (EXERGY CONCEPT)	NIT Jamshedpur

TECHNICAL SESSIONS: 23.01.2013

Ore Processing (23-01-2013, 9:30AM – 11:00AM) [Venue: NML Auditorium]

Chair: Dr. A. K. Mukherjee

Co-Chair: Dr. Kavita Parmar

01	Dr. Ratnakar Singh (KEY NOTE)	Beneficiation of low grade iron ore: Problems and prospects	CSIR-NML Jamshedpur
02	Jyoti Sharma, T. Sharma	Processing of iron ore fines	ISM, Dhanbad
03	S. Suresh, N.N. Viswanathan	Microwave mineral processing: A challenges in process intensification	IIT, Bombay
04	A. Vidyadhar, Renuka, M. Sharma, A. Das	Beneficiation of high ash Indian non-coking coal from Vasundhara Mines, Odisha	CSIR-NML Jamshedpur
05	Manish Kumar Mishra, R. Venugopal, N. Gurulaxmi Srikakulapu	Surface modification of fine minerals through selective magnetic coating for their recovery – A potential technique in lean grade ore processing	ISM, Dhanbad
06	Anjan Kumari, Archana Kumari, Manis Kumar Jha, Vinay Kumar, Sushanta Kumar Sahu, Jhumki Hait	Thermal treatment of Korean monazite for dephosphorisation by TG/DTA method	CSIR-NML Jamshedpur

Environment II (23-01-2013, 9:30AM – 11:00AM) [Venue: NML Lecture Hall]

Chair: Dr. S. Mohan Rao

Co-Chair: Dr. C. S. Gahan

01	Dr. D. D. N. Singh (KEY NOTE)	Environmental effect on degradation of metals & materials	CSIR-NML Jamshedpur
02	Archana Pandey, Shaveta Kohli, J.K.Singh, D. Saha, D.D.N Singh	Effect of air pollution on deterioration of galvanized coatings exposed in different climatic conditions of India	CSIR-NML Jamshedpur
03	R. N. Singh	Improvement in performance of Al-Zn alloy steel plant by paint coating	BLUESCOPE
04	G. N. Jadhav, Bishnu Biswal	Ore-Petrographic aspects of the Banded Iron Ore Formation of Codli Mines South Goa, India.	IIT, Bombay
05	S. Hembram, B. Nayak, R. Singh	Mineralogical character of one low-grade iron ore sample from Kiriburu and its implication on beneficiation	CSIR-NML Jamshedpur

Recycling II (23-01-2013, 9:30AM – 11:00AM) [Venue: NML DJ Hall]

Chair: Dr. B. K. Soni

Co-Chair: Dr. Avimanyu Das

01	Dr. S. Chatterjee (KEY NOTE)	India's Readiness on Electronic Waste Management and Recycling: A Strategic Analysis	DIT, Govt. of India
02	Amrita Kumari Jha, Manis Kumar Jha, Vinod Kumar, A. Vidyadhar, Neha Kumari, Jhumki Hait, Vinay Kumar	Electronic waste recycling in India and development of eco-friendly processes at CSIR-NML	CSIR-NML Jamshedpur
03	P. Venkataraman, Gauri R Bhagwat, Kavita V Lanke	Recycling of electronic waste – a review from patent perspective	CSIR-URDIP
04	Prvan Kumar Katiyar, N. S. Randhawa, J. Hait, K. K. Singh, T. R. Mankhand, R. K. Jana	Electro dissolution of tungsten carbide scrap: potentiodynamic studies	CSIR-NML Jamshedpur
05	N. R. Munirathnam, Ch. Appala Naidu, K. Ramaswamy, B. Mahender, R. Govindiah, Ch. Sudheer, M.R.P Reddy, Sandeep Chatterjee, T.L Prakash	RoHS compliance of cellular phones in Indian grey market and their recycling status	C-MET Hyderabad
06	M.R.P. Reddy, K. Srinivasa Rao, M. Raveendra, Arbind Kumar, P. Parthasarathy, T. L. Prakash, Sandip Chatterjee	A new recyclable resource for precious metals: scrap printed circuit boards	C-MET, Hyderabad

TECHNICAL SESSIONS: 23.01.2013

Agglomeration II (23-01-2013, 11:30AM – 1:00PM) [Venue: NML Auditorium]

