

CURRICULUM VITAE

Dr Arghya Majumder

PhD (Engineering)

M.E (Industrial Metallurgy)

B.Tech (Metallurgical Engineering)

Post Graduate Diploma in Computer Application (PGDCA)

Lead Auditor, ISO 9001: 2015



PERSONAL DATA

ADDRESS FOR COMMUNICATION

Present Address

Kazi Nazrul University
Nazrul Road, Kalla Bypass More
P.O-Kalla C.H. P.S. Asansol,
Paschim Bardhaman, Pin Code-713340
West Bengal, India
Phone No: 7893024057
E-Mail Id: director.smm@knu.ac.in

Permanent Address

116/2, Kalipark, Rajarhat- Gopalpur
Dist- KOLKATA
Pin Code 700136
West Bengal, India

EXPERIENCE:

1. Worked as Director in School of Mines and Metallurgy, Kazi Nazrul University, Asansol, West Bengal, from 12-3-2020 to till date.
2. Working as Deputy General Manager in Iron Laboratory of Quality Assurance & Technology Development department in Visakhapatnam Steel Plant, Visakhapatnam since January 1997 which takes care of process control activities starting from Raw material, Sinter Plant as well as Blast furnaces.
3. Conducting regular QMS audits of Core departments as well as Marketing branch offices and stockyards of Vizag Steel for the last 10 years.
4. Worked as Shift Engineer in M/s Walzen Strips Pvt. Ltd., Biradingi, Howrah, from Nov, 1995 to May, 1996. Part of the team in commissioning and stabilization of Cold Rolling Mill.

Area of Interest:

1. Mineral Processing
2. Beneficiations of low grade raw materials

3. Ferro Alloys
4. Low Grade Raw Materials
5. Solid State Reduction
6. Reduction Kinetics
7. Improved the mechanical properties by fuller curved method
8. Agglomeration of low grade raw materials
9. Iron making
10. Steel Making
11. Reduction by coal devolatilisation process
12. Statistical Modelling (Box-Behnken design, ANN and GRA)
13. Melting of reduced samples

PROJECTS

- Utilization of plant waste for sustainable development of iron and steel sector Co-Investigator, RUSA 2.0 , GOI

EDUCATION

October 2018	PhD in Engineering, Metallurgical & Material Engineering Department, Faculty of & Engineering Technology, Jadavpur University.
June 1998	ME in Metallurgical Engineering, Jadavpur University.
June 1995	B.Tech. in Metallurgical Engineering, Jadavpur University.

PAPER PUBLISHED

Paper Published in Journals-

Sl. No.	Title with page number	Journal Name	First/ Corresponding/ Co-author
1.	Study on reduction kinetics of iron ore sinter using coke dust	International Journal of Metallurgical & Materials Science and Engineering (Peer-Reviewed)	First and Corresponding author
2.	Optimization of Process Parameters to achieve better Mechanical Properties and Higher Productivity in Sinter Plant	MGMI Transactions (Peer-Reviewed)	First and Corresponding author

Paper Published in conferences:

Sl. No.	Title of the lecture/paper	Title of the programme	Organized by
1.	LD Slag usage at VSP sinter plant - a leap forward towards cost saving	Published in Vizag Quest 2005	Visakhapatnam Steel Plant
2.	Improvement of coke crushing index in sinter plant	Green belt project in the year 2006	Visakhapatnam Steel Plant
3.	Study on the effect of micro-fines in iron ore fines on sintering process	Technical paper presented in NMD 2008	New Delhi
4.	Effect of Alkalis on hot metal production and coke rate	Published in Vizag Quest 2008	Visakhapatnam Steel Plant
5.	Usage of SMS grade (low silica) lime stone-a Visakhapatnam Steel Plant (VSP) experience	International Conference on Lime and Dolo Calcinations technology 2012	Visakhapatnam
6.	Sintering with anthracite coal- a Visakhapatnam Steel Plant (VSP) experience	Published in Vizag Quest 2007	Visakhapatnam Steel Plant
7.	Mathematical model for computation of hot metal and slag analysis in blast furnace	Seminar on Automation & Information Technology, 2010	Ranchi

8.	Modern technologies in sinter making - a Vizag steel perspective	Technical paper presented in NMD 2012	Jamshedpur
9.	Study of slag granulation plant of blast furnace-3 (INBA granulation process) and its comparison with existing processes of BF-1 & BF-2 of Vizag Steel Plant	Technical paper presented in NMD 2013	Varanasi
10.	A study on microstructure of Vizag steel sinter	Technical paper presented in NMD 2014	Pune
11.	Relation between sulphur and silicon in blast furnace hot metal at Visakhapatnam steel plant	Technical paper presented in STIS-2017	Kanpur
12.	Scenario of copper and copper alloys: usage review on iron, steel and ferroalloy industries: an overview	National Seminar on Prospects of Copper and copper Alloy Component in iron and Steel Industry: ICDC, 8th August 2019	Kolkata
13.	Recovery of metal values from a blast furnace waste	Waste Management in Metallurgical Industries: Effective Industry Practices & Research Initiatives	CGCRI, 2018
14	Utilization of iron making plant waste for production of iron using briquetting process	Prospects and Challenges in Metallurgical & Allied Industries with Special Emphasis on Quality, Safety and Environment Prospects and Challenges in Metallurgical & Allied Industries with Special Emphasis on Quality, Safety and Environment	IIM- Kolkata Chapter, 2018
15	Study on the Effect of Pressure Variation on Mechanical Stability and Reduction Behavior of Iron Ore Nuggets Using Inferior Grade Fuel	Published in Vizag Quest 2019	Visakhapatnam Steel Plant
16	Use of Mathematical Modeling to Optimize Coke Addition in Base Mix At Vizag Steel Sinter Plant	Published in Vizag Quest 2019	Visakhapatnam Steel Plant
17	Use of Artificial Neural Network to Predict the Yield of Sinter Plant as a Function of Production Parameters	International Conference on Innovative Computing and Cutting-edge Technologies	Bangkok, Thailand

