

TANMOY HAZRA

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Present Address:

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Educational Background

Examinations passed	Year	Institution/University	% of marks obtained/CGPA
Doctor of Philosophy (Mining Engineering)	2014-present	Indian Institute of Technology Kharagpur	-
M. Tech. (Environmental Science & Engineering)	2012-2014	Indian Institute of Technology (ISM) Dhanbad	7.77/10.0
B. E. (Mining Engineering)	2004-2008	Bengal Engineering and Science University	68.20 %
10 + 2	2004	West Bengal Council of Higher Secondary Education	71.70%
10	2002	West Bengal Board of Secondary Education	79%

Awards and Achievements

- Achieved merit scholarship in Ramkrishna Mission Vidyabhawan, Midnapore, West Bengal.
- **Qualified** WBJEE in 2004.
- **Qualified** Graduate Aptitude Test in Engineering (GATE), 2012
- **Junior Research Fellow**, MHRD, India (July 2014- June 2016)
- **Senior Research Fellow**, MHRD, India (July 2016-Dec 2018)

Projects

B.E project

Project Title: Risk Analysis in Underground Coal Mines.

Institution: Bengal Engineering and Science University, Shibpur, Howrah, West Bengal.

Year: 2008

Thesis Supervisor: Dr. G.C. Roy

M.Tech project

Project Title: Water Quality Assessment of Rajrappa Area, Jharkhand.

Institution: Indian Institute of Technology (ISM, Dhanbad).

Year: 2014

Thesis Supervisor: Dr. B.K. Mishra

Computational Skills

- **Languages:** Basic, Fortran 77, C
- **Applications:** LATEX, Common Windows documentation and presentation Software
- **Operating Systems:** LINUX, Windows
- **Systems:** Experience in using HP, SUN, GPU clusters, Experience in maintaining of the clusters.

Conferences Attended

- Participated in Proceedings of the 38th International Symposium on the Application of Computers and Operations Research in the Mineral Industry (APCOM 2017), August, 2017.
- Participated in International Conference on Environmental Technology and Sustainable Developments, Babasaheb Vimrao Ambedkar University, February, 2014.
- Participated in National Conference on Water and it's sustainability in Mining and other Environment: Vision 2050 (WSME 2014), March 2014.

Publications

- **Journal Paper**- Real Option Valuation of an Indian Iron Ore Deposit through System Dynamics Model by Tanmoy Hazra, Biswajit Samanta, and Kaushik Dey.
- **Conference paper** - Quality Assessment and Treatment proposal of Coal Mine and Washery Discharge by Abhirup Basu and Tanmoy Hazra.
- **Conference paper**- Evaluation of Water Quality of River Ganges near Patna by determining Water Quality Index by Tanmoy Hazra, Md Hamjala Alam and Abhirup Basu.
- **Conference paper**- An efficient algorithm for open pit mine production scheduling in presence of multiple capacity constraints by Nayan Maiti, Biswajit Samanta and Tanmoy Hazra.
- **Conference paper**- A genetic algorithm based approach for simultaneous optimization of open pit mine planning parameters by Tanmoy Hazra, Biswajit Samanta, Nayan Maiti and Kaushik Dey.

Industrial Experience

Worked as Assistant Manager in Bharat Coking Coal Limited (A subsidiary of Coal India Limited, a Maharatna Company) from September 2008 to May 2014.

Extra-Curricular Activities

- Awarded prize for best actor in Bengali dramatics competition in high school, 2000.
- Member of AIMMA (All India Mine Managers Associations) since 2008.
- Awarded with memento for best performance in Dramatics arranged by COAL INDIA LIMITED.
- Worked as Placement Representative of Department of Environmental Science and Engineering, IIT(ISM) Dhanbad, 2012-2014.
- Worked as Research Scholars Representative of Department of Mining Engineering, IIT Kharagpur, 2014-2016.

Reference

Prof. Biswajit Samanta

Mine Planning Laboratory

Department of Mining Engineering

IIT Kharagpur

Kharagpur 721302

West Bengal, India

E-mail: samantab@mining.iitkgp.ernet.in

Personal Information

Father's Name	:	Lalit Mohan Hazra
Sex	:	Male
Date of Birth	:	1 st Decenber, 1986
Nationality	:	Indian
Languages Known	:	Bengali, English, Hindi

Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Tanmoy Hazra