



September, 2021
Second Circular

**INTERNATIONAL BAUXITE, ALUMINA
& ALUMINIUM SOCIETY (IBAAS)**

Jointly with

**Jawaharlal Nehru Aluminium Research
Development & Design Centre (JNARDDC), India
presents**

**10th International Bauxite, Alumina
& Aluminium Conference & Exhibition**

IBAAS-JNARDDC 2022

**February 2-4, 2022
Courtyard Marriott
Raipur, INDIA**

**'SUSTAINABILITY CHALLENGES OF
BAUXITE, ALUMINA & ALUMINIUM INDUSTRY'**

**With one day workshop of
Aluminium Stewardship Initiative (ASI)**

IBAAS-JNARDDC 2022 Sponsors, Participating Companies & Organizations

Co- Organizer



Jawaharlal Nehru Aluminium
Research Development and
Design Centre (JNARDDC), India

Associated Organizer



Aluminium Stewardship
Initiative (ASI)

Event Partner



International Aluminium Institute,
UK

Media Partners



Gold Sponsor



Tokai COBEX GmbH, Germany



Participating Organizations



Objectives of the Conference:

- ✦ Highlight the latest technological developments, ways & means to increase the production and productivity of the aluminium industry.
- ✦ Sustainability, environmental challenges and GHG emissions of bauxite, alumina and aluminium production.
- ✦ To review the recent technological developments in the world and their relevance to the Indian aluminium industry.
- ✦ Identify new value-added products and technology for bauxite, alumina and aluminium based materials.

- ✦ Digitization of alumina and aluminium production technologies and achievements.
- ✦ Present and future prospect of the aluminium downstream industry including recycling of scraps.
- ✦ The market for bauxite, alumina and aluminium and value-added products.

The Conference and Exhibition will provide an excellent opportunity to meet and interact with experts, scientists, engineers, entrepreneurs, equipment manufacturers, raw materials producers and representatives of aluminium industries from all over the world.



Encouraging response is being received from several organizations /companies and experts for the contribution of technical papers / presentations and participation in this conference. All the abstracts received so far are compiled and uploaded on IBAAS website <http://www.ibaas.info/>.

Details of IBAAS, JNARDDC and ASI are also available on IBAAS website.

Best Regards,
IBAAS-JNARDDC

Patrons

- Dr. Anupam Agnihotri, Director, JNARDDC, India
- Mr. Yves Ocello, Director, Amber Development, France
- Mr. Bibhu Mishra, Head - Manufacturing Centre of Excellence, HINDALCO, India
- Dr. Fiona Solomon, Chief Executive Officer, Aluminium Stewardship Initiative

Core Team

- | | | |
|-------------------------------|----------------|-------------------------|
| ➤ Dr. P.K. Banerjee | ➤ Dr. M.K. Roy | ➤ Mr. A.T. Mathew |
| ➤ Dr. Sankar Sankaranarayanan | ➤ Mr. Guo Pu | ➤ Dr. Vilas Tathavadkar |
| ➤ Mr. Basudeb Datta | | |

Technical Committee

- | | | |
|-------------------------|---------------------------|------------------------|
| ➤ Dr. T.R. Ramachandran | ➤ Dr. Kumaresan Thangaraj | ➤ Dr. Amit Gupta |
| ➤ Mr. Alex Aboagye | ➤ Dr. Chenna Rao Borra | ➤ Mr. Satyanarayan Das |
| ➤ Mr. Manish Kumar Jain | ➤ Mr. Sagar Pandit | ➤ Mr. Bimal Senapati |
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| ➤ Mr. Gajanan Thakre | ➤ Mr. Kausikisaran Misra | ➤ Mr. Ramana Murthy |

Organizing Committee

- | | |
|-----------------------|-----------------------|
| ➤ Ms. Priyanka Jadhav | ➤ Ms. Piyal Sen Gupta |
| ➤ Mr. R.L. Bhatia | ➤ Ms. Kabita Nandi |

Convener

- Dr. Ashok Nandi

Interesting Abstracts:

IBAAS has received about 30 abstracts from all over the world on various aspects of bauxite, alumina and aluminium industry and some of the interesting topics are given below:

1. General

- ✓ Digital Strategy, its Deployment and Various Elements for Success with Reference to HINDALCO' by Bibhu Mishra, Head - Manufacturing Centre of Excellence, HINDALCO, India

