



Research Publications in SCI indexed Journals

1. Behera, R. C., Singh ., Srivastava S., 2, Vijay Kumar, K. S., 3, Barla., Pandey R.,2025:Trace elemental systematics of auriferous sulfides within the dolerites of northern Cuddapah Basin, southern India: Implications for invisible gold mineralization. Ore Geology Review, Ore Geology Reviews 180 (2025) 106569; <https://doi.org/10.1016/j.oregeorev.2025.106569> (SCI Impact factor:3.38)
2. Sathapathy, J.S.,Singh, S.,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. Acta Geologica Sinica DOI: 10.1111/1755-6724.15289
3. Rao G.S., Arasada R. C., Kumar, S.,Biswas,A.,Sahoo,P.R., and Singh, S., 2024: Afuzzy C-means clustering approach for petrophysical characterization of lithounits in the North Singhbhum MobileBelt, Eastern India. Acta Geophysica <https://doi.org/10.1007/s11600-024-01402-7>
- 4.
5. Horo, D.; Pal, S.K.; **Singh, S.**,2023 New Insights into the Gold Mineralization in the Babaikundi– Birgaon Axis, North Singhbhum Mobile Belt, Eastern Indian Shield using Magnetic, Very Low-Frequency Electromagnetic (VLF-EM), and Self-Potential Data. Minerals 2023, 13, 1289. <https://doi.org/10.3390/min13101289>
6. Kumar, S., Arasada R. C., Rao G.S. and **Singh, S.**, 2023: Inversion of Gravity and Aeromagnetic Data over the Western North Singhbhum Mobile Belt, Eastern Indian Shield, for Delineating Prospective Sulfide (Au) Mineralization Zones. Natural Resources Research <https://doi.org/10.1007/s11053-023-10241-0>
7. Chatterjee, **S.**, **Singh, S.**, Shalivahan, Mondal, S., Magneto-tectonic framework of the East Indian Shield: The present state of knowledge, Journal of Asian Earth Sciences (2023), doi: <https://doi.org/10.1016/j.jseaes.2023.105667>
8. Citation: Anand, A.; **Singh, S.**; Gantait, A.; Srivastava, A.; Mayachar, G.K.; Kumar, M.,2022 Geological Constraints on the Genesis of Jagpura Au-Cu Deposit NW India: Implications from Magnetite-Apatite Mineral Chemistry, Fluid Inclusion and Sulfur Isotope Study. Minerals, 12, 1345. <https://doi.org/10.3390/min1211134>
9. R. Chakravarti, H.E. Frimmel, **S. Singh**, A. Barla, A.S. Venkatesh, S. Balakrishnan.,2022. A geochemical and mineral chemical assessment of sediment

- provenance and post-depositional alteration of auriferous conglomerates in the Singhbhum Craton. Journal of Geochemical Exploration. <https://doi.org/10.1016/j.gexplo.2022.107095> (SCI Impact factor:3.746)
10. **Singh,S.**, Chakravarti,R.,Barla,A., Behera,R.C.,Neogi,S., 2021. A holistic approach on the gold metallogeny of the Singhbhum crustal province: Implications from tectono-metamorphic events and the Archean-Proterozoic regime. Precambrian Research V. 365 (2021) 106376. <https://doi.org/10.1016/j.precamres.2021.106376>; (**SCI Impact factor-4.725**)
 11. **Singh,S.**, 2021: Nanogeoscience in Gold Exploration: Challenges and Opportunities in India. Accepted for publication in the special issue of the Jour. Geol. Soc. India.
 12. Dharmita Horo,.; Sanjit Kumar Pal,; **Sahendra Singh**, 2020: Mapping of gold mineralization in Ichadih, North Sighbhum Mobile Belt, India using Electrical Resistivity Tomography and self-potential methods. Mining, Metallurgy & Exploration (2021) 38:397–411; <https://doi.org/10.1007/s42461-020-00340-4> / & (**SCI Impact factor:1.020**)
 13. 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 Review, v.124(2020), 103584 <https://doi.org/10.1016/j.oregeorev.2020.103584>; (**SCI Impact factor:3.38**)
 14. Barla, A., **Singh**, S.,Chakravarti,R., 2020: Genesis of metasomatic gold mineralization in the Pahardiha-Rungikocha gold deposit, eastern India: constraints from trace element signatures in chromite-cored magnetite and bulk rock geochemistry. Accepted in Ore Geology Review. V.21 (2020)103482.Elsevier's publication. 10.1016/j.oregeorev.2020.103482 (**SCI Impact factor:3.387**)
 15. Dharmita Horo, Sanjit Kumar Pal, **Sahendra Singh** and Saurabh 2020: Combined self-potential, electrical resistivity tomography and induced polarisation for mapping of gold prospective zones over a part of Babaikundi-Birgaon Axis, North Singhbhum Mobile Belt, India. Exploration Geophysics. Doi;10.1080/08123985.2020.1722026: (**SCI Impact factor:1.020**)
 16. Khatun, M; **Singh**, S; Chakravarti, R; Venkatesh, A.S; (2020). Genetic constraints and possible mechanism of gold mineralization within the carbonaceous metasedimentary units of the Dalma volcano-sedimentary Belt, North Singhbhum Mobile Belt, eastern India: implications from pyrite geochemistry and carbon isotope studies. Accepted in Geological Journal.V.55, Issue.7, pp-5233-5250 Doi:10.1002/gj.3736; (**SCI Impact factor:1.949**)
 17. Singh, S., Jha, V., Chandan, K. K., (2019) Geochemistry of Palaeo to Mesoproterozoic Metasedimenaty Units of Chandil Formation, North Singhbhum

