

Faculty Profile

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6. Qualification:

S. No	Degree (UG, PG, PhD)	Specialization	Institute
1	Ph.D	Mineral Engineering	IIT-ISM Dhanbad
2	M.Tech	Mineral Engineering	IIT-ISM Dhanbad
3	B.Sc (Engg.)	Chemical engineering	BIT Sindri

7. Area of Specialization: Coal and Mineral processing and its Beneficiation, Coal Preparation, Fluid-Particle interaction, Gravity Separation, Size Enlargement Processes, Fine particle operation, Fluidization Engineering, Water-only cyclone, Modelling and Optimization by Box-Behnken design- Response Surface Methodology (BBD-RSM), Iron ore pelletization.

8. Subjects Taught: Coal and Mineral processing and its Beneficiation, Coal Preparation, Fine Particle Operation, Fluidization Engineering.

9. Professional Experience: N/A

10. Teaching Experience: N/A

11. Research Experience:

Sl. No.	Position held	Name of Organization	From	To
1	Research Scholar	IIT-ISM Dhanbad	2013	2021

12. Publications:

International Journal: (Total Citations: 4)

Sl. No.	Title of the paper	Name of the journal in which publication has been made	Vol/No.	Publication Year	Pages
1	Evaluation of the performance of water-only cyclone for fine coal beneficiation using optimization process	Energy Sources, Part A: Recovery, Utilization, And Environmental Effects	Vol. 40/No.23	2018	2842-2852
2	Cleaning performance of high ash Indian coal fines < 3 mm using a Water-Only Cyclone.	Energy Sources, Part A: Recovery, Utilization, And Environmental Effects	Under revision	----	----

13. International Conferences / Seminar:

Sl. No.	Name of the Conference in which publication has been made
1	Abhishek Anand Hembrom and Nikkam Suresh. "Cleaning of high ash indian coal fines (-3.0 mm) using a Water-Only Cyclone". International seminar on Mineral Processing Technology, IIT-ISM Dhanbad, 10-12 October, 2018.
2	Abhishek Anand Hembrom and Nikkam Suresh. "Application of Water-only cyclone to clean high ash open-cast coal." International seminar on Mineral Processing Technology, Chennai, 1-3 February, 2017.
3	Abhishek Anand Hembrom & Prof. Nikkam Suresh. "Performance of Water-Only Cyclone to treat open cast coal mines". International seminar on Mineral Processing Technology, Pune, 5-7 January, 2016.
4	Abhishek Anand Hembrom and S. Soren. "Study the kinetics and reduction behaviour of iron ore pellets." CHEMCON, IIT Guwahati, 27-30 December, 2015.

14. Industrial training / Symposium/ Workshop/ Attended:

Sl. No.	Name of the Conference in which publication has been made
1	5 th May 2012 - 23rd May 2012 - UCIL Jadugoda, Jharkhand
2	14 th April 2012 - 2 nd May 2012 - SAIL (IISCO) Coal Washiery Plant Chasnala, Jharkhand.
3	2 nd June 2008 - 28th June 2008 - Industrial Internship at Project Development India Limited (PDIL) Sindri.
4	One day Coal Washery Plant (BCCL, CIL), Sudamdih and ACC Cement plant, Sindri, Jharkhand visited during BSc. Engg final year.