Dr. MOHAMMED SAZID
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Education

Degree	*Field*	*Institution*	*Year*
PhD	Mining Engineering	Indian Institute of Technology Bombay, India	2014
BE	Mining Engineering	MBM Engineering College, JNVU, India	2006

Academic Experience

From	*To*	*Institution*	*Rank*	*Title (Chair, Coordinator, etc.)*	*Full or Part Time*
2015	2020	King AbdulAziz university	Assist Prof	Assist Prof	Full Time
2020	current	King AbdulAziz university	Associate Prof	Associate Prof	Full Time

Non Academic Industrial Experience *(including Consultations)*

From	*To*	*Company/Entity*	*Title*	*Position Description (Brief)*	*Full or Part Time*
2006	2008	Central Institute of Mining and Fuel Research, Nagpur, India	Project Fellow	Research Project	Part Time
2012	2015	National Geotechnical Facility, DST, Dehradun, India	Scientist	Research & Development	Full Time

Funded Research Projects and Patents from the Past Five Years
Certifications and Professional Registrations

Investigation of rockfall risk assessment at Al-Hada road, DSR funded project (1438)

Current Membership in Professional Societies and Organizations

Honours and Awards

1. Central Council of Scientific & Industrial Research (CSIR, India) Junior Research Fellowship (2009 to 2011).
2. 3rd Prize of Central Council of Scientific & Industrial Research 7th TLEP program (2010)
3. Central Council of Scientific & Industrial Research (CSIR, India) Senior Research Fellowship (2011 to 2012).

Institutional and Professional Services *(administration, committees, units, etc.)*

1. Academic advisor
2. Academic affairs committee members
3. Student affairs committee members
4. Post Graduate committee members
5. High computational (Aziz) members

Principal Publications/Presentations from the Past Five Years

1. T Ansari, A Kainthola, KH Singh, TN Singh, **M Sazid.** 2021. Geotechnical and micro-structural characteristics of phyllite derived soil; implications for slope stability, Lesser Himalaya, Uttarakhand, India. Catena. 196, 104906. https://doi.org/10.1016/j.catena.2020.104906
2. AY Al-Bakri, **M Sazid**. 2021. Application of Artificial Neural Network (ANN) for Prediction and Optimization of Blast-Induced Impacts. Mining 1, 315–334. https://doi.org/10.3390/mining1030020
3. **Sazid M.**, 2019. Analysis of rockfall hazards along NH-15: a case study of Al-Hada road. Int. J. Geoengineering. https://doi.org/10.1186/s40703-019-0097-3.
4. **Sazid M.** and Ahmed H., 2019. Stability Analysis of Shallow Depth Tunnel in Weak Rock Mass: 3D Numerical Modeling Approach. Journal of City and Development. 1 (1), 18-22. DOI: 10.12691/jcd-1-1-3.
5. **Sazid M.**, 2018. Correlation of ultrasound velocity with physico-mechanical properties of Jodhpur sandstone. Material Testing. 60(11). 1093-1096. https://doi.org/10.3139/120.111258
6. B Mahanta, PG Ranjith, TN Singh, V Vishal, WH Duan, **M Sazid.** 2018. Digital rock physics and application of high-resolution micro-CT techniques for geomaterials. International Conference on Geomechanics, Geo-energy and Geo-resources (IC3G). China. pg. 299-307.

7. **Sazid M.**, 2017. Effect of Underground Blasting on Surface Slope Stability: A Numerical Approach. American Journal of Mining and Metallurgy 4 (1), 32-36.
8. **Sazid M.**, MR Saharan, TN Singh. 2016. Enhancement of the Explosive Energy Utilization with the Application of New Stemming Contrivance. International Journal of Innovative Science and Modern Engineering 4 (2), 5. Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd.
9. **Sazid M.** and Singh T.N. 2015. Numerical assessment of optimum spacing burden ratio for efficient utilization of explosive energy. International Journal of Mining Science & Technology. DOI
10. **Sazid M.**, Singh T.N. and Khandelwal M. 2014. Numerical assessment of slope stability under blast loading. National Seminar on Problems of Mining Industry and Technological advancement. March 07-08 2014. MPUAT, Udaipur, Rajasthan, India.
11. **Sazid M.** and Singh T.N. Simulation of blast by dynamic numerical constitute model. National Seminar on Explosive & Blasting Techniques for Mining, Quarrying & Infrastructure Industry. September 27-28 2013. NIT Surathkal, Karnataka, India
12. Tewari V.C., Venkateswarlu B., Kumar G.K., Tandon R.S. and **Sazid M.** Integrated geotechnical studies in the Himalaya for sustainable development (extended abstract). India Geophysics Union, June 11-12 2013, Wadia Institute of Himalayan Geology, Dehradun, India.
13. **Sazid M.** Generation of ground vibration during rock blasting. India Geophysics Union, June 11-12 2013, Wadia Institute of Himalayan Geology, Dehradun, India (Poster presentation).
14. **Sazid M.** and Singh T.N. Mechanism of air deck technique in rock blasting- a brief review. INDOROCK-13, May 29-31, 2013. JUIT Waknaghat, Himachal Pradesh, India.
15. Singh P.K., Wasnik A.B., Kainthola A., **Sazid M.** and Singh T.N. 2013. The stability of road cut cliff along SH-121: a case study. Natural Hazards, DOI 10:1007/s11069-013-0627-9.
16. Kainthola A, Singh P.K., Washnik A.B., **Sazid M.** and Singh T.N. 2012. Finite Element Analysis of Road Cut Slopes using Hoek & Brown Failure Criterion, International Journal of Earth Sciences and Engineering, ISSN 0974-5904, V 5(5), pp 1100-1109.
17. **Sazid M.**, Washnik A.B., Singh P.K., Kainthola A. and Singh T.N. 2012. A Numerical Simulation of Influence of Rock Class on Blast Performance. Int. J. Earth Sci. Eng. ISSN 0974-5904. V 5(5), pp 1189-1195.
18. **Sazid, M.** and Singh, T.N. 2013. Two-Dimensional Dynamic Finite element simulation of Rock Blasting. Arabian Journal of Geosciences, Vol 6(10), 3703-3708.
19. **Sazid, M.** Singh, T. N. and Saharan, M. R. Risk Analysis of Mine Dump Slope Stability- A Case Study. *Mining Engineers Journal.* Vol-12(7). pp.11-15.

Recent Professional Development Activities *(Workshops, training, etc.)*

1. Organised the two days training programme on "Importance of physico-mechanical properties of rock mass and measurement in laboratory" at Training Program of GSI Engineering Trainee, 22 and 23 Nov 2013, Dehradun, India.
2. Lecture delivered on "Mass Production of Coal and Rock Reinforcement" at Training Program of HRD-Western Coal Limited, 15 July 2009, Nagpur, India.
3. Associated with various research and development project at Central Institute of Mining & Fuel Research (CSIR), India from 2006 to 2012.
4. Three days of Training program of Basics of Abaqus/CAE, D'SIMULIA, Pune, India, 2009.
5. Three days Executive Training on Environment and Blasting By Dr. S. Bhandari and Mr. A. Richard, India, Feb, 2010.
6. Five days Training Program of National Institute of Intellectual Property Management, Nagpur, India, 4-5 March, 2010.
7. Twenty Two days Development Program of 7th TLEP HRDG-CSIR, 1-22 June, 2010, IICT, Hyderabad, India.
8. Three day Executive Training on Managing Environmental Impacts of Rock Blasting by Dr. S. Bhandari, India, Sep 2011.