- Crustal Province: Implications for Provenance and Source Area Weathering. Jour. Geol. Soc. India, Vol.94, No.2. pp.219-220. doi: 10.1007/s12594-019-1293-7 (*SCI Impact factor:0.63*)
18. Pant, S., **Singh, S.**, Sahoo, P.R., Kumar A, Saravanan, B., Venkatesh,A.S.,Yadav,G.,Kumar,P.,2019 Chemistry and Geothermometry of Chlorites in Relation to Physico- Chemical Conditions of Uranium Mineralization in Central Part of Singhbhum Shear Zone, Eastern India. V, 112, 102997 <https://doi.org/10.1016/j.oregeorev.2019.102997>.Ore Geology Reviews, Elsevier Publication. .(*SCI Impact factor:3.387*)
 19. Majumdar, S; **Singh, S**; Sahoo, P.R; Venkatesh, A.S; (2019). Trace element systematics of pyrite and its implications for refractory gold mineralization within the carbonaceous metasedimentary units of Paleoproterozoic South Purulia Shear Zone, eastern India: Evidences from FTIR, LA-ICP-MS and EPMA studies. J. Earth Syst. Sci. (2019) 128:233 <https://doi.org/10.1007/s12040-019-1256-9>(*SCI Impact factor:1.104*)
 20. Khatun, M; **Singh, S**; Chakravarti, R; (2019). Palaeo-weathering characteristics and nature of source lithology of a carbonaceous metasedimentary units in the Dalma volcano-sedimentary basin, North Singhbhum Mobile Belt, eastern India. Jour. Geol. Soc. India, Vol.94, pp.53-61. doi 10.1007/s12594-019-1226-x (*SCI Impact factor:0.69.*)
 21. R.K.Singh, V.P Maurya, Srivastava, S; **S. Singh**; (2019). Imaging Regional Geology and Au - Sulphide mineralization over Dhanjori greenstone belt: Implications from 3-D Inversion of Audio Magnetotelluric data and Petrophysical Characterization. *Ore Geology Reviews*(2019), doi:<https://doi.org/10.1016/j.oregeorev.2019.01.027>.(*SCI Impact factor:3.98*)
 22. Behera, G.S., Sarkar, B.C., Kumar, R., **Singh, S.**,(2019).Mineral Inventory and Grade-Tonnage Modelling of a Ferruginous Bauxite Deposit using Geostatistics – A Test Case in Eastern India. Vol.94, pp.62-68. doi 10.1007/s12594-019-1267-9(*SCI Impact factor:0.68*)
 23. Chakravarti, R., **Singh, S.**, Venkatesh A. S., Patel K, Sahoo P. R., (2018). A Modified Placer Origin for Refractory Gold Mineralization Within the Archean Radioactive Quartz-Pebble Conglomerats from the Eastern Part of the Singhbhum Craton, India. *Economic Geology* 113(2): 579-596. (doi: 10.5382/econgeo.2018.4563) (*SCI Impact factor:3.03*)
 24. Khatun, M., **Singh, S.**, (2018). Genesis of the Sulfide Hosted Refractory Gold Occurrences within the Carbonaceous Metasedimentary Units of the Dalma Volcano-sedimentary Basin, North Singhbhum Mobile Belt, Eastern India. Jour.

