

Awards & Achievements of JNARDDC

2023-24

Dr Anupam Agnihotri was awarded the prestigious ISAS - Dr Raja Ramanna Award 2023 and Dr U Singh, HoD (Analytical) from JNARDDC was awarded the ISAS Analytical Scientist for the year 2023.



Dr. Paparao Mondri, Scientist received the best paper award by Indian Society of Analytical Scientists-2024 held at VNIT & JNARDDC, Nagpur



Dr Priyanka Nayar, Scientist of JNARDDC was awarded the first prize in 11th International IBAAS-2023 Conference & Exhibition; International Bauxite, Alumina and Aluminium Society, Nagpur 04-06 Dec, 2023 for the paper "Preparation of 2-Propanol Aluminium Salt (AIP) as an Intermediate for 4N pure alumina without employing a catalyst"



Dr Anas N S was appreciated as one of the best presenters for his oral presentation at the "International Conference on Metallurgical Engineering" organized by IIT-BHU during 26-28th Oct, 2023.

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Mr Immanuel Kola Raju, Jr Scientist was awarded for the best oral presentation for paper titled "Towards Sustainable Copper Recycling: Techno-Economic Survey and Recommendations for a Circular Economy in India" in the MetWaste-2024 3rd International Conference on Management and Recycling of Metallurgical Wastes 11-12 Feb 2024, IIT(BHU), Varanasi

Best paper presentation awarded to Ms Prachi Pradhan, Junior Scientist for paper entitled "Membrane materials for energy production and storage" during Recent Trends in Energy & Fuel Production Technologies (RTEFPT-2024) 24-25 Feb, 2024 at Veer Surendra Sai University of Technology, Burla, Sambalpur, Odisha.



JNARDDC Completed 84 Waste Utilization & Scrap Recycling Drives (Al, Cu, Pb, Zn & Steel) including industry visit and awareness conference in 5 colleges and 22 ZP schools of 11 districts of Vidarbha region.

Swachata pakhwada Awards 2023

JNARDDC undertook special campaign for cleanliness of all labs and office premises and Park with Nagpur Nagar Parishad. Swachata Pakhwara was observed in October 2023 with a view to encourage the zeal of the above program. JNARDDC undertook the following activities under SBM

- (i) Renovation of 2 nos. of Gents & Ladies toilets of Block-1 of JNARDDC office
- (ii) Renovation of D-1 & D-2 Guest House
- (iii) 18 days long SHS campaign with activities covering mass pledge, cleanliness drive in office, roads and adjoining areas, labs, washrooms, a mega Shramdan campaign to clean local wadi Nagar Parishad Rani Laxmibai public park near National Highway NH-6.

JNARDDC secured the **1st position in the Swachata pakhwada Awards 2023** for its exemplary performance adjudged by **Ministry of Jal Shakti**.



IEBR

JNARDDC has generated the highest all time internal revenue of ₹ 21.89 crores against a target of ₹ 16 crores for 2023-24.

Technical Achievements :-

Completed Projects – 7

1.	N-49 : Demonstration cum heat treatment, leaching-recycling and liming study of JNARDDC-NALCO process (by utilizing 50-60 kg batch of 1 st cut SPL); NALCO Bhubaneshwar
2.	P-61 : TPN:59025 Instrument for Realtime measurement of anode current distribution of aluminium electrolysis cell, DST, New Delhi
3.	S-35 : Geo-technological evaluation of Bauxite and Laterite deposits of Chhattisgarh State by using Geospatial technology under Smart Mining 4.0 (With Chhattisgarh Council of Science & Technology, Government of Chhattisgarh, Raipur. S&T (Mines)
4.	S-36 : Solid-state recycling of aluminium chips (waste) for production of billets for pilot scale extrusion S&T (Mines)
5.	S-43 : Techno Economic survey of copper recycling industry in India: S&T (Mines)
6.	S-44 : Techno Economic survey of LEAD recycling industry in India: S&T (Mines)
7.	S-45 : Techno Economic survey of ZINC recycling industry in India: S&T (Mines)

Ongoing Projects – 19

Technical Testing & Consultancy work :-

- a) Third party referee sample analysis of around 30,000 coal samples provided by **CIMFR, Dhanbad and QCI, New Delhi** and others.
- b) Characterization of around 6,500 samples for trace and rare earths element analysis in soil and sediments for **GSI Jaipur and other regions**
- c) Characterization of bauxite, Lime stone, graphite, Pulp (iron ore) and rare earth elements of around 5000 samples for **OMECL, Bhubaneshwar**.
- d) Characterization of around 3,500 iron ore samples under process for **M/s Lloyd Metals and Energy Ltd of Surjagarh Iron mine, Gadchiruli, Maharashtra**.
- e) Characterization of around 4000 miscellaneous and different mineral samples for **MECL, Nagpur**.