2. Bauxite-Alumina

- ✓ Non-Chinese High-Grade Bauxite Available for India for Many Applications by John A. Karson of First Bauxite
- ✓ Alumina Based Ceramics - Problems and Prospects by Shyam S Rao, Carborundum Universal Limited
- ✓ How Cut-Off Grade Changes the Configuration of Bauxite Ore Body, Resources, Grades and Contribute to Economic Valuation of a Project? by Basudeb Datta of SMHL/ Vimetco
- ✓ Bauxite Tailings Valorization: From Test Works to Industrial Scale Up by Thomas Baumann of AKW Apparate + Verfahren GmbH
- ✓ Technological Aspects of Bauxite-Alumina production in India by P.K. Banerjee of Hindalco Industries Limited
- ✓ A Fresh Water Free Alumina Refinery! by Andrew Furlong of Worley
- ✓ Improving Yield While Maintaining Product Quality in Bayer Precipitation Circuits

by Alex Aboagye

- ✓ Solving the Descaling Dilemma: Robotic Arms Assist in Improving Cleaning and Ensuring Safety *by Mathieu Bergeron of Mecfor Inc.*
- ✓ MAX HT® 550 SODALITE SCALE INHIBITOR application at UTKAL Alumina International Ltd. - A “Green Solution” for Alumina Refinery’s Sustainable Performance Improvement *by Gaurav Gite of Solvay*
- ✓ The Improved Low Temperature Digestion (ILTD) Process for High Silica Bauxites and Aluminous Laterites *by György (George) Bánvölgyi*
- ✓ CFD Modelling of Cooling Cyclones in a Gas Suspension Calciner for an Alumina Refinery *by Sai Hitesh Bhandaru of ABSTC*
- ✓ Mixing Behaviour Analysis and its Effect on Precipitation Circuit Productivity *by Moulish Kommu of Aditya Birla Science and Technology Company Pvt. Ltd*
- ✓ Tailings management and sustainability *by Raphael Costa of Norsk Hydro*
- ✓ Advanced Process Control for grinding circuit - Unlocking the potential for throughput improvement and energy savings in Ball Mills *by Sasmita Samal of Vedanta Ltd.*
- ✓ Microwave Processing of Red Mud for Recovery of Metallic Values *by Nikhil Dhawan of IIT-Roorkee*
- ✓ Process for Soda and alumina recovery from Central Indian Bauxite Residue *by Chandrakala Kari of ABSTC*

3. Aluminium Smelter

- ✓ Make your Anode Baking Furnace Smart and Greener *by Christophe BOUCHE of Fives Solios*
- ✓ The Digital Smelter, How to Enable AI and Digital Twins? *by Martin Provencher of AVEVA \ Performance Intelligence*
- ✓ Discussions on the Importance of Retrofit Projects in the Years to Come and Review of the GP350 Retrofit Project in QTX Smelter in China by SAMI *by Marc Dupuis of GéniSim Inc.*
- ✓ Computational Analysis of Mechanical Deformation in Aluminium Reduction Cell *by Tushar S. Thorat of ABSTC*
- ✓ A Process to recover metallic aluminum from aluminum Dross ensuring Zero Waste and Zero Discharge, promoting Circular Economy *by Prasad Nuka of Runaya Refining LLP*
- ✓ Factors Affecting Properties and Performance of Carbon Anodes *by Khalil Khaji*
- ✓ Development of Bath Recycling Crushing Circuit for Anode Covering Materials *by M.Behera*

- ✓ Reduction in specific HFO consumption in carbon anode baking furnace *by Sreejana Ghosh of BALCO*
- ✓ Impact of Operational Parameters in Aluminum Reduction Cell - A Computational Analysis *by Venkannababu Thalagani of ABSTC*
- ✓ A Review on Specific Energy Reduction for Aluminum Production *by Ved Prakash Rai of Hindalco Renukoot*
- ✓ PTM Fleet Performance Improvement in Last Decades *by LEROY Jean-Paul of Fives ECL*
- ✓ Sustainable Operation of Anode Baking Furnace with shorter fire cycle to meet customer requirement *by Suryakanta Nayak of Aditya Aluminium*
- ✓ Production of P0303 Grade Sows at Mahan Aluminium *by Pratap Sahu of Hindalco Industries Ltd, Mahan Aluminium*
- ✓ Digital transformation journey at Vedanta Jharsuguda to embrace Industry 4.0 solutions *by Sushant Sahoo of Vedanta Limited*

4. Aluminium Downstream and Recycling: Coordinator JNARDDC

- ✓ Advanced Casthouse Operations: how it is possible to improve efficiency while solving safety *by René Laliberté of Mecfor Inc.*
- ✓ Additive manufacturing process for manufacture of Al parts & molds for Al manufacture - an Overview *by Jagadish Chandra of q-Maxim LLP*
- ✓ Rising scope of Aluminium Recycling in India *by Kapil Agarwal of Jindal Aluminium*
- ✓ Online welding of balance beam plates *by Deepak Prasad of BALCO*
- ✓ Successful journey of 65032 Billet Alloy Development & Customer Qualification *by Ramya Datrika of Vedanta Limited*

