

# Dr. Anup Kumar Tripathi

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INDIA

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## **EDUCATION**

### *Doctoral Degree*

**Doctor of Philosophy (Ph.D.) in Mining Engineering** (2003 – 2007)

**University:** University of Kentucky, Lexington, USA

### *Master Degree*

**Master of Technology (M.Tech.) in Mining Engineering** (2000 – 2002)

**University:** Indian Institute of Technology, Kharagpur, India (M.Tech. Project from Germany)

### *Bachelor Degree*

**Bachelor of Technology (B.Tech.) in Mining Engineering** (1996 – 2000)

**University:** Indian School of Mines, Dhanbad, India

## **RESEARCH EXPERIENCE**

### *Post-Doctoral Research (INDIA)*

**Senior Researcher of Mining Engineering** (December 2008 – June 2011)

**University:** Indian Institute of Technology (IIT), Kharagpur, India

### *Post-Doctoral Research (USA)*

**Post-Doctoral Researcher of Mining Engineering** (January 2008 – August 2008)

**University:** Southern Illinois University, Carbondale, IL, USA

## **TEACHING EXPERIENCE**

**Assistant Professor of Mining Engineering** (November 2012 – Present)

**University:** National Institute of Technology (N.I.T.) Karnataka, Surathkal, India

**Lecturer of Mining Engineering** (July 2011 – October 2012)

**University:** National Institute of Technology (N.I.T.) Karnataka, Surathkal, India

## **RESEARCH INTERESTS**

- Mine Electrical Systems
- Mining Systems Optimization
- Surface Mining

## **SELECTED JOURNAL PUBLICATIONS**

1. Pal, S. K., Bijurkar, K. A., Tripathi, A. K., 2010, "Effects of Granulometric Variations on Permeability of Sand", Mining, Geological and Metallurgical Institute of India (M.G.M.I.) Transactions, Vol. 106, April 2009 – March 2010, pp. 67 – 74.
2. Pal, S. K., Prusty, B. K., Tripathi, A. K., 2011, "Air Permeability Studies of Surface Soils over In Situ Coal-Seam Fire Areas in Jharia Coalfield", Mining, Geological and Metallurgical Institute of India (M.G.M.I.) Transactions, Vol. 107, April 2010 – March 2011, pp. 17 – 26.
3. Pal, S. K., Ghosh, D., Tripathi, A. K., 2011, "An Experimental Study on Variation of Power Consumption and Cutting Resistance of Coal Using Shearer Drum Model", Mining, Geological and Metallurgical Institute of India (M.G.M.I.) Transactions, Vol. 107, April 2010 – March 2011, pp. 34 – 44.
4. Pal, S. K., Keshri, A. K., Tripathi, A. K., 2011, "A Study on Correlation between P-Wave Velocity, Number of Joints and Schmidt Hammer Rebound Number", Mining, Geological and Metallurgical Institute of India (M.G.M.I.) Transactions, Vol. 107, April 2010 – March 2011, pp. 27 – 33.
5. Tripathi, A. K., Bhattacharya, J., Pal, S. K., 2011, "Reclamation of Disturbed Surface Mine Lands", Mining, Geological and Metallurgical Institute of India (M.G.M.I.) Transactions, Vol. 107, April 2010 – March 2011, pp. 85 – 94.
6. Tripathi, A. K., Pal, S. K., Bhattacharya, J., 2011, "Study of Soil Parameters for Successful Reclamation of Disturbed Surface Mine Lands", MineTech, Vol. 32, No. 2, April – June, 3 – 12.
7. Vanapalli, N. R., Ghosh, S. K., Pal, S. K., Tripathi, A. K., 2012, "Vibration and Acoustic Emission Studies of Rock Samples under Uniaxial Compression and Tension", Mining, Geological and Metallurgical Institute of India (M.G.M.I.) Transactions, Vol. 108, April 2011 – March 2012, pp. 61 – 70.
8. Vanapalli, N. R., Ghosh, S. K., Pal, S. K., Tripathi, A. K., 2013, "Studies of Vibrations in the Machine during Drilling", Mining, Geological and Metallurgical Institute of India (M.G.M.I.) Transactions, Vol. 109, April 2012 – March 2013, pp. 25 – 32.
9. Pal, S. K., Kedia, R., Tripathi, A. K., 2014, "A Study on Loose Material Filled PVC Props as an Alternative to Conventional Wooden Supports", Mining, Geological and Metallurgical Institute of India (M.G.M.I.) Transactions, Vol. 110, April 2013 – March 2014, pp. 13 – 22.
10. Pal, S. K., Kumar, P., Tripathi, A. K., 2016, "Improving the Productivity of Bord and Pillar Panel by S.D.L. in Indian Coal Mines", Mining, Geological and Metallurgical Institute of India (M.G.M.I.) Transactions, Vol. 112, April 2015 – March 2016, pp. 1 – 13.
11. Pal, S. K., Desai, K., Tripathi, A. K., 2017, "A Study on Performance and Utilization of Surface Miners in Indian Opencast Mines", International Journal of Earth Sciences and Engineering, Vol. 10, No. 5, October 2017, pp. 1002 – 1006.
12. Pal, S. K., Tripathi, A. K., Panda, S., Palaniappan, S. K., 2018, "Pressure Signature Analysis in Gravity Blind Backfilling Method", Mining, Geological and Metallurgical Institute of India (M.G.M.I.) Transactions, Vol. 114, No. 1 – 12, April 2017 – March 2018, pp. 40 – 50.