

Dr. Akhil Avchar

Address: Department of Mining Engineering, NITK, Surathkal-575025

Phone: 8208193139 Email: akhilav4nitk@gmail.com

Education:

Doctor of Philosophy (Ph.D.) in Mining Engineering (2015-2019)

University: IIT (ISM) Dhanbad, India.

Master of Technology (M.Tech.) in Mining Engineering (2007-2009)

University: Indian Institute of Technology, Kharagpur, India.

Bachelor of Engineering (Mining Engineering) (2003-2007)

University: MPUAT, Udaipur, Rajasthan, India

Industrial Experience:

Deputy Manager (Mines) ACC Ltd. 3 years

Deputy Manger (Mine planning) TATA Power Ltd. 6 Months

Teaching Experience:

Assistant Professor (Mining) in NIT Rourkela 6 Month

Assistant Professor (Mining) in CTAE, MPUAT, Udaipur, Rajasthan 3 Years 9 Months

Assistant Professor (Mining) in Goa College of Engineering, Goa 4 Years 7 Months

Assistant Professor (Mining) in GEC Bhuj, Gujarat 6 Months

Research/Teaching Interest:

Rock Excavation Engineering, Rock Mechanics, Mining Methods,

Mine Legislation and Safety, Mining Machinery, Control Blasting, Slope Stability.

Publications:

Avchar, Akhil, and Bhanwar S. Choudhary. 2021. "Ripper Production Prediction for Laterite Excavation in Iron Ore Mines." *Journal of Mining Science* 57(1): 66–75. doi.org/10.1134/S1062739121010087 (Web of Science Indexed Q2)

Verma, Rajeev, Ashok Jaiswal, and **Akhil Avchar**. 2019. "A Numerical Method Approach for Analyzing the Effects of Joint Orientation on Stability of Open-Stope in Metalliferous Mines." *Annales de Chimie - Science des Matériaux* 43(2): 129–34. doi.org/10.18280/acsm.430211 (Web of Science Indexed Q4)

Avchar, Akhil, B. S. Choudhary, Gnananandh Budi, and Ulhas G. Sawaiker. 2017. "Applicability of Size-Strength Rippability Classification System for Laterite Excavation in Iron Ore Mines of Goa." *MMC_C* 78(3): 378–91. doi.org/10.18280/mmc_c.780309 (Scopus Q4)

Avchar, Akhil, Bhanwar Choudhary, Gananand Budi, and Ulhas Sawaiker. 2018. "Effect of Rock Properties on Rippability of Laterite in Iron Ore Mines of Goa." *Mathematical Modelling of Engineering Problems* 5(2): 108–15. doi.org/10.18280/mmep.050208 (Scopus Q2)

Pal Samir Kumar, **Avchar Akhil** and Tripathi Anup Kumar 2023 "Comparison of model study with field implementation of gravity blind backfilling method to control subsidence induced disaster in abandoned underground coal mines" *Disaster Advances*; Vol. 16(5); 10-18; doi: <https://doi.org/10.25303/1605da010018> (Scopus Q4)