5. Workshop on ASI Certification: Coordinators Cameron Jones, Marieke van der Mijn, Thad Mermer and Camille Le Dornat

Important Dates

Deadlines for submission of abstract and final manuscript

- | | |
|-------------------------------|--------------------|
| ➤ Abstract in English | September 30, 2021 |
| ➤ Final manuscript in English | November 30, 2021 |
| ➤ Presentations in English | December 31, 2021 |

For young specialists and students, a special Poster Session will be organized to present poster papers at the venue of conference.

Conference information

Venue & Accommodation:

The IBAAS-2022 Conference & Exhibition will be held at the *Courtyard by Marriott, Raipur*.

Contact details:



Reservation Desk

Email id: reservations.raipur@courtyard.com

Cell No.: +91 771 4330000

COURTYARD BY MARRIOTT RAIPUR

Opp. Indira Gandhi Agriculture University

NH 6, Labhandi, Raipur 492012

Website: <https://courtyard.marriott.com/>



Hotel Tariff

Premier Rooms	Special Rates for IBAAS-JNARDDC 2022 Delegates (Including Breakfast)	
Single Occupancy	₹5,750+ 12% tax per room per night	About 78 US\$ + 12% tax per room per night
Double Occupancies	₹6,500 + 12% tax per room per night	About 90 US\$ + 12% tax per room per night

✓ *If accommodation is booked directly by delegates, kindly give reference of "IBAAS-JNARDDC 2022".*

Here is the reservation link to make online reservations:

[Book your group rate for IBAAS](#)

Other Hotels

There are many other hotels/accommodations available near the conference venue. On request, IBAAS office may provide details.

Language

The language of the Conference is English. Papers will be published in the Proceedings Volume in English.

Invitation Letter

If requested by participants, an official invitation letter would be sent by IBAAS. Visa invitations will also be organized by IBAAS and JNARDDC.

Proceedings

Selected papers will be published in the form of PROCEEDINGS, a soft copy of which will be made available on a Flash drive at the time of the Conference. All the presentations received before the conference will be compiled and circulated during the conference.

Conference fees

Delegate Fee

Please find below the fees for delegates, paper presenters and student/research scholar. Delegates from India and other countries can pay in INR and US\$.

	Participants	Organizational Fee	
		INR (₹)	US\$
1.	General Delegates	30,000	500
2.	Paper Presenters	15,000	250
3.	Government R&D Institutes / Government Officials	15,000	250
4.	Participants fees for One day ASI Workshop	10,000	165
5.	Students/Research Scholar	7,500	125
6.	Accompanying Spouse	7,500	125

- ✓ *Delegate fee includes conference materials, lunches, dinner and tea/coffee.*
- ✓ *Extra 18% GST will be applicable on both INR and US\$.*

Sponsorship

Sponsoring this IBAAS-JNARDDC 2022 International Event will provide the opportunity to highlight your company profile and gain unparalleled access to the key decision makers in this industry.

The sponsorship packages available are:

Platinum Sponsor: ₹11,00,000+18% GST or US\$18,000 (No GST for payment from abroad)

- About 30 minute presentation on the first day of IBAAS conference.
- Chairman of one session
- A standard stall
- Company logo on IBAAS webpage with a link.
- Company name and logo on background board of conference venue, advertisements and conference documents.





6. Company name in all the publications of IBAAS.
7. Sponsorship highlighted in updated conference circular that will be sent to all the aluminium companies.
8. Projection of company name and logo in panel hall during tea break.
9. Full page coloured advertisement in conference souvenir (booklet).
10. Conference registration for 8 delegates included.

Gold Sponsor: ₹8,50,000+18% GST or US\$14,000 (No GST for payment from abroad)

1. A 25 minute presentation on the first day IBAAS conference.
2. A standard stall
3. Company logo on IBAAS webpage with a link.
4. Company name and logo on background board of conference venue, advertisements and conference documents.
5. Company name in all the publications of IBAAS.
6. Sponsorship highlighted in updated conference circular that will be sent to all the aluminium companies.
7. Projection of company name and logo in panel hall during tea break.
8. Full page coloured advertisement in conference souvenir (booklet).
9. Conference registration for 5 delegates included.

