

Resume

Rishi Sharma

PERSONAL DATA

DATE OF BIRTH: 16th February 1992

ADDRESS: House no. 51, Vill- Morbar, Dist- Una,
Himachal Pradesh, 174315

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CAREER OBJECTIVE

As I work towards a sustainable professional progression with outstanding interpersonal relationships with superiors, peers, and juniors, the institution will gain a significant asset in me. I'm excited to use my explanatory knowledge and academic finesse to foster excellent learning, nurture the minds of aspiring researchers, and mentor them in both research methodology and research ethics. I firmly believe in taking an unconventional approach to research by fusing ideas from other disciplines, and I would like to encourage this in future generations.

EDUCATION

- JUNE 2025 Ph.D. in Mining Engineering
National Institute of Technology, Rourkela
Supervisor: Prof. D. S. Nimaje | CGPA: 9.12/10
- MAY 2015 M. Tech, B. Tech (Integrated Dual Degree) in Mining Engineering
IIT BHU, Varanasi CGPA: 6.82/10
- MAY 2009 Senior School Certificate Examination
CBSE: **D.A.V Centenary Public School**, Una, Himachal Pradesh
Percentage: 73%
- MAY 2007 Secondary School Examination,
CBSE: **Shivalik Model Sr. Sec School**, Naya Nangal, Punjab
Percentage: 79%

SKILLS AND INTERESTS

Research Interest: Dust generation potential of rocks, Acid mine drainage, Iron ore fines agglomeration, Subsidence in mines, Underground mining methods

Operating Systems: Windows
Softwares: Expert high score, Origin, MS word
Languages: English, Hindi, Punjabi

WORK EXPERIENCE

JUNE 2016 - Assistant Professor,
MAY 2017 Department of Mining Engineering,
NIT Jalandhar, Punjab.

JUNE 2015 - Assistant Professor,
MAY 2016 Department of Mining Engineering,
VNS, Bhopal, M.P

PERSONAL COMPETENCIES

Excellent interpersonal and communication skills

Exceptional verbal and written communication abilities, as well as the capacity to work cooperatively with peers, peers from other institutions, faculty, and staff.

Ability to create and develop curricula.

Strong program management and planning abilities.

Outstanding potential for mentoring undergraduate students.

PUBLICATIONS

- 2025 Sharma, R. and Nimaje, D. S. Application of effective drying methods and storage characteristics of Iron ore briquettes. *Mineral Processing and Extractive Metallurgy*. DOI:10.1177/25726641251346557
- 2025 Sharma, R. and Nimaje, D. S. Study of drying kinetics and moisture diffusivity in iron ore briquettes after using different drying techniques. *Journal of Mining and Metallurgy, Section B: Metallurgy*. DOI:10.2298/JMMB240910010S
- 2025 Sharma, R. and Nimaje, D. S. Impact of infrared drying on strength and storage characteristics of iron ore briquettes. *International Journal of Mining and Mineral Engineering*. DOI: 10.1504/IJMME.2025.10071673
- 2021 Sharma, R. and Nimaje, D. S. Effect of open-air drying and hot air oven drying on the inter-particle bonding in iron ore agglomerates. *Drying Technology*, 39(3):348-357. DOI: 10.1080/07373937.2020.1863423

- 2021 Sharma, R. and Nimaje, D. S. The application of microwave and infrared drying in agglomeration plants of iron ore briquette. In *Asian Conference on Indoor Environmental Quality* (pp. 105-114). Singapore: Springer Nature Singapore. ISBN 978-981-99-5508-4 DOI: 10.1007/978-981-99-5509-1
- 2019 Sharma, R. and Nimaje, D. S. Effect of fiber bonding mechanism of bentonite in iron ore briquettes. *Proceedings of 10th Asia Pacific Drying Conference*, Vadodara, Gujarat, Article-1.

INTERESTS AND ACTIVITIES

Cricket, Badminton, Travelling, Volunteering