- Geol. Soc. India, Vol.92, July 2018, pp.11-18. (doi: 10.1007/s12594-018-0947-1) (SCI Impact factor:0.63)
25. **Singh, S.**, Jha, V., Chandan, K. K., (2018) Geochemistry of Palaeo to Mesoproterozoic Metasedimentary Units of Chandil Formation, North Singhbhum Crustal Province: Implications for Provenance and Source Area Weathering. Jour. Geol. Soc. India, Vol.92, pp.166-172. doi: 10.1007/s12594-018-0976-9 (SCI Impact factor:0.63)
26. Sahu, S. S., **Singh, S.**, Sathapathy, J.S., (2018). Lithological and Structural Controls on the Genesis of Emerald Occurrences and their Exploration Implications in and around Gurabanda Area, Singhbhum Crustal Province, Eastern India. Jour. Geol. Soc. India, Vol.92, pp.291-297. doi 10.1007/s12594-018-1008-5 (SCI Impact factor:0.63)
27. Prasad, J; Venkatesh, A.S; Sahoo, P.R; **Singh, S**; Nguo, K.S; (2017). Geological Controls on High-Grade Iron Ores from Kiriburu- Meghahatuburu Iron Ore Deposit, Singhbhum -Orissa Craton, Eastern India. Minerals, v.7; 197. (doi.org/10.3390/min7100197) (SCI Impact factor:1.4)
28. Yadav, B.D., Gupta, S.K., **Singh, S**; (2016) Study of Suction Vs Water Content of Soil of Turamdih Area Mixed with Bentonite and its implication on the Liner Property of Tailing Dam: A Case Study from East Singhbhum Jharkhand, Eastern India. Water Resource management, Springer Nature.. doi 10.1007/978-981-10-5711-3_14. (SCI Impact factor:2.64)
29. Jha, V., **Singh, S.**, Venkatesh, A.S., (2015). Invisible gold occurrence within the quartz reef pyrite of Babaikundi area, North Singhbhum fold-and-thrust belt, Eastern Indian Shield: Evidence from petrographic, SEM and EPMA studies. Ore Geology Reviews, v. 65, p. 426–432. dx.doi.org/10.1016/j.oregeorev.2014.100030169-1368 (SCI Impact factor:3.99)
30. Sahu, S.S; **Singh, S**; Sathapathy,J.S.(2014). Genesis of Emerald occurrences and their exploration implications within Singhbhum Shear Zones, Eastern Indian Craton. Acta Geologica Sinica. v.88, p. 1481-1482. DOI 10.1007/s12594-018-1008-5 (SCI Impact factor:2.506)
31. **Singh, S.**, Venkatesh, A.S; (2009). Geochemistry of host rocks and its implication on the genesis of orogenic gold mineralization within Sonakhan schist belt, Central India. Geochimica et Cosmochimica Acta doi.org/10.1016/j.gca.2009.05.015 (SCI Impact factor:4.69)
32. Rajpurohit, S. S., Sinha R. K., Sen P., **Singh S.**, (2018) "Influence of Physico-mechanical Properties of Indian Dimension Stones on Cutting Rate of Diamond Wiresaw" Accepted for publication in Arabian Journal of Geosciences. (doi: 10.1007/s12517-018-3913-8) (SCI Impact factor:0.86)

1. Research Articles in SCOPUS indexed Journals

- i. Yadav, B.D; Gupta, S.K., **Singh, S**; (2016). Interface Shear Strength of Compacted Clay Liner with Parent Foundation Soil of Turamdih Dam Site and Some Geo Textile Materials in Composite Liner System. Accepted for publication in Journal of Mines, Metal & Fuel (JMMF).
- ii. Chandan,K.K., Jha,V.,Roy,S., Khatun,M., Sahoo, P.R. **Singh, S**.(2014). Ore Microscopic Study of the Gold Mineralization within Chandil Formation, North Singhbhum Mobile Belt, Eastern India. International journal of Earth Science and Engineering. v. 6 (6), p. 213-222.