Silver Sponsor: ₹7,50,000+18% GST or US\$ 12,000 (No GST for payment from abroad)

1. A 20 minute presentation on the first day IBAAS conference.
2. Company logo on IBAAS webpage with a link.
3. Company name and logo on background board of conference hall, advertisements and conference documents.
4. Company name in all the publications of IBAAS.
5. Sponsorship highlighted in updated conference circular that will be sent to all the aluminium companies.
6. Projection of company name and logo in panel hall during tea break.
7. Full page coloured advertisement in conference souvenir (booklet).
8. Conference registration for 3 delegates included.

Support Sponsor: ₹5,00,000+18% GST or US\$ 8,000 (No GST for payment from abroad)

1. Company logo on IBAAS webpage with a link.
2. Company name in all the publications of IBAAS.
3. Sponsorship highlighted in updated conference circular that will be sent to all the aluminium companies.
4. Projection of company name and logo in panel hall during tea break.
5. Full page coloured advertisement in conference souvenir (booklet).
6. Conference registration for 2 delegates included.

Conference Dinner Sponsor: ₹4,00,000+18% GST or US\$ 6,000 (No GST for payment from abroad)

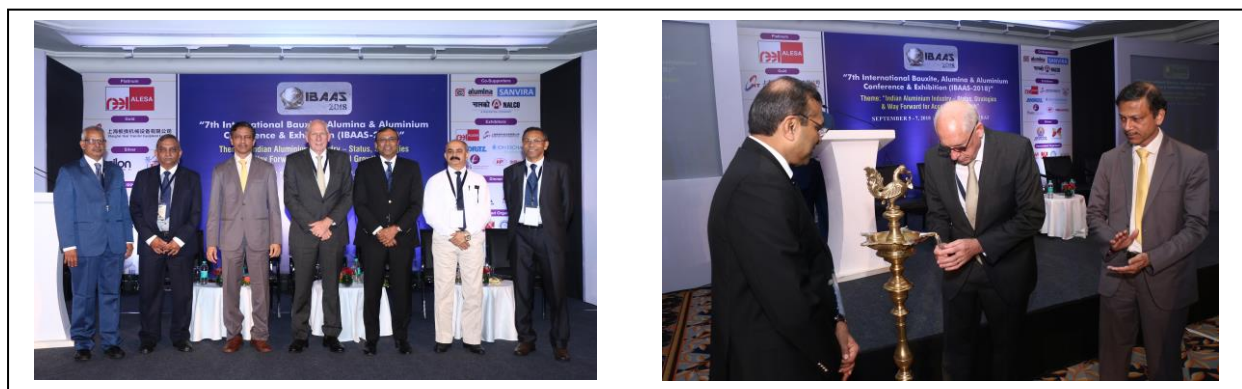
1. Company name and logo on banners at the venue.
2. Company logo on dinner coupon.
3. Company logo on IBAAS webpage with a link.

4. Company name and logo on background board of conference hall, advertisements and conference documents.
5. Company name in all the publications of IBAAS.
6. Sponsorship highlighted in updated conference circular that will be sent to all the aluminium companies.
7. Projection of company name and logo in panel hall during tea break.
8. Full page coloured advertisement in conference souvenir (booklet).
9. Conference registration for 2 delegates included.

Conference Lunch Sponsor: ₹3,00,000+18% GST or US\$ 5,000 (No GST for payment from abroad)

1. Company name and logo on banners at the venue.
2. Company logo on lunch coupon.
3. Company logo on IBAAS webpage with a link.
4. Company name and logo on background board of conference hall, advertisements and conference documents.
5. Company name in all the publications of IBAAS.
6. Sponsorship highlighted in updated conference circular that will be sent to all the aluminium companies.
7. Projection of company name and logo in panel hall during tea break.
8. Full page coloured advertisement in conference souvenir (booklet).
9. Conference registration for 2 delegates included.

✓ *For Foreign Companies No GST is applicable.*



Exhibition

At the venue of the IBAAS-JNARDDC 2022 conference, an exhibition will be organized showcasing the developments of the aluminium industry in India and the world over.

Fully furnished aluminium framed stalls of 2m x 2m size would be available for interested companies. More than 200 delegates from India and abroad are expected to participate in this International mega event.



The tariff for the exhibition stall is as follows:

Sr.No.	Exhibition module	Tariff for 3 days conference	
		INR (₹)	US\$
1	1 stall	300,000	5,000
2	2 stalls	500,000	8,000
3	3 stalls	600,000	10,000

- ✓ The exhibitor will get 2 free delegates on registration of each stall.
- ✓ For Indian Companies extra 18% GST will be applicable.
- ✓ For Foreign Companies No GST is applicable.

