

Prof. S.P. Singh – Bundelkhand University

Present Position/Address: Professor and Head, Department of Geology
Institute of Earth Sciences
& Director, academics,
Bundelkhand University, Jhansi- 284128, U.P., India

Tel: 0510-2320497. Mobile No. 09450071334

Fax: 0510- 2320761 (O)

E-mail: spsinghbu@rediffmail.com

Date of Birth : January 15, 1964

Qualifications : M.Sc. (Geology) and Ph.D. (Geology) from BHU, (U.P.)

Field of Specialization : Bundelkhand Geology, Metamorphic Petrology,
Mineralogy and Precambrian Geology, Geochemistry

Ph.D. Students : Ph.D. Awarded – Four

Ph.D. Enrolled currently : One

Research publication in last 10 years

45 in the national and international Journal.

Administrative Experiences:

- Convenor BOS, Research Degree council (RDC)
- Dean Faculty of Science (2002-2005, 2008-2011, 2014-2017)
- Head Geology, Bundelkhand University(1999-2008, 2014-2017, 2020 –till date)
- Director Self Finance Scheme (SFS) (2008-2009)
- Expert member in NDRMS (DST) PMC
- Coordinator, examination and evaluation in 2013, 2014 and 2015
- Member academic council
- Member executive council Bundelkhand University
- Member planning Board, DGM, Uttar Pradesh, Lucknow

Research Academic Experiences

- Assistant Professor (1993-1999): Department of Geology, HNB Garhwal University Srinagar Garhwal, Uttarakhand
- Associate Professor (1999-2002): Department of Geology, Bundelkhand University
- Professor (2002 to till date): Department of Geology, Bundelkhand University
- Coordinator centre of Excellence in Geology, by State Govt UP, Lucknow (U.P.)

- Coordinator, FIST program (DST) 2003-2009
- **Director Academics:** (2017-till date) Bundelkhand University Jhansi

Seminar/ workshops organized as convener

- ❖ Geo-environment in Indian scenario in 2000.
- ❖ National seminar on: Geology and Mineral resources of Bundelkhand, Craton (GMRB) in 2010.
- ❖ National seminar on Precambrian of India 2016.

On Going /recent completed Research Projects

- Petrogenesis of mafic and ultramafic Magmatism at Madawara Igneous Complex, Bundelkhand Craton: Implications for Platinum group elements Metallogeny” funded by Ministry of Earth Sciences New Delhi, A Joint Research Project between Bundelkhand University and NGRI Hyderabad. **Rs 36 Lakhs.** completed
- Integrated approach planning and management of Natural and geological resources in Bundelkhand Funded by Ministry of Mines New Delhi. **Rs 285 Lakhs** completed
- Water Assessment potential for groundwater exploration in Tikamgarh and Jhansi districts of Bundelkhand Region. Funded by DST(NRDMS) **Rs 44.56 Lakhs** Completed

Recent Papers Publication on Bundelkhand Craton :

1. Sikha Hiloidari, Manavalan Satyanarayanan, **Surya Pratap Singh**, Rajneesh Bhutani, K.S.V. Subramanyam, D. Srinivasa Sarma (2021): Evidence for Mesoarchean subduction in Southern Bundelkhand Craton, India: Geochemical fingerprints from metavolcanics of Kurrat - Girar - Badwar Greenstone Belt. Journal Geochemistry. **(IF: 2.9)**
2. Keerthy, C.L. Vishnu , Shan-Shan Li, N. Reshma , M.N. Praveen, T. Oommen, **S.P. Singh**, K.S. Sajinkumar 2020 Reconstructing the dimension of Dhala Impact Crater, Central India, through integr ated geographic information system and geological records. Journal Planetary and Space sciences. **(IF 1.8)**
3. Renjith ML, Santosh M, Singh SP, Satyanarayanan M and Korakoppa M (2020): Oldest carbonatite (2.56 Ga) from India: Petrogenesis implicated with spinifex-like texture, autometasomatic, low Ba-Sr-REE and carbonated-eclogite source. Gondwana Research (under submission)