2. Research Articles in Peer-reviewed Journals

- i. **Singh, S**; Prasad, A.K; (2018). Delineation of Gold Prospective Zones within the North Singhbhum Mobile belt, Eastern India. A Regional Scale Analytical Approach through the Integrated Applications of Geospatial Technologies. Applications of Geospatial Applications & Technologies: India case Studies. Editors: **Sarda, N.L., Acharya, P.S., Sen, S.** (Eds.), **Springer Publications**.393p. doi: **10.1007/978-981-13-2330-0**.
- ii. **Singh; S**; (2018). Exploration prospects of Refractory Gold within the carbonaceous metasedimentary Units of North Singhbhum Mobile belt. Mining Engineering journal. v. 19 (6). p.18-21.
- iii. Sil, S., Kumar M.,and Singh, S., (2018) Solution of constantly inclined rotating two phase magnetohydrodynamic flows through porous media. International Journal of Mathematical Archive-9(3), 2018, 225-231.
- iv. Khatun, M; **Singh, S**; (2017). Petrographic and Ore Microscopic Study of Carbonaceous Host Rocks and Associated Gold Mineralisation within Dalma Volcano-Sedimentary Basin,North Singhbhum Mobile Belt, Eastern Indian Craton. Journal of Geosciences Research, Special Volume.v.1. p. 35-41.
- v. Majumder, S; **Singh, S**; (2017). Petrographic Characterization of Host Rocks and Ore Mineralization from Palaeo to Mesoproterozoic South Purulia Shear Zone, Eastern Indian Craton. Journal of Geosciences Research, Special Volume.v.1. p. 43-510.
- vi. Chakravarti, R; **Singh, S**; (2017). Gold Mineralisation within Quartz Pebble Conglomerates of Gorumahisani- Badampahar Schist belt, Singhbhum Craton, Eastern India. Journal of Geosciences Research, Special Volume.v.1. p. 27-34.

- vii. Sahoo, P.R; Prasad, J; Prakasam, M; **Singh, S**; Venkatesh A.S; (2009). Orogenic Gold mineralization in and around Kundarkocha, East Singhbhum, Jharkhand. Indian Academy of geosciences.v. 52 (1), p. 11-18.
 - viii. Sinha, H.N.,Gosh,T.K.,Kumari,K.,**Singh,S.,2008**:Trace and Rare Earth Elements study of Meso-Neoproterozoic shales of Semri Group of Son Valley, Sonbhadra District, Uttar Pradesh. Gondwana Geology magazine,v .23(1).p.13-19.
 - ix. **Singh, S.**,Sahoo, P., Venkatesh, A.S; (2006). Geochemistry of Host rocks associated with Gold mineralization within Sonakhan Group, Central India.V.21(2),381-400.
 - x. Chandan K. K., Jha Vandana, Sairaj K., **Singh S**, Venkatesh A.S.,2013: Greenfield Exploration Prospects of Orogenic Gold Mineralization in and around LAWA Area, North Singhbhum Mobile belt, Eastern Indian Craton. International Journal of Applied and Natural Sciences (IJANS).V.2,Issue.4, p2319-4022.
3. Research articles under review/preparation in SCI indexed journal
- i. Chakravarti, R., Singh,S.,venkatesh,A.S.,2020 Evidence of primordial life forms in 3.25 Ga auriferous pyrite-bearing quartz pebble conglomerates in the Singhbhum Craton, eastern India. Palaeogeography, Palaeoclimatology, Palaeoecology
 - ii. Anand,A., Dutt,K.,Singh,S.,Mayachar,G.K.,(2020) Geology, fluid inclusion and sulfur isotope systematics of quartz-chlorite schist hosted Au-Cu mineralization of Jagpura prospect, Bhukia-Dagocha gold belt, Rajasthan, India: Implications for ore genesis and mineral exploration. (In Pipeline).
4. Conference Proceedings (Full Paper)
- i. Bhagde, N.V.,Murthy, V.M.S.R., Srivastava, S.,Pal.S.,**Singh,S.**2018.Assesment and control of backbreak using near-field vibration signatures in dragline bench blasting.12th international symposium on rock fragmentation by blasting,Lulea Sweden, 11-13 June 2018.p.125-137.
 - ii. **Singh S.**, Jha, V. and Khatun, M., 2014. Exploration Prospects of Hydrothermal Gold Mineralization, South of Tamar Porapahar Shear Zone, North Singhbhum Crustal Province. Evidences from Petrographic, SEM and EPMA studies. Expo Cum Symposium on Mining- Minefest India'2014, National Symposium Socio-Mechanics of Mining- Present & Future. p. 41-48.
 - iii. **Singh S.**, Chandan K. K. and Jha, V., 2014. Exploration prospects of Gold Mineralization in North Singhbhum Fold Belt, Eastern Indian Craton. Expo Cum Symposium on Mining- Minefest India'2014, National Symposium Socio-Mechanics of Mining- Present & Future. p. 10-15.