Advertisement

A Souvenir (booklet) will be published containing company profiles and advertisements.

The tariff is as follows:

Sr. No.	Advertisement in Conference Souvenir	Fee	
		INR (₹)	US\$
1	Back Page Cover (Coloured)	120,000	2,000
2	Front inside Page (Coloured)	96,000	1,600
3	Back inside Page (Coloured)	72,000	1,200
4	Full Page (Coloured)	60,000	1,000
5	Half Page (Coloured)	48,000	800
6	Black & White (Full Page)	48,000	800

- ✓ For Indian companies extra 18% GST will be applicable.
- ✓ For Foreign companies No GST is applicable.

Post Conference Visits

The post conference visits to the HINDALCO Jharsuguda smelter and other alumina refineries /smelters in the vicinity are being organized after this conference on February 5-6, 2022. Visit to these facilities will be finalized by the end of this year, subject to the fulfilment of health and safety requirements. Interested delegates are requested to contact the IBAAS office for details and registration.

Mode of Payment and Communication

A new payment gateway is established for IBAAS conferences and exhibition. A new company named as INSTITUTION OF BAUXITE ALUMINA AND ALUMINIUM STUDIES PVT LTD. (IBAAS) has been set up for this purpose. The Registration No. of this company is U74999MH2020PTC338118 and the Permanent Account Number (PAN) is AAFCI5966F and the GSTIN is 27AAFCI5966F1ZA. Kindly use this new payment gateway for all the IBAAS remittances.

The Indian companies / delegates can pay registration, sponsorship, advertisement and exhibition fee in one of the following ways:

Payment to the Bank account of IBAAS, India:

- By wire / Internet transfer to IBAAS Current Account
Account No. 005905020300
Bank name: ICICI Bank (Nagpur Civil Lines)
SWIFT CODE: ICICINBBCTS
RTGS/NEFT IFSC code: ICIC0000059
- By multicurrency cheque or demand draft in the name of “INSTITUTION OF BAUXITE ALUMINA AND ALUMINIUM STUDIES PVT LTD” and send it by post to IBAAS, Row House A/5, Rajat Utsav II Kachimet, Amravati Road, Nagpur 440033, India.
- Payment can also be made by Indian companies and delegates through the QR code given below:



The foreign companies / delegates can pay their registration, sponsorship, advertisement and exhibition fee in the following way:

- By wire / Internet transfer to IBAAS Current Account
Ultimate Beneficiary:
Account Number: 005905020300
Account Name: INSTITUTION OF BAUXITE ALUMINA AND ALUMINIUM STUDIES PVT LTD
Beneficiary Bank: ICICI Bank Ltd, Mumbai (India)
ICICI BANK SWIFT CODE: ICICINBBCTS
Corresponding/Intermediary Bank Name: J P MORGAN CHASE BANK, NEW YORK
Corresponding Bank Swift Code: CHASUS33XXX
Purpose: Advertising, trade fair service

Receipt of payment will be provided by e-mail and hardcopy will be sent by post/courier.

Please confirm your payment on e-mail info@ibaas.info and contact us for further queries on payments.

Contact Information

IBAAS Office, India

Web site: <http://www.ibaas.info/>

Office E-mail: info@ibaas.info

Contact Persons:

✚ Dr. Ashok Nandi, *President & Conference Convener*
Cell No.: +91 9823015772
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✚ Ms. Priyanka Jadhav
Executive (Administration & Finance)
Cell No.: +91 9373818839
info@ibaas.info
info.ibaas@gmail.com

✚ Ms. Piyal Sen Gupta
piyal@ibaas.info

You are requested to send all materials related to Conference "IBAAS-JNARDDC 2022", to the e-mail addresses shown above. Your participation in the Conference will be highly appreciated.

Organizing Committee IBAAS-JNARDDC 2022





IBAAS-JNARDDC 2022

“Sustainability Challenges of Bauxite, Alumina & Aluminium Industry”

REGISTRATION FORM

Title-(Prof/Dr/Mr/Mrs/Ms)	
Name of the Participant	
Position	
Name of the Organization/Institute / Company / Industry	

Address			
City		State	
Zip Code		Country	
Email			
Telephone		Mobile No.	

Require Visa Support Letter, Please tick

Yes	No
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Paper Detail (For Authors only)

Paper Title	
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Payment Detail

Mode of Payment: Bank Transfer / Cheque / DD / Cash	
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Hotel Accommodation

Require Hotel	Yes	No
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Accommodation Choice, if any:

Post Conference Plant Visit, Please tick

Yes	No
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Date:

Signature: