

SAURABH SINGHAL, WIHG, DEHRADUN, INDIA



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RESEARCH GROUP:

PETROLOGY AND GEOCHEMISTRY GROUP

FIELD OF SPECIALIZATION:

Analytical Geochemistry and Geochronology

EDUCATION:

M.Tech (Electronics and communication), NIT Jalandhar.

B.Tech (Electronics and communication), UPTU.

PROFESSIONAL EXPERIENCE:

2017-till date: Scientist-‘C’ at Wadia Institute of Himalayan Geology, Dehradun

2014-2017: Scientist-‘B’ at Wadia Institute of