- iv. Maly, A., **Singh,S.**, Indrajeet, 2010: Application of Integrated Satellite technology with smart card to develop a mine information system. Seminar on present challenges in mining and Allied Industries, MEAI, Bhubaneswar, p.29-32.
- v. **Singh,S.**, Venkatesh,A. S., Tirkey,V.,2010: Environmental hazards due to Coal Mine Fire: A Geological perspective of Coal mine fire in Kuju area, Ramgarh district, Jharkhand.
- vi. **Singh, S.** and Venkatesh, A. S. 2006: Metallogenetic modelling of Gold mineralization in Sonakhan Greenstone belt, Central India. Abs. accepted in the conf. Frontier Areas in Geological and Technological aspects of Fossil Fuel and Mineral, Indian School of Mines, Dhanbad in Nov 2-4, 2006.
- vii. Sinha, J.,**Singh, S.**, Sinha, P., 2002: Geo-informatics based disaster management system. National seminar on natural hazards, 2002. St.Xavier's college Ranchi.
- viii. Sinha, J.,**Singh,S.**, 2002: Evaluation of parameter controlling earthquake management system: An analytical Approach using 3S' technology, MAP ASIA 2002, BANGKOK.
- ix. **Singh, S.**, Sinha, J., 2001: Application of GPS in geological mapping; a preliminary thought. ASIAN GPS CONFERENCE 2001, New Delhi.
- x. **Singh,S.**,Sinha,J., 2002: Geotechnical study of an engineering project: A geomatic approach, MAP INDIA 2002, New Delhi.

5. Conference Abstracts

- i. **Behera, R.C.**, and Singh, S. 2024. **A new insights into the dolerite hosted invisible gold mineralization within the northern part of the Cuddapah Basin, southern India: Implications from the trace elemental systematics of auriferous pyrites.** AGU Annual Meeting 2024: What's Next for Science, in Washington, D.C., USA. (Poster presentation).
- ii. **Behera, R.C.**, Singh, S., Kumar, K., Tirkey, V.K., Reddy, R., and Shalivahan, S., 2024. **Invisible gold mineralization within Korivipalle dolostone and Dhone dolerites: Implications from EPMA and LA-ICP-MS analysis of pyrite.** Society of Economic Geologists 2024 (SEG 2024) Conference: Sustainable Mineral Exploration and Development, in Windhoek, Namibia. (Poster presentation).
- iii. Singh, S; Kumar, K., **Behera, R.C.**, Tirkey, V.K., and Shalivahan, S., 2024. **Trace element systematics of auriferous sulfides and its implications on the gold mineralization within the Vempalle dolostone of the Cuddapah Basin, India.** Society of Economic Geologists 2024 (SEG 2024) Conference: Sustainable Mineral Exploration and Development, in Windhoek, Namibia. (Poster presentation).
- iv. Kumar, K., Singh, S; **Behera, R.C.**, Shalivahan, S., Md. A; and Kohli, D., 2023. **Trace element systematics of the auriferous sulfides and its implications on the gold mineralization within the Vempalle dolostone of the Cuddapah Supergroup, southern India.** SEG 2023 Conference: Resourcing the Green Transition. (Abstract accepted)