Chair: Shri. K. K. Gupta

Co-Chair: Mr. Sanjay Agarwal

01	Shri. K. Karenumappa (KEYNOTE)	The contribution of green pellet properties in induration of iron ore pelletizing process	OMML Kandra
02	Kishan Kumar, Ranjit Prasad	Lean grade iron ore beneficiation: practices and challenges	NIT, Jamshedpur
03	J. Pal, S. Ghorai, S. Agarwal, Bikash Nandi, Tapas Chakraborty, M. C. Goswami, S. Prakash	Development of pellets from Noamundi iron ore fines	CSIR-NML, Jamshedpur
04	Sanjay Agarwal, S. Ghorai, J. Pal, D. B. Ghosh	Chromite ore fines sintering for ferrochrome production	CSIR-NML, Jamshedpur
05	R. Singh, M. Sinhababu, A. Roy, D. Mishra, A. Agrawal, K. K. Sahu	Chemical beneficiation low grade manganiferous clay and production of high value added products	CSIR-NML, Jamshedpur
06	R. P. Bhagat, K. D. Mehta, M. C. Goswami, P. Hansda, A. Kumar, R. Singh	Study on pelletisation cum sintering of ore concentrate from Gua Mines of SAIL	CSIR-NML Jamshedpur

Ores & fines-I (23-01-2013, 11:30AM – 1:00PM) [Venue: NML Lecture Hall]

Chair: Mr. P.S.Maji

Co-Chair: Dr. R. K. Rath

01	Dr. A.K. Vaish (KEY NOTE) S. D. Singh, R. K. Minj	Utilisation of Lean Grade Ni, Cr and Co bearing Magnetite ore for value added Product	CSIR-NML Jamshedpur
02	Nabonita Biswas, Tamal Kanti Ghosh, Rajesh Mukherjee, S. Mohan Rao	Exploiting iron values from iron ore source rock: opportunities	TATA STEEL
03	K. Suresh, Manish Kuchya, Subrato Chowdury	The effect of ground copper slag on the hydration kinetics and mechanical properties of Portland Pozzolana Cement	ABSTC, Mumbai
04	Mukesh Kumar Sharma	Modeling of reduction kinetics for different shape of iron ore graphite composite pellets reduced in a rotary hearth furnace	IIT, Kharagpur
05	C. B. Singh, R. N. Gupta, A. K. Vaish, Pankaj Kumar, B. K. Sthapak	Ancient iron making from lean grade ore in India	OPJIT, Raigarh
06	Minal Shah, Shoumodip Roy, Rina Sahu	Hybrid Pelletized Sinter	NIT, Jamshedpur

Recycling III (23-01-2013, 11:30PM – 1:00PM) [Venue: NML DJ Hall]

Chair: Dr. R. J. Singh

Co-Chair: Dr.S.K.Sahu

01	Dr. Manis Kumar Jha (KEY NOTE)	Need of e-waste recycling: An Indian Perspective	CSIR-NML Jamshedpur
02	Vinod Kumar, Manis Kumar Jha, Ratnakar Singh, Vinay Kumar, A. Vidyadhar, B. K. Soni	Physical & hydrometallurgical beneficiation of poly cracker ash to enrich the metal concentrate	CSIR-NML Jamshedpur
03	Pankaj Kumar Choubey, Manis Kumar Jha, Vinay Kumar, Jinki Jeong, Jae-chun Lee	A complete process flow sheet for the recovery of copper and nickel from waste PCBs	CSIR-NML Jamshedpur
04	M.R.P. Reddy, K. Srinivasa Rao, M. Raveendra, Arbind Kumar, P. Parthasarathy, T. L. Prakash, Sandip Chatterjee	Eco-friendly recovery process for precious metals from small outline transistors, integrated circuits and ball grid arrays	C-MET Hyderabad
05	Divika Gupta, Amrita Kumari Jha, Manis Kumar Jha, Vinay Kumar	Extraction and separation of cobalt and lithium as valuable products from spent mobile phone batteries	CSIR-NML Jamshedpur
06	Yasho Vardhan, R. J. Singh, Manis Kumar Jha, Shashank Chandrayan, Rajesh Prasad	Recovery of Cu, Fe & Pb from leach liquor of crushed printed circuit boards using hydrometallurgical processes	NIT, Jamshedpur

Agglomeration-III (23-01-2013, 2:00PM – 3:30PM) [Venue: NML Auditorium]**Chair: Prof. G. Kumar****Co-Chair: Dr. B. C. Yadav**

