

International Journals

1. **Alam, M.S.,** Kumar, D. & Vishwakarma, G.K. A review on advances in persistent scatterer interferometry and proposing a novel method for phase optimization of distributed scatterers pixels. J Eng Math 145, 20 (2024). <https://doi.org/10.1007/s10665-024-10354-2>
2. **Alam, M. S.,** Kumar, D., Chatterjee, R.S., et al “Improving the Capability of Integrated DInSAR and PSI approach for Better Detection, Monitoring, and Analysis of Land Surface Deformation in Underground Mining Environment. Geocarto International, (2022), Volume 37, pp: 3607-3641.
3. **Alam, M. S.,** Kumar, D., Chatterjee, R.S., et al. J Indian Soc Remote Sens (2018) 46: 1569. Assessment of land surface subsidence due to underground metal mining using integrated spaceborne repeat-pass differential interferometric synthetic aperture radar (DInSAR) technique and ground based observations. <https://doi.org/10.1007/s12524-018-0810-2>.
4. **Alam, M. S.,** Kumar, D., Sharma, V., Chaudhary, S K., (2018). Land surface deformation parameter estimation using persistent scatterer interferometry approach in an underground metal mining environment. The Imaging Science Journal, 66(5), 289-302, DOI: 10.1080/13682199.2018.1450701.
5. **Alam, M. S. (2013).** Statistical Analysis Of Various Sub-Systems of Panel Production System In Underground Coal Mine. International Journal of Research in Engineering and Technology, Dec-2013 Volume: 02, Issue: 12, pp. 1-15
6. Rai, P., **Alam, M. S.,** and Ratan S. (2007). System analysis approach for critical appraisal of a face production system in an underground mine. Coal International 255 (02), 18-22

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1. **Alam, M S.,** Kumar, D., and Upreti, V. (2018). Generation and validation of cartosat-1 DEM for northern aravali range of hillocks, Rajasthan, India. Journal of Mines, Metals and Fuels, 66(1), 48-54.
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3. **Alam, M S** and Rai, P. (2016). An Innovative Technique For Improved Production From Depillaring Panel in An Underground Coal Mine. Journal of Mines, Metals and Fuel 64 (1&2), 3-13.
4. Rai, P., Singh, A.K., and **Alam, M. S.** (2007). A case study on capacity assessment of some crucial productions sub-systems in a deep coal mine. Minetech 28 (1), 11-18.

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1. **Alam, M S.** (2016). Method selection on varied geo-mining conditions for underground metalliferous mine – special reference to narwapahar uranium mine. National seminar on survival of nonferrous industries in present global competition, HCL, Khetri Nagar, Rajasthan.
2. **Alam, M S., Sharma, V., and Das, S.** (2017). DInSAR-An Innovative Remote Sensing Technic for Mine Subsidence Studies. National seminar on Advanced Technology & Innovations in Mining Industry, HCL, Khetri Nagar, Rajasthan.
3. **Alam, M. S.,** Kumar, D., and Chaudhary, S K., (2018). Mapping mining subsidence from space-Khetri copper belt (KCB), Rajasthan, India. National seminar on Promising and cost competitive technologies in mining and mineral beneficiation industries, HCL, Khetri Nagar, Rajasthan.
4. **Alam, M. S.** and Kumar, D (2021). “Improving the Capability of Space-borne SAR Interferometry (InSAR) Techniques for Better Detection, Monitoring, and Analysis of Slope Instability in Surface Mining Environment” in 3rd international conference on opencast mining technology & sustainability (ICOMS-2020) in association if IIT(BHU) on 22nd January 2021, at NCL Singrauli, (on virtual mode).
5. **Alam, M. S.** and Kumar, D, Souvik, Manish, Ujjawal, Sagar, Niraj (2021). Development of a Methodology for Detection, Monitoring, and Analysis of Slope Instabilities in Surface Coal Mining Environment using Spaceborne SAR Interferometry (InSAR) Techniques in 4th international conference on opencast mining technology & sustainability (ICOMS-2021) in association if IIT(BHU) on 14th December, 2021, at NCL Singrauli, (on virtual mode).