- v. **Behera, R.C.**, Singh, S., Barla, A., Kohli, D., and Aquib, S.M., 2023. **Invisible Gold Occurrence as a Strategic Element in National and Global Perspective**. Current Trends in Earth System Sciences seminar (CTESS 2022-23), Department of Geology, University of Kerala, Trivandrum, India, Vol. 1.
- vi. **Behera, R.C.**, Singh, S., and Barla, A., 2022. **Geological Characterization of Auriferous Sulfide Within the Vempalle Dolostone, Cuddapah Supergroup, Southern India: Implication for Carlin like Gold Occurrence**. Society of Economic Geologists 2022 (SEG 2022) Conference: Minerals for Our Future, in Denver, CO, United States. (Speed talk).
- vii. Barla, A., **Behera, R.C.**, Singh, S., and Chakravarti, R., 2022. **Genesis and Geochemistry of the Pahardiha- Rungikocha Gold Deposit in North Singhbhum Mobile Belt, Eastern India**. Society of Economic Geologists 2022 (SEG 2022) Conference: Minerals for Our Future, in Denver, CO, United States. (Speed talk).
- viii. Barla, A., Singh, S. and Chakravarti, R., **Behera, R.C.**, 2021. **Physico-Chemical Conditions of Pahardiha- Rungikocha Gold Deposit, North Singhbhum Mobile Belt, Eastern India**. Society of Economic Geologists anniversary (SEG 100) Conference, Whistler, Canada (Speed talk).
- ix. Singh, S., (2019). Nanogeosciences in gold exploration: Challenges and opportunities. National seminar on Gold Mining in India: The way forward. Organized by geological society of India and Dr. Thimmaiah Institute of Technology, Oorgaam, Kolkar Gold Field during 15-16th February 2019. Abstract Volume, p.148-149.
- x. Chakravarti, R., **Singh, S.**, Venkatesh A. S., Patel K., (2018). Pyrite hosted refractory gold mineralization within Archean quartz pebble conglomerates of Singhbhum craton: Implications from petrography, SEM, EPMA and LA-ICP-MS studies. National Seminar on Dynamics of Surface and Subsurface Geological Processes, Pondicherry University, Pondicherry. Abstract Volume, p. 90.
- xi. **Singh, S;** (2014). Metallotectonic evolution of North Singhbhum Mobile belt and its implication on the Province scale orogenic Gold. Penrose Conference 30.03.14-04.04.14 Asheville, North Carolina.
- xii. **Singh, S.**, Biswas, S., Ravi, S., Das, S., Ranjan, S., Mansoor, A.; (2014). Metallogeny in the Precambrian Belt in Singhbhum Craton/Singhbhum Crustal Province with Special reference to Au Mineralization: Brain storming session on IGC 2020: 21.03.14-22.03.14: GSI, Eastern Region, Kolkata.
- xiii. **Singh S.**, Jha, V., Chandan K. K., Khatum, M., Venkatesh, A.S., (2014) Metallotectonic Evolution of North Singhbhum Mobile Belt and its Regional Scale Exploration Implications on the Gold Metallogeny of Chandil Formation: Evidences from Host Rocks Geochemistry, SEM & EPMA Studies. International seminar on Sedimentary processes and Metallogeny through Time (SPMT)-2014, SDM College Dharwad, Abstract Volume, p. 13.
- xiv. Jha, V., Chandan, K.K., Lakra, A., and **Singh, S.**, (2014). Tectonic Evolution of North Singhbhum Mobile Belt and its Metallogenetic Implications on the Gold Metallogeny of Chandil Formation, Singhbhum Crustal Province. Nainital MTM