01	Prof. G. Kumar (KEY NOTE)	Metalliferous deposits along the east pacific rise – a case study	BIT, Sindri
02	Archana Kumari, Manis Kumar Jha, Sushanta Kumar Sahu, Jhumki Hait, Vinay Kumar, J.Rajesh Kumar, Jin Young Lee	Dephosphorization of Korean Monazite using alkaline leaching and soda roasting for the recovery of Rare Earth Metals (REMs)	CSIR-NML, Jamshedpur
03	Ganesh Chalavadi, Ranjeet Kumar Singh and Avimanyu Das	Fine coal processing using air fluidization	CSIR-NML Jamshedpur
04	R. R. Srivastava, A. N. Mishra	Co-precipitation study of nickel and cobalt from ammoniacal leach liquor of laterite ore	RTC, Vadodara
05	Dayanand Paswan, S. Ghorai, M. Malathi, D. Mandal, S. Prasad, S. Agarwal, R.K. Minj, S. D. Singh, A. K. Vaish	Production of ferrosilicon using banded hematite, quartzite and Jhama Coal	CSIR-NML Jamshedpur
06	M. M. Mahato, M. K. Agarwal, S. N. Sinha	Production of low sulphur spheroidal graphite pig iron in mini blast furnace by optimizing slag	NIT, Jamshedpur JAMIPOL

Environment III (23-01-2013, 2:00PM – 3:30PM) [Venue: NML Lecture Hall]**Chair: Dr. Vinay Kumar****Co-Chair: Dr. Abhilash**

01	Dr. B. D. Pandey (KEY NOTE)	Assessment and bioremediation approach for Cr(VI) in Indian chromite ore extraction	CSIR- NML Jamshedpur
02	Sushil Kumar Shukla, Lata Kumari, and Pradeep Kumar Mishra	Treatment of Anaerobically Biodigested Distillery Effluent through Coagulation	IIT BHU
03	B. Dhal, B. D. Pandey	Environmental issues in South-Kaliapani chromite mine area, Sukinda, India	CSIR-NML Jamshedpur
04	Chandra Sekhar Gahan, Jan-Eric Sundkvist, Åke Sandström	Microbial population dynamics during biooxidation of pyrite in chloride supplemented system	SRM, Tamil Nadu
05	Sandeep Panda, Nilotpala Pradhan, Umaballav Mohapatra, Lala Behari Sukla	Application of improved BACFOX bioreactor technology for recovery of copper from low grade chalcopyrite through heap bioleaching	IMMT Bhubaneswar
06	S. K. Tiwari, P. K. Choubey, S. P. Mahapatra	Environmentally friendly process for the preparation of chlorobutyl elastomer nanocomposites and its detailed study	NIT, Raipur

Recycling IV (23-01-2013, 2:00PM – 3:30PM) [Venue: NML DJ Hall]**Chair: Dr. M.R.P. Reddy****Co-Chair: Dr. T. C. Alex**

01	Shri. S. D. Bhattacharjee, M.K. Singh (KEY NOTE)	Sustainable Environment Management of waste water through 3-R's principle at Tata Power, Jojobera Power Plant, Jamshedpur	TATA POWER
02	N. Gurulaxmi Srikakulapu, P. K. Banerjee, A. K. Mukherjee	Re-utilization of Solid Wastes from Steel Industry	TATA STEEL
03	Y. Rama Murthy, Sunil K. Tripathy, K. Udaya Bhaskar	A process for the recovery of value added material from thermal plant waste - cenosphere	TATA STEEL
04	S. Chakravarty, Ashok Mohanty, Anita Kumari, Arun Kumar Mahato, Rupa Das Biswas, M. Singh	Management of waste printed circuit board: an overview of current technology in Indian perspective	CSIR-NML, Jamshedpur
05	J.K. Singh, Shaveta Kohli, Archana Pandey, D. Saha, D.D.N Singh	Effect of environmental constituents on deterioration of different grade of steels with passage of time	CSIR-NML, Jamshedpur

Ores & fines-II (23-01-2013, 3:30PM to 5:30 PM) [Venue: NML Auditorium]

