List of Publications:
a) Refereed Journals (Published/Accepted)

1. Satapathy, J.S., Singh, S and **Sahoo, P. R** (2025) Mineralogical and Geochemical Characteristics of Emeralds from the Bahutiya and Gurabanda Deposits of Jharkhand, India, and Comparison with Other World Emerald Occurrences. Accepted for publication in ***Acta Geologica Sinica***.
2. Mahanta, C.R., **Sahoo, P.R.,** Mohanta, M.K., Rath, R.K., Dey, S., Tripathy, S.K., Venkatesh, A.S. (2024) Mineralogical Characteristics of Hematitic Iron Ore: A Geometallurgical Study on Ore from Eastern India. ***Minerals 13 (9), 1194.***

3. Arasada, R.C., Kumar, S., Rao, G.S., Biswas, A., **Sahoo, P.R.,** Singh S. (2024) A fuzzy C-means clustering approach for petrophysical characterization of lithounits in the North Singhbhum Mobile Belt, Eastern India. ***Acta Geophysica, 1-17.***

4. Sahoo, J., **Sahoo, P. R.,** Khan, I. and Venkatesh, A.S. (2023) Facies variations of felsic volcanic rocks around Mundiyawas-Khera copper deposit, Alwar Basin, North Delhi Fold Belt, western India. ***Journal of the Geological Society of India, v. 99, pp. 259–267.***

5. Prasad, J., Venkatesh, A.S., **Sahoo, P.R.,** (2022) A submarine hydrothermal origin of banded iron formations from Archean Kiriburu-Meghahatuburu iron ore deposit, Singhbhum Craton, eastern India. **Ore Geology Reviews,** v. 150, 105125, ***https://doi.org/10.1016/j.oregeorev.2022.105125.***

6. Sharma, J.P., **Sahoo, P.R.** and Babu, E.V.S.S.K., (2022) Evidence of ore-bearing fluid interaction with the Proterozoic metasediments for the genesis of scapolite in parts of the North Delhi Fold belt, western India. https://doi.org/10.1017/S0016756822000681

7. Sahoo, J., **Sahoo, P. R.,** Khan, I. and Venkatesh, A.S. (2022) Insights into the Metallogenesis of the Felsic Volcanic Hosted Mundiyawas-Khera Cu Deposit, Alwar Basin, Western India. ***Minerals***, 12, 370, pp. 1-24, ***https://doi.org/10.3390/min12030370***

8. Dwivedy, S. and **Sahoo, P. R.** (2021) Geology and trace element geochemistry of the Albitite hosted iron ore mineralization around Khetri copper deposit, India: implications for an IOA type deposit. ***Ore Geology Reviews, v. 138,*** ***https://doi.org/10.1016/j.oregeorev.2021.10434.3***

9. Kanouo, N. S. Kouske, A. P. Ngueutchoua, G., Venkatesh, A.S., **Sahoo, P. R.,** and Basua, E. A. A. (2021). Eoarchean to Neoproterozoic Detrital Zircons from the South of Meiganga Gold-Bearing Sediments (Adamawa, Cameroon): Their Closeness with Rocks of the Pan African Cameroon Mobile Belt and Congo Craton. ***Minerals***, 11, 77. ***https://dx.doi.org/10.3390/min11010077.***

10. Majumdar, S., Singh, S., **Sahoo, P. R.,** (2020) Characterization of organic matter and its implications for pyrite hosted refractory gold mineralization along the South Purulia Shear Zone, eastern India. ***Ore Geology Reviews,*** **v. 124,** ***https://doi.org/10.1016/j.oregeorev.2020.103584***.

11. Rao, G.S., Rama Chandrudu, A., **Sahoo, P.R.,** (2020) Integrated geological and geophysical studies for delineation of laterite covered chromiferous ultramafic bodies around Bhuban, south western part of Sukinda Massif complex, Odisha. ***Ore Geology Reviews***, **V. 119, April 2020, *https://doi.org/10.1016/j.oregeorev.2020.103402.***

12. Sharma, J.P., **Sahoo**, **P.R.,** Mahanta, H., Venkatesh, A.S., Babu, E.V.S.S.K., John, M.M., (2020) Constraints on the genesis of the Proterozoic bornite dominated copper deposit from Nim ka Thana, western India: An IOCG perspective. ***Ore Geology Reviews***, **V 118, March 2020, *https://doi.org/10.1016/j.oregeorev.2020.103338***

13. Sengar, V.K., Venkatesh, A.S., Champati Ray, P.K., **Sahoo, P.R.,** Khan, Israil, Chhatoraj, S.L., (2020) Spaceborne mapping of hydrothermal alteration zones associated with the Mundiyawas-Khera copper deposit, Rajasthan, India, using SWIR bands of ASTER: Implications for exploration targeting. ***Ore Geology Reviews*, v, 118, *https://doi.org/10.1016/j.oregeorev.2020.103327*.**

14. Suresh Kumar, Rambabu Singh, A. S. Venkatesh, G. Udayabhanum, **P. R. Sahoo** (2019) Medical Geological assessment of fluoride contaminated groundwater in parts of Indo-Gangetic Alluvial plains. ***Scientific Reports*** volume 9, Article number: 16243.

15. Majumdar, S., Singh, S., ***Sahoo, P. R***., and Venkatesh, A S (2019) Trace-element systematics of pyrite and its implications for refractory goldmineralisationwithin the carbonaceous metasedimentary units of Palaeoproterozoic South Purulia shear zone, eastern India. ***Journal of earth System Sciences,*** 128:233

16. Swati Pant, Sahendra Singh, ***P.R. Sahoo,*** Ajay Kumar, B. Saravanan, A.S.Venkatesh, G.S. Yadav, Pramod Kumar (2019) Mineral Chemistry and Geothermometry of Chlorites in Relation to Physico-Chemical Conditions of Uranium Mineralisation in Central Part of Singhbhum Shear Zone, Eastern India. ***Ore Geology Reviews***, V 112, ***https://doi.org/10.1016/j.oregeorev.2019.102997.***

17. Rao, G. S., Ramachandrudu, A., ***Sahoo, P.R.,*** Khan, I (2019) Integrated Geophysical investigations in the Mudiyawas-Khera block of Alwar Basin of North Delhi Fold Belt (NDBF): Implications on Copper and associated Mineralization. ***Journal of earth System Sciences,*** 128:161, ***https://doi.org/10.1007/s12040-019-1193-7***.

18. Chakravarti, R., Singh, S., Venkatesh, A.S., Patel, K. and ***Sahoo, P.R.*** (2018) A Modified Placer Origin for Refractory Gold Mineralization Within the Archean Radioactive Quartz-Pebble Conglomerates from the Eastern Part of the Singhbhum Craton, India. ***Economic Geology***, v. 113, N0. 3, pp. 579-596.

19. Prasad, J., Venkatesh, A.S., **Sahoo, P.R.,** Singh, S., and Nguo Sylvestre Kanouo, N. S., (2017) Geological Controls on High-Grade Iron Ores from Kiriburu-Meghahatuburu Iron Ore Deposit, Singhbhum-Orissa Craton, Eastern India. ***Minerals*** 7, 197; ***doi:10.3390/min7100197***.

20. Yadav, G. S., Pandey, U. K., Aravind, S. L., Panchal, P. K., Venkatesh, A. S., **Sahoo**, **P. R.,** Chaturvedi, A. K., Rai, A. K. and Parihar, P.S. (2016). U-Pb, Pb-Pb and Sm-Nd ages of Davidite within albitite zone from Bichun, Jaipur District, Rajasthan, India: Possible link between uranium mineralization and Grenvillian orogeny. ***Current Science***, v. 111, N0.5, pp. 907-913.

21. **Sahoo. P.R.** and Venkatesh, A.S., (2015) Constraints of mineralogical characterization of gold ore: Implication for genesis, controls and evolution of gold from Kundarkocha gold deposit, eastern India. ***Journal of Asian Earth Sciences*, v. 97, pp. 136-149.**

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25. Chandan, K.K., Jha, V., Roy, S., Khatun, M., **Sahoo, P.R.** and Singh, S., (2014). Ore Microscopic Study of the Gold Mineralization within Chandil Formation, North Singhbhum Mobile Belt, Eastern India. ***International Journal of Earth Sciences and Engineering*, v.7, No. 1, pp. 213-222.**

26. Khan, I., Rai, D. K. and **Sahoo, P.R.** (2013). A note on new find of thick copper and associated precious metal mineralisation from Alwar Basin of North Delhi fold Belt, Rajasthan. ***Journal of Geological Society of India*, v. 82, pp. 495-498.**

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Conference Proceedings/Records/Abstracts

1. **P R Sahoo**, Israil Khan, P R Golani, A S Venkatesh, Sushmita Gupta (2016) Geological aspects and fluid evolution for copper mineralization in the Mundiyawas-Khera area, Alwar district, Rajasthan, western India. Asian Current Research on Fluid Inclusions (ACROFI VI) Abstract volume, pp. 139-140.
2. **Sahoo, P.R.,** Venkatesh, A.S. and Singh, S. (2016) Genesis of Gold Mineralization in Kundarkocha Gold Deposit, Singhbhum Craton, Eastern India: Evidences from Host Rock Geochemistry. 35th International Geological Congress, Cape Town, South Africa.
3. Khan, I., **Sahoo, P.R**., Venkatesh, A.S., Golani, P.R., Jena, P.K. and Siddiqui, S. (2016) Geological controls, environment of formation and style of copper and gold mineralization in the Mundiyawas-Khera area of Alwar district, Rajasthan, Western India. 35th International Geological Congress, Cape Town, South Africa.
4. Sharma, J.P., Mahanta, H., **Sahoo, P.R**., Venkatesh, A.S., and Patil, D.J. (2016) Stable Isotopic Signatures and Genetic Implications on Copper (+Ag) Mineralization in and Around

Nim Ka Thana, North Delhi Fold Belt, Western India. 13th Annual Meeting of the Asia Oceania Geosciences Society, Beijing, China.

5. Chakravarti, R., Singh, S., Mahanta, S**., Sahoo, P.R**., Venkatesh, A.S. (2016) Source Characterization of Quartz Pebble Conglomerates within Gorumahisani-Badampahar Belt, Singhbhum-Orissa Iron Ore Craton, India: Implications for Radioactive and Gold Mineralization. 13th Annual Meeting of the Asia Oceania Geosciences Society, Beijing, China.
6. Majumdar, S., Singh, S. and **Sahoo, P.R.,** (2016) Invisible Gold Occurrence within the Sulfides of Paleo to Mesoproterozoic South Purulia Shear Zone, Eastern India Craton-Implications from EPMA and SEM Analysis. 13th Annual Meeting of the Asia Oceania Geosciences Society, Beijing, China.
7. Kumar, A., **Sahoo, P.R**., and Venkatesh, A.S., (2016) Significance of Sulfosalts within the Archean Kundarkocha Gold Deposit, Eastern India. 13th Annual Meeting of the Asia Oceania Geosciences Society, Beijing, China.
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