4. MANISH SRIVASTAVA S B DWIVEDI and **S P SINGH** (2019): A new occurrence of two-pyroxene granulites at Chicholi from Betul supracrustal belt in Central Indian Tectonic Zone (CITZ), MP, India J. Earth Syst. Sci. Indian Academy of Sciences <https://doi.org/10.1007/s12040-019-1237-z> IF 0.98
5. Mohanty M, **Singh SP**, Satyanarayanan M, Jayananda M, Korakoppa M M and Sikha Hiloidari (2018): Chromian spinel compositions from Madawara ultramafics, Bundelkhand Craton: Implications on petrogenesis and tectonic evolution of the southern part of Bundelkhand Craton, Central India" Geological Journal, DOI: 10.1002/gj.3286.
6. Li S.S., Keerthy S., Santosh M., **Singh S.P.**, Deering C.D., Satyanarayanan M, Praveen M.N., Aneeshkumar V., Indu G.K., Anilkumar Y. and Sajinkumar K.S. (2018): Anatomy of impactites and shocked zircon grains from Dhala reveals Paleoproterozoic meteorite impact in the Archean basement rocks of Central India, [Gondwana Research](#). vol. 54, pp 81-101.
7. Li S.S. , Keerthy S., Santosh M., **Singh S.P.**, Deering C.D., Satyanarayanan M., Praveen M.N., Aneeshkumar V., Indu G.K., Anilkumar Y. and Sajinkumar K.S. (2018): Anatomy of impactites and shocked zircon grains from Dhala reveals Paleoproterozoic meteorite impact in the Archean basement rocks of Central India, [Gondwana Research](#). vol. 54, pp 81-83.
8. Keerthy S., Vishnu C.L., Li Shan-Shan, Reshma N., Praveen M.N., Glikson A., Oommen T., **Singh S.P.** and Sajinkumar K.S. (2018): Reconstructing the evolution of Dhala Impact Crater, Central India, through integrated Geographic Information System and geological records. Earth and Space Sciences. .
9. **Singh S.P.**, Subramanyam K.S.V., Manikyamba C., Santosh M., Rajanikanta Singh M. and Chandan Kumar B. (2018): Geochemical systematics of the Mauranipur-Babina greenstone belt, Bundelkhand Craton, Central India: Insights on Neoproterozoic mantle plume-arc accretion and crustal evolution, [Geoscience Frontiers](#). vol. 9(3), pp 769-788.
10. Satyanarayananana M., D.V. Subba Rao, M.L. Renjith, **S.P. Singh**, E.V.S.S.K. Babua and M.M. Korakoppa (2017): Petrogenesis of carbonatitic lamproitic dykes from Sidhi gneissic complex, Central India. **Geoscience Frontier** <https://doi.org/10.1016/j.gsf.2017.04.011>(IF: 4.5)
11. Nagaraju Podugu, Labani Ray, **S.P. Singh** and Sukanta Roy (2017): Heat flow, heat production and crustal temperatures in the Archean Bundelkhand craton, northcentral India: implications for thermal regime beneath the Indian shield. JGR (Solid earth) DOI: 10.1002/2017JB014041, V 122, p.p. 5766–5788. (IF: 3.5)

12. **S.P. Singh**, K.S.V. Subramanyam, C.M. Santosh, M. Rajanikanta Singh and B.Chandan Kumar (2017): Geochemical systematics of the Mauranipur- Babina greenstone belt, Bundelkhand Craton, Central India: Insights on Neoproterozoic mantle plume-arc accretion and crustal evolution. **Geosciences Frontier** <https://doi.org/10.1016/j.gsf.2017.08.008>
13. **Singh, S.P.** and Bhattacharya, A.R. (2017): N-S crustal shears system in the Bundelkhand massif: a unique crustal evolution signature in the northern Indian Peninsula. **Journal Earth System Sciences**. <https://doi.org/10.1007/s12040-017-0900-5>
14. Labani Ray, P. Nagaraju, **S.P. Singh** G. Ravi and Sukanta Roy (2015): Radio elemental, petrological and geochemical characterization of the Bundelkhand Craton, Central India: Implication in the Archean geodynamic evolution. **International Journal Earth Sciences** 1-21, DOI 10.1007/00531-015-1229-4. (**IF: 2.97**)
15. Mohan M R., **Singh S.P.**, Santosh M., Siddiqui M.A. and Balaram V. (2012): High alumina TTG suite from the Bundelkhand Craton, Central India: Geochemistry, petrogenesis and implications for Archean crustal evolution. **Journal Asian Journal Earth Sciences** 58, 38-50.
16. **Singh S.P.** and Dwevedi S.B. (2015): High grade Metamorphism from Bundelkhand massif and its implication in crustal evolution of Middle Archean crust of Central India Mineralogy and Petrology. **Journal Earth System Sciences**, 124,197-211.
17. Satyanarayana M, **Singh S.P.** and V. Balaram (2015): Geochemistry of Madawara Igneous Complex, Bundelkhandcraton Implication for PGE Metallogeny **Central European Journal of Geosciences**.
18. Balaram V, **Singh, S.P.**, Satyanarayanan M. (2014): Platinum Group Geochemistry and mineralization in Late Archean mafic and ultramafic intrusions from Madawara Igneous Complex Bundelkhand Craton Indian **Journal Geol.** Kolkatta.
19. Satyanarayanan M, **Singh S.P.**, Sarma D.S. and Balaram V. (2014): Geochemistry of PGE bearing ultramafic rocks from Ikauna in Madawara Complex, Bundelkhand Craton, Central India. **J Geological Society India**. Pp 153-172.