Chair: Dr. L. K. Agarwal

Co-Chair: Dr. A.Vidyadhar

01	Dr. R.K. Jana (KEY NOTE)	Processing of low grade ores and waste through chloride metallurgy	CSIR-NML Jamshedpur
02	Sanjay Agarwal, K. K. Sahu, K. M. Godiwalla, R. K. Jana	Reduction smelting of polymetallic sea nodule to recover valuable metals in the form of alloy	CSIR-NML Jamshedpur
03	G. Sumedh, Shubham Indoria, Sushil Kumar, Vinod Kumar, Ranjit Prasad	Characterization of banded hematite jasper/quartzite	NIT, Jamshedpur
04	B. N. Choudhary, B. N. Roy, A. K. Vaish	Problems and solutions of lean grade ores and ore fines	RVS College Jamshedpur
05	B.C. Yadav, Satyendra Singh, T. P. Yadav	Preparation of Titania by Ball Milling and its Application as Liquefied Petroleum Gas Sensor	BBAU, Lucknow
06	Shantanu Agarwal, O. P. Sinha, N. K. Prasad	Study of reduction behavior of iron ore under micro wave sintering furnace.	IIT-BHU

Agglomeration IV (23-01-2013, 3:30PM to 5:30 PM) [Venue: NML Lecture Hall]

Chair: Dr. K. M. Godiwalla

Co-Chair: Dr. R. K. Minj

01	Shri. K.K. Bhattacharyya (KEY NOTE)	BENEFICIATION STRATEGIES FOR INDIAN IRON ORES	CSIR-NML Jamshedpur
02	K. D. Mehta, R. Singh, K. K. Bhattacharyya	Pelletisation of fine grained iron ore concentrate from Gua iron ore mines	CSIR-NML Jamshedpur
03	V. A. J. Aruna, B. P. Ravi, N. P. Haran, Mohan Ram, C. S. Gundewar	Recovery of phosphate from lean resources	IBM, Bangalore
04	Anup M. Panindre, Nitish Ranjan, Rina Sahu	Reclaiming Iron from Solid Wastes via Romelt Process	NIT, Jamshedpur
05	Deepjyoti Mukherjee, Brijesh Kumar, Rina Sahu	To study the preparation of sinter and its effect on blast furnace characteristics.	NIT, Jamshedpur

Environment IV (23-01-2013, 3:30PM to 5:30 PM) [Venue: NML DJ Hall]

Chair: Dr. D.D.N Singh

Co-Chair: Dr. Anil Kumar

01	Gaurav Anand [KEYNOTE]	'Plastic on Road' to 'Plastic in Road'	JUSCO Jamshedpur
02	B. N. Singh, Sangita. D. Kumar, A. V. R. Reddy	Evaluation and application of serpentine ore as a stationary phase for the separation and analysis of environmental hydrocarbons studies by gas-chromatography	BARC, Mumbai
03	Sanjay Prasad	Recycling of zinc dross for the preparation of pure zinc powder	CSIR-NML Jamshedpur
04	Santosh Kumar	Use of waste plastic in iron making	NIFFT Ranchi
05	M.Trilok Varma, Rina Sahu	To study the utilization of slag and sludge from steel industries	NIT, Jamshedpur
06	Firdas Anjum	Water pollution in industrial town: A case study	JWC, Jamshedpur

The background features a vibrant, abstract design with overlapping brushstrokes in shades of yellow, orange, red, and blue. The strokes are thick and expressive, creating a sense of movement and energy. In the corners, there are faint, stylized paw prints, adding a playful and personal touch to the design.

POSTER PRESENTATIONS

ORE & FINES

1.	Sanchit Agarwal, Arihant Vijay, Aruna Gupta, V. K. Saxena	Fly Ash	ISM, Dhanbad
2.	Sanchit Agarwal, Aruna Gupta, Arihant Vijay, Vikas Agrawal	Ball-mill sizing and energy-based relationship	ISM, Dhanbad
3.	Pratima Gajbhiye	A Review on Flotation Frothers	ISM, Dhanbad
4.	Kaushik Kishore	Modeling of Blast Furnace at TATA STEEL, Jamshedpur	NIT, Durgapur
5.	B. K. Purohit, Swati Pramanik, Pratima Meshram, S. K. Sahu, B. D. Pandey	Chemical Beneficiation of Hingula Coal	CSIR-NML Jamshedpur
6.	Prabir Roy, S.K. Pradhan, R.N. Behra, Vinod Kumar, Mamta Sharma, R.Singh, G.N.Jadhav	Implication prospective of process mineralogy for beneficiation of low grade ores in Jharkhand	CSIR-NML Jamshedpur
7.	Sarita Sahu, R.J. Singh, Rina Sahu	To study the preparation of flow sheet to produce DR grade pellet concentrate from high alumina iron ores of Jharkhand-Orissa zone	NIT Jamshedpur
8.	Deepjyoti Mukherjee, Brijesh Kumar, Rina Sahu	To study the preparation of sinter and its effect on blast furnace characteristics.	NIT Jamshedpur
9.	Minal Shah, Shoumodip Roy, Rina Sahu	Production of perfect sinter- need for every blast furnace	NIT Jamshedpur

ENVIRONMENT

10.	Satyendra Singh and B.C. Yadav	Nanostructured Ferrite materials as room temperature liquefied petroleum gas sensor	BBAU Lucknow
11.	Arup Roy	Synthesis Of Magnetic Adsorbent For Removal Of Toxic Heavy Metals	IIT Kharagpur
12.	Rekha Panda, Archana Kumari, Manis Kumar Jha, S.K. Sahu, Jhumki Hait, Vinay Kumar	Leaching of rare earth metals (REMs) from Korean monazite using Hydrochloric acid	CSIR-NML Jamshedpur
13.	Meenu Verma, S.Shallika, Ranjit Prasad	Function of selected bacterial communities in metal contaminated soil may be beneficial in mining industry: a review	NIT Jamshedpur

RECYCLING

14.	Angad, Rajnish kumar, T. Sharma	Utilisation of low grade iron ore fines	ISM Dhanbad
15.	Uma Chandra Oraon, Jyoti Kumar, Ch. Srinivas Rao, Vinod Kumar, Mamta Sharma, Ratnakar Singh Jae-chun Lee	A novel process for the recycling of valuable metals from end of life electrical and electronic equipment using physical processing techniques	CSIR-NML Jamshedpur
16.	Anup M. Panindre, Nitish Ranjan, Rina Sahu	Reclaiming Iron from Solid Wastes via Romelt Process	NIT Jamshedpur
17.	Ranju Kumari, Swati Kumari	Future perspective of urban ore and waste recycling for environmental protection	Graduate College for Women, Jamshedpur
18.	Yasho Vardhan, R.J. Singh, M.K.Jha, S. Chandrayan, Rajesh Prasad	Recovery of Cu, Fe & Pb from leach liquor of crushed printed circuit boards using hydrometallurgical processes.	NIT Jamshedpur
19.	Shashank Chandrayan, R. J. Singh, Yasho Vardhan, Rajesh Prasad, Manis Kumar Jha, Vinay Kumar	Leaching of metals present in the Printed Circuit Boards (PCBs) of obsolete Computers	NIT Jamshedpur
20.	Rajesh Prasad, R.J. Singh, Manis Kumar Jha, Yasho Vardhan, Shashank Chandrayan	Recovery of rare earth metals from crushed fluorescence material using hydrometallurgical processes	NIT Jamshedpur

KOREAN INTERNS

21.	Arim An, Chanki Jeong, Sanchita Chakravarty, Manis Kumar Jha, Seong Hi Choi, Hee Chan Jo	Evaluation of coal core by complete analysis and beneficiation of coal	Chungnam National University, Seoul National University
22.	Moo Jin Kim, A. Vidyadhar, Mamta Sharma, Hae Su Yun	Characterization and beneficiation of Korea Beach sand	Chungnam National University
23.	Young Hoon Lim, Vinod Kumar, Manis Kumar Jha, Mamta Sharma, Ratnakar Singh, Kyong Keun Yoo	Development of novel processes for recovery of metals from poly cracked PCBs using physical beneficiation and hydrometallurgical technique.	Korea Maritime University
24.	Oh Hyeok Kwon, B. Nayak, Vinod Kumar, Ratnakar Singh, Kyong Keun Yoo	Implication of ore microscopy for beneficiation from low grade iron ore.	Korea Maritime University
25.	Hye Min Kim, Manis Kumar Jha, Vinod Kumar, Sushanta Kumar Sahu, Vinay Kumar, Kyong Keun Yoo	Development of e-waste recycling process using mechanical pre-treatment and hydrometallurgical route.	Korea Maritime University
26.	Sanghee Jun, Manis Kumar Jha, Vinay Kumar, Jhumki Hait, Kyong Keun Yoo	Rare earth characterization and processing for metal recovery from Korean monazite	Korea Maritime University
27.	Minji Jun, Manis Kumar Jha, Jhumki Hait, Vinay Kumar, Joeryung Lee	Recovery of Indium from scrap LCD Monitors	Kangwon National University