- conference (2014) from 27th to 29th March, International Association for Gondwana Research Conference Series 18, Abstract Volume, p. 160.
- xv. **Singh S.**, Chandan K. K., Jha, V; Venkatesh, A.S.:(2013). Metallotectonic Evolution and its Implications on the Exploration Prospects of Orogenic Gold Mineralization within North Singhbhum Mobile Belt, Singhbhum Craton, Eastern India. Proceedings volume Second Symposium on the Geological Resources in the Tethys Realm, 5-8 January, 2013, Aswan, Egypt.
 - xvi. Chandan, K.K., Jha, V., Khatun, M., **Singh, S.**, and Venkatesh, A.S., (2013). Geochemistry of Paleozoic to Mesoproterozoic Metasedimentary Units, Lawa-Mayasera Area, Chandil Formation, Eastern Indian Craton: Implications for Provenance and Source Area Weathering. Geological Society of America, Abstracts with Programs. Vol. 45, p. 241.
 - xvii. Jha, V., Chandan, K.K., Khatun, M., **Singh, S.**, Venkatesh, A.S., (2013), Geology and Geochemistry of Gold bearing Meso-Proterozoic Chandil Formation, North Singhbhum Mobile Belt, Eastern Indian Craton: Evidence from Trace- REE signatures, EPMA and SEM analysis. Future Challenges in Earth Sciences For Energy and Mineral Resources (ESEMR-2013), ISM Dhanbad. Abstract Vol. p. 53.
 - xviii. Chandan, K.K., Jha, V., Khatun, M., **Singh, S.**, and Venkatesh, A.S., (2013). Geology and Geochemistry of Paleozoic to Mesoproterozoic Mafic Volcanics from Lawa Mayasera area, Chandil Formation and its Implications on the Tectonic Evolution of Northern Singhbhum Mobile Belt, Eastern Indian Craton. PGCT 2013 from 23rd to 26th November International Association for Gondwana Research Conference Series 16, Abstract Volume, p. 40.
 - xix. **Singh, S.**; Venkatesh, A.S., Chandan, K. K. '(2011). Crustal Evolution of Earth and its Control on Global Scale Orogenic Gold Metallogeny. Proceedings International Conference on Fragile earth, 4-7 Sept 2011, Munich, Germany.
 - xx. **Singh, S.**, Sathpathy, J.S., Venkatesh, A.S., (2011). Implication of Global scale crustal processes on exploration prospects of orogenic Gold mineralization. 17th convention of Indian Geological Congress and International Conference NPESMD 2011, Nov 10-12, 2011, p 771-776.
 - xxi. **Singh, S.**, Venkatesh, A.S., Tirkey, V.; (2010). A Geodynamic Model for the Tectonic Evolution of Sonakhan Greenstone Belt, Bastar Craton, Central India". Proceeding volume of the Fourth international conference on "The Geology of Tethys" at Cairo University, EGYPT. 2008.
 - xxii. **Singh, S.**, 2006: Geodynamic evolution of Sonakhan greenstone belt, Central India and its implications for gold mineralization. "Evaluation of Mineral Resources of India". March 2-4, 2006.
 - xxiii. Venkatesh, A. S. **Singh, S.**, Kumar, Navin. and Tirkey V. '(2006) An Autochthonous Model for the Tectonic Evolution of Sonakhan Greenstone Belt, Bastar Craton, Central India published in the pre-seminar abstract volume on the "Role of Geology in the Development of Central India: A Retrospective and Potential" held at Nagpur University in Dec. 27-28 at Nagpur.

- xxiv. **Singh, S.**, Sahoo, P., Asthana, D and Venkatesh, A.S., (2005). Geology and Geochemistry of orogenic gold mineralization in the Sonakhan Greenstone belt, Central India. Research paper presented in National Seminar on Proterozoic system of India: Evolution and Economic potential. November 11-12, 2005. pp. 47.
- xxv. **Singh, S** and Kumar, N., (2005). Sonakhan greenstone belt: Gold mineralization, exploration potential and economic realities. Research paper, presented in “National symposium on geochemistry of earth resources and its bearing on their development”. Dec. 27-28, 2005. pp. 41.
- xxvi. **Singh, S.**, Venkatesh, A. S.; (2004). Geodynamic significance of Rajahmundry Traps. A.P. India. International Geological Congress, 2004, Italy.

Book Chapters

- i. Singh,S., (2022) Gold Phytomining in India: An Approach to Circular Economy in the 21st Century. **Environmental Management in India: Waste to Wealth (pp.249-257).**
DOI:[10.1007/978-3-030-93897-0_12](https://doi.org/10.1007/978-3-030-93897-0_12)

6. Books-One

- i. Singh, S. & Venkatesh, A.S., 2012: Gold Mineralization within Sonakhan Schist Belt, Central India: Exploration Prospects and Metallotectonic Implications; Lap Lambert Academic Publishing, Saarbrücken, Deutschland, 208p.

7. Edited Conference proceedings/Abstract Volumes-2

- i. Varma, O.P., Sarkar, B. C., Varma, A. K., Mukherjee, M. K. ,Singh, S.,2011:,Edi. Volume, Proceedings; 17th Convention of Indian Geological Congress and International Conference on New Paradigms of Exploration and Sustainable Mineral Development: Vision 2050 (NPESMD 2011) held at Indian School of Mines Dhanbad.
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