B. K. Mishra

Institute of Minerals and Materials Technology (CSIR)

Personal Profile:

B.Sc. (Engg.) (1981)	NIT Rourkela, Orissa, India
M.S. (1987)	Wayne State University, U.S.A.
Ph.D. (1991)	University of Utah, U.S.A.

Research Interest:

Process simulation, design & development
Modeling by Discrete Element Method (DEM)
Particulate Materials: Colloids and powder

Experience:

- Director: IMMT Bhubaneswar since 5th December, 2005 (on deputation)
- Professor: Indian Institute of Technology (IIT), Kanpur from July 2001
- Visiting Professor: University of Utah, USA from Dec 2003 - July 2004
- Visiting Professor: Aston University, UK from July 1999 to July 2000
- Teaching at IIT Kanpur from July 1993

Publications:

SCI Journal	Published in International Conference Proceedings	Published in National Conference Proceedings	Book Chapters	Patent
85	21	24	9	6

Thesis Supervision:

M. Tech 16 completed; Ph. D. 3 completed & 3 in progress

Commercial Software Developed:

Millsoft© for design and routine operation of tumbling mills.
Symcyclone© for designing industrial hydrocyclone

Honors and Awards:

- Fellow of Indian National Academy of Engineering
- National Mineral Award
- Indian Institute of Mineral Engineers' Mineral Beneficiation Award
- Member, editorial board of *International Journal of Mineral Processing*
- Member, editorial board of *The open mineral processing journal*
- Fulbright Fellow, May-July 2002
- Best Paper Award "Simulation Study of Spiral Concentrator" by A. Tripathy and B.K. Mishra at MPT-2009 IIME under 'Modelling' Category.

R&D Leadership:

- Introduced One-year PG Diploma program for industry at IMMT
- Created CSIR- Innovation Centre for Plasma Processing
- 2008-IMMT recorded its best performance ever by all parameters
- IMMT received 2nd prize in Eastern zone from Rajbhasha Committee

Membership:

- Indian Institute of Minerals Engineers (Life Member)
- Society of Mining Engineers, USA (Member)

Membership in Important Committees:

- Member empowered committee on iron steel, Ministry of Steel, Govt. of India.
- Member Indo-EU evaluation committee for computational materials science.
- Member, PAC on Materials, Mining, and Minerals of DST, Govt. of India, New Delhi.
- Member, Advisory Board, Indian Bureau of Mines.
- Member, Board of Governors, IISER Kolkata.