Chaired Session:

- Chaired Session 4, (Raw Material: Iron Ore Processing), *National Metallurgical Day Celebration (NMD)*, 2018, Kolkata
- Chair a session in *IEEE VLSI Device, Circuit and System (DCS)* 2020, organized by IEEE EDS MSIT, on 18th-19th July, 2020.
- Chaired Session, *Emerging Trends in Iron and Steel Industry in Pandemic Era*, organized by IIM Kolkata Chapter on 19th February 2021

Invited Lecture:

- *Online invited lecture, on Integrated Steel Plant: From an Engineers' Point of View*, Asansol Engineering College, 16th May, 2020, Asansol, West Bengal
- *Prospect and Opportunities of Metallurgy for Southern India*, Department of Metallurgy, OP JINDAL University, 14th June, 2020, Raigarh, Chhattisgarh (CG)
- *Prospect and Opportunities of Metallurgy for Eastern India*, Department of Metallurgy, OP-JINDAL University, 28th June, 2020, Raigarh, Chhattisgarh (CG)

Reviewer:

- Transactions of the Indian Institute of Metals, ISSN : 0019-493X, *Springer Nature (New York, US)*

Book Chapter Published

Sl. NO.	Title of the book	Author's name	Name of the Publisher	Publishing Year
1	"Intelligent Computing Paradigm and Cutting-edge Technologies", Favorskaya, M., Peng, S.-L., Simic, M., Alhadidi, B., Pal, S. (Eds.),	Arghya Majumder, Chanchal Biswas, Saugata Dhar, Rajib Dey, G.C.Das,	Springer	2020

COLLABORATION WORK WITH RESEARCH ORGANIZATION & INSTITUTION

During my PhD I have collaborated with various research and government organization like:

- National Metallurgical laboratory, Jamshedpur, India
- Rashtriya Ispat Nigam Limited, Vizag Steel Plant
- Tata Metaliks Ltd, Kharagpur

TRAINING & WORKSHOP

- Trained in Paulwurth, Luxembourg and Arcelor Mittal Ltd.
- Industrial visits to Tata Steel Limited, Rashtriya Ispat Nigam Limited, Rourkela Steel Plant, Tata Metaliks, JSW, TATA STEEL, Jindal Steel & Power Limited, Durgapur Steel Plat (DSP), ESSAR STEEL etc.

EXPERIENCE IN LABORATORY MANAGEMENT & OTHER ACTIVITIES

- Regular maintenance of extractive and chemical laboratory.
- Strong leadership skills and teamwork experience in various academic research environment.
- Active member of organization committee (finance, cultural and publication) in three international conferences.
- Active member of the organizational committee of University.

PROFESSIONAL AWARD AND ACHIEVEMENTS

1.	Second Prize in Technical paper competition	Management services department of Vizag steel plant	2009
2.	Awarded 2nd prize in Oral presentation of Technical papers	NMD-2008	2008
3.	Creativity Award winner in the year 2007	Visakhapatnam Steel Plant	2007
4.	Third prize in Oral presentation in National Convention of suggestion Scheme	Visakhapatnam Steel Plant	2007
5.	Creativity Award winner in the year 2006	Visakhapatnam Steel Plant	2006

PROFESSIONAL MEMBERSHIPS

- Executive Member of Indian Institute of Metals (IIM), Kolkata chapter.
- Education and Examination Subcommittee, Indian Institute of Metals (IIM)
- Life Membership of Indian Institute of Metals
- Life Membership of MGMI
- Annual Member of ASM International, USA

- Joint Secretary, Eastern Chapter, ASM International, USA
- Life Member ,Youth Hostel Association

Other Responsibilities:

- Member of Internal Quality Assurance Cell (IQAC), Kazi Nazrul University
- Chairman, Innovation Incubation & Entrepreneurship Cell, KNU
- Member, Board of Studies (Ex Officio)
- Member, Board of Research Studies (Ex Officio)
- Member, Library Committee, KNU
- Member, KNU Covid-19 Pandemic Grievance Redressal Cell
- Member, Website Committee, KNU

PROSONAL INFORMATION

FATHER'S NAME: ASIT KUMAR MAJUMDER

DATE OF BIRTH: 03.01.1974

SEX: Male

MARITAL STATUS: Married

NATIONALITY: Indian

LANGUAGE KNOWN: BENGALI, ENGLISH, HINDI, TELUGU

DATE: 12.03.2021

PLACE: Asansol

(Arghya Majumder)