

List of Publications

- 1 Mishra S. and Majumder A.K. 2024. “Challenges and Opportunities in Vibrometry-Based Online Condition Monitoring of Mineral Processing Equipment”, *Mining Metallurgy & Exploration*, 41, pp. 3475-3489. <http://dx.doi.org/10.1007/s42461-024-01139-3>
- 2 Mishra S., and Majumder A.K. 2022. “Online techniques for performance and condition monitoring of hydrocyclone: Present status and the future”, *Mineral Processing & Extractive Metallurgy Review*, 44(4), pp. 281-296, <https://doi.org/10.1080/08827508.2022.2047042>
- 3 Mishra S., Tyeb M.H., Mandal B.B., and Majumder A.K. 2022. “Application potential of vibration sensors for online process monitoring of hydrocyclones”, *Mineral Processing & Extractive Metallurgy Review*, <https://doi.org/10.1080/08827508.2022.2115488>
- 4 Mishra S., Tyeb M.H., Mandal B.B., and Majumder A.K. 2022. “Development of a vibration sensor-based tool for online detection of roping in small-diameter hydrocyclones”, *Mineral Processing & Extractive Metallurgy Review*, <https://doi.org/10.1080/08827508.2022.2155959>
- 5 Mishra S., Tyeb M.H., and Majumder A.K. 2023. “Development of a vibration sensor-based online monitoring system for detecting roping in hydrocyclones”, proceedings of XV International Mineral Processing and Recycling Conference, Belgrade, Serbia.
- 6 Kumar P., Tyeb M.H., Mishra S., Chakravarty S., and Majumder A.K. 2024. “Limitations Associated with Proximate Analysis-Based Gross Calorific Value Modeling for Coals.” *Mineral Processing & Extractive Metallurgy Review*, <https://doi.org/10.1080/08827508.2024.2334962>
- 7 Tyeb M.H., Mishra S., Singh A., Majumder A.K., 2024. "Prediction of operating state of hydrocyclones using vibrometry and 1D convolutional neural networks". *Advanced Powder Technology*, 35 (2), doi.org/10.1016/j.appt.2024.104337
- 8 Tyeb M.H., Mishra S., and Majumder A.K. 2023. “Asymptotic water split behaviour of hydrocyclones; a unique design characterization methodology”, *Mineral Processing & Extractive Metallurgy Review*. <https://doi.org/10.1080/08827508.2023.2243006>
- 9 Pathak S.S., Mishra S., Tyeb M.H., and Majumder A.K. 2022 “Spigot design modification to alleviate roping in hydrocyclones”, *Mining, Metallurgy & Exploration*, 39, pp. 761-775, doi.org/10.1007/s42461-021-00503-x
- 10 Tyeb M.H., Mishra S., and Majumder A.K. 2023. “LSTM and CNN combination-based modelling approach for partition curve prediction in hydrocyclones”, proceedings of XV International Mineral Processing and Recycling Conference, Belgrade, Serbia.