20. Balaram V., M. Satyanarayanan, Anirban Mandal, Aamir Ansari and **S.P. Singh** (2014): Hydrogeochemical studies in Madawara Igneous Complex Uttar Pradesh –**HR-ICP-MS 29IMS** at Jodhpur pp 12-19.
21. Balaram Vysetti, **S.P. Singh**, Manavalan Satyanarayanan and Anjaiah Venkata Kanukuntla (2013) Platinum group elements mineralization in peridotites and associated rocks from Pindar in Madawara Igneous Complex, Bundelkhand massif, Central India, **Journal of Earth System Science** Vol 122.pp 79-91.
22. Bhattacharya and **Singh S.P.** (2013) NE–SW Crustal Scale Shearing in Bundelkhand Massif with special reference to Evolution of Quartz Reefs. **Jour Geol. Soc India**.82, 474-484.
23. **Singh S.P.**, Shrivastva A.K., Gopengra Kumar and S.B. Dwevedi (2013): Metamorphic evolution of the contact aureole of the Jhirkadandi Pluton, Sonbhadra district, Mahakosal mobile belt, Central India. **J Earth system Science Bangalore**. Vol. 122, pp745-757.
24. **Singh S.P.** (2012) Archean Geology of Bundelkhand Craton Central India an overview. **Gondwana Geological Magazine special** Volume 13, pp 125-140.
25. **Singh S.P.** (2012): Geochemical Signatures of Archean felsic Volcanism in the Central part of Bundelkhand Craton, Central India. *International Journal of advances in earth sciences* Vol 1, pp20-32.
26. **Singh S.P.**, Satyanarayanan M., Balaram V., Anjaiah K.V., Aditya Kharia (2011): Platinum Group Minerals from the Madawara Ultramafic-mafic Complex, Bundelkhand Massif, Central India: A Preliminary report. **J Geol Soc. India** vol 78 pp281-283.(**IF: 0.60**)
27. Satyanarayanan M., Balaram V., **Singh, S.P.**, Sarma D.S., Anjaiah K.V. and Aditya K. (2011): Platinum group elements in Madawara igneous complex, Bundelkhand massif, central India: some exciting results .**DST News letter** New Delhi, Jan 3, pp 19-24.
28. **Singh S.P.**, Balaram V, Satyanarayanan M, Anjaiah KV, Aditya Kharia (2011): Madawara ultramafics complex in Bundelkhand Craton: a new PGE repository for exploration in Central India Proceeding Volume (Edt SP Singh) *Geology and Mineral Resources Bundelkhand Craton special issue in Jour. Eco. Geol. Georesources. Mgt.* Vol. 8
29. Satyanarayanan M., Balaram V., Roy P., Anjaiah A. and **Singh, S.P.** (2010): Trace, rare earth element (REE) and platinum group element (PGE) geochemistry of the mafic and ultramafic rocks from Bundelkhand craton, Central India. *Advances in*

Geosciences, Vol. 20: Solid Earth Ed. Kenji Satake, World Scientific Publishing Company, pp 57- 79.(**IF: 0.40**)

30. **Singh S.P.** and Basu AK (2010): Giant Ground Fissures from the South of Ganga Basin: Evidences of Neotectonism in Northern Part of Bundelkhand Craton. Proceedings Neotectonism. Neotectonism in edited Dhruv Sen Singh and N.L. Chhabra in Geological process and climatic changes. Macmillan Publisher New Delhi pp235-250
31. **Singh S.P.**, Balaram V, Satyanarayanan M, Anjaiah KV, Aditya Kharia (2010): Platinum group elements in basic and ultrabasic rocks around Madawara, Bundelkhand Massif, Central India. **Current Science.**, 99: 375-383.
32. **Singh S.P.**, and Dwivedi S.B., (2009) Garnet sillimanite –cordierite –quartz bearing assemblages from the early Archean supracrustal rocks of Bundelkhand Massif Central India. **Current Science** 97, 103-107.
33. **Singh S.P.**, Hemraj, Shukla, R.S. Shrivastva, S.K. and NambiarK.V. (2008): Granite collapse Breccias in Precambrian Terrainof Bundelkhand Craton. Jour. **Economic Geology and mineral resource management** Vol 5, 36-52.
34. **Singh S.P.**, Singh M.M., Srivastava G.S., and Basu A.K. (2007): Crustal evolution in Bundelkhand area, Central India. Jour. **Himalayan Geol.**, 28, pp.79-101.
35. Singh M. M., **Singh S.P.** and Srivastava G. S. (2005): Crustal evolution in Bundelkhand massif Central India. Abstract, International conf on PCGT, Bundelkhand University, Jhansi, India. 242-243.