

Brief Bio-Data

1. Name: **Dr Jai Krishna Pandey**
2. Date of Birth: 05-09-1965 [53 years]
3. Current Position and Address:
- Chief Scientist & Head,**
 Mine Fire, Ventilation and Miner's Safety Research Group
 CSIR-Central Institute of Mining and Fuel Research, Dhanbad
&
Professor, Engineering Sciences, AcSIR-CIMFR, Dhanbad
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4. Professional Qualifications:

Sl. No.	Degree	Subjects	University/Institute
1	B.Tech.	Mining Engineering	IIT (BHU), Varanasi, UP
2	M.Tech.	Mining Engineering	IIT (BHU), Varanasi, UP
3	Ph.D.	Mining Engineering	IIT (ISM), Dhanbad*

*Title of Ph.D. Thesis: "A Study on Chromium Contamination in Opencast Chromite Mine Environment and Development of a Method of Control" under Prof D C Panigrahi, Director, IIT(ISM), Dhanbad.

5. Academic/Research Experience/Employment/contribution/Recognition

5.1. Position Held & Professional experience

S.N.	Duration	Name of Organisation	Position Held
1	from 30-11-1989 - till date (>27 years)	CSIR-CIMFR, Dhanbad (Ministry of Science and Technology, Govt. of India)	Scientist at CSIR-CIMFR, Dhanbad, holding different responsibilities presently holding the post of Chief Scientist and Heading one of its prestigious department
2	July 2012 – till date (>6 years)	AcSIR, New Delhi (Institution of national importance by an act of Parliament)	Professor : Engineering Sciences Subject Co-ordinator for M.Tech, Mine Safety Engineering (joined AcSIR as Professor, since its inception)

5.2 Area of Specialization: Mine Environment and Safety

5.3 Research Project: successfully completed 9 nos. of major R&D project sponsored by various Government agencies viz, Ministry of Coal, Planning Commission, Ministry of Environment and Forest etc, costing about 20 crores.

5.4 Industry Sponsored Projects: Successfully completed about 200 industry sponsored projects of problem solving nature. (mainly Engineering, testing & certification and Research oriented)

5.5 Contributions ECF generation: External Cash Flow generation of Institute to the tune of about Rs 1 Crore/year in the last five year.

5.6 Visits Abroad on official deputation– 7 Nos (Germany, China, South Africa & Poland)

5.7 Representing Institute at Important National Forum

- Bureau of Indian Standard, New Delhi,
- Directorate General of Mines Safety, Dhanbad, Ministry of Labour, Govt of India.
- National Dust Prevention Committee, Coal India Limited, Ministry of Coal, Govt of India

5.8 Life Membership of Professional Bodies: Life member of 6 professional bodies including Fellow of Institution of Engineers

5.9. Honors/Awards received: more than 20 honours /awards including following

- Member, **Expert Appraisal Committee of MOEF &CC, Govt of India** for Environmental clearance of Thermal and Coal projects.
- **MEAI-Smt. Kiran Devi Singhal Award 2015-16** by Mining Engineers Association of India for outstanding contribution in the field of Development and Conservation of Mineral and Environment in and around Metalliferous mines
- **MGMI-D.N.Thankur Award 2015-16** by Mining, Geological & Metallurgical Institute of India for outstanding contribution in Earth Sciences
- **CSIR Golden Jubilee CMRI Whitaker Award 2000** for outstanding contribution in Mining Engineering.
- **CSIR-DAAD Fellowship 2013** for conducting research work at T.U. Bergakademie Freiberg, Germany in the area of improving work place environment for deeper mines.

5.10 Number of Research Publications: A total **106** research papers in various Journals & Seminar Symposia of repute (Int./National Journals :38, Int./National Conferences: 68)

5.11 Number of Books authored/edited: Edited two books

1. Advances in Mine Production and safety
2. Mine Ventilation, Safety and Environment

5.12 Number of Patents granted/applied: Three patents and one copy right

5.13 Dissertations supervised:

- (a) Ph.D. 4 Nos (2 Awarded & 2 on going) from IIT(ISM), Dhanbad
- (b) Post Graduation: **Ten Nos** [one M.Tech in Mine Safety Engineering from AcSIR-CIMFR, Dhanbad and **Nine** PG Student of IIT(ISM), Dhanbad]
- (c) More than 50 students of B. Tech Mining Engg. for their Project Work

5.14 Others

- Organised two national seminars and a number of Executive development training programs.
- Chaired technical sessions in a number of national and International seminars.
- External Peer Reviewer for Deptt of Mining Engg., IIT(BHU), Varanasi
- Reviewer of two prestigious international journals
- External examiners for conducting examination for B.Tech and M.Tech at IITs & BIT
- Delivered a number of invited lectures/talks.