



S.A.C

## MRITTIKA 2.0

### NATIONAL CONFERENCE ON PRESENT SCENARIO AND FUTURE TRENDS IN CERAMICS AND ALLIED INDUSTRIES.

The Department of Ceramic Engineering and Incers Student Chapter of NIT Rourkela organized MRITTIKA 2.0- A National Conference on Present Scenario and Future Trends in Ceramics and Allied Industries from 6th to 8th April.

The Inaugural session was chaired by Dr. K.Umamaheshwar Rao, Director, NIT ROURKELA, as the Chief Guest, and Dr. Prof. Parag Bhargava, Prof. Metallurgical Engineering and Material Sciences, IIT BOMBAY as the Guest of Honor. The other eminent personnel on the dais were Prof. Ranabrata Mazumder, Chairman; Prof. Ritwik Sarkar and Prof. Swadesh Kumar Pratihar as the convenors of the Conference.

More than 50 delegates took part in the conference from reputed Industrial Companies like Mahakoshal, ABG Hindalco, SinoGlobal- Arya Metallurgicals, TRL Krosaki, Sarvesh Refractories, etc and the conference witnessed a footfall of more than 200 students from NIT ROURKELA, NIT Jamshedpur and GCECT, Kolkata and IIT DHANBAD. The day-1 session started with the Inauguration of the Ceremony by Lamp Lighting. The Chairperson of Indian Ceramic Society student chapter NITR, Ms. Deepsikha Brahma welcomed the delegates and the audience. The session continued with the introduction to National Conference and MRITTIKA 2.0 by the Prof. Ritwik Sarkar and Prof. Ranabrata Mazumder, Introduction to InCerS Student chapter by Prof. Swadesh Kumar Pratihar followed by the address of Director NITR, Prof. K. Umamaheswar Rao.

Prof. K Umamaheswar Rao addressed the gathering on the versatility of the Ceramic and its Applications and motivated the audience to pursue and enlighten their thought process on the core subjects. The souvenir booklet was released. The session was followed by the Plenary Lecture of Prof. Parag Bhargava and concluded with a cultural night followed by Dinner.



**DAY 1**

The **Second Day** of the session was chaired by Shri. Atanu Bhowmick, Director RSP, and Mr. S.D. Majumdar Vice President, IFGL Refractories Ltd, Kolkata. The conference began with the address session of Shri Atanu Bhowmick and followed by the keynote lecture of Mr. S.D. Majumdar.

Shri. Atanu Bhowmick addressed the gathering of nearly 250 people with his knowledgeable and inspiring words. Shri. Atanu Bhowmick said, "I am honoured to join the conference organised by Department of Ceramic Engineering and Indian Ceramic Society student chapter NITR as the Chief Guest. It's a Home coming for me as I graduated from NITR from the Department of Metallurgical and Material Science Engineering. India's present steel production rate is 130 million tons which is 2nd largest globally after China and our nation India targets 300 M ton steel production by 2030. Refractories have to play a pivotal role to achieve the target and Refractories have to cope up with the changes and advancements in steel making. There has been a Crisis in refractory raw material, supply from China restricted due to many reasons. Therefore, Indian refractory makers have to upgrade the production quality, search for indigenous raw materials, development of newer products, use of waste refractory, implementation of industry 4.0, carbon foot print and green refractory processing.

The Director Incharge is an ideal personality for the people of Rourkela and be it the Steel township, the cultural canvas, the sporting arena or the peripheral villages, his commitment to improving the quality of life and living of people is exemplary.

The Department of Ceramic Engineering and Indian Ceramic Society student chapter NITR is honored and glad for his presence during the Conference.

The session chair of the day were : Prof. Santanu Bhattacharyya, Prof. Partha Saha, Prof. Ranabrata Mazumder and Prof. Sumit Kumar Pal. After a quick High Tea break, we had three consecutive invited lectures by Mr. Piyush Pandey, AGM Hindalco, Ms. Riya Ghosh (Technical Marketing Manager) & Ms. Ankita Mishra (Product Development Manager), Elkem and Mr. G.S. Debasisha, Manager Sarvesh Refractories. This was followed by a Keynote lecture by Mr. Himanshu Biswal, head of Blades Division (Director) at Senvion Wind Technology. Next we had a keynote speech by Mr. Alok Patro, Deputy General Manager, TRL Krosaki. Next we had a Poster Presentation session by UG & PG students. Day-2 ended with a KeyNote Motivational Lecture by Dr. Parag Bhargava from Metallurgical Engineering and Materials Science, IIT Bombay.



The session chair of the last day were Prof. Sunipa Bhattacharyya and Prof. Debasish Sarkar. The **last day** of the conference began with a KeyNote Lecture by Mr. Maharshi Samanta, Founder, Center for Industrial Quality and Research. This was followed by an Invited Lecture by Mr. Shishir Kumar Patra, General Manager (Engine Division) Hindustan Aeronautical Limited (HAL). Next we had two Invited Lecture by Mr. Bikash Sahoo, Assistant General Manager, TRL Krosaki followed by Mr. Sanjoy Raha, Senior Manager (SMS Refractory), Jindal Stainless Steel. The winners of Poster Presentations were awarded with a cash prize and were honored by Mr. Rabi Narayan Mishra, Unit head Muri Works, Aditya Birla Hindalco. This was followed by an exciting Panel Discussion on the topic : Panel Discussion topic :Role of Ceramic Industries for Atmanirbhar Bharat.

The following people were the panelists:

1. Prof. Partha Saha, Dept of Ceramic Engineering, NIT Rourkela
2. Mr. Maharshi Samanta, Founder, Center for Industrial Quality and Research
3. Mr. Rabi Narayan Mishra, Unit head Muri Works, Aditya Birla Hindalco.
4. Mr. Sanjoy Raha, Senior Manager( SMS REFRACTORY), Jindal Stainless Steel Ltd.
5. Mr. Jyotiprakash Nayak, General Manager, Technology, TRL KROSAKI.

Huge congratulations to the organizing team and the students for their efforts and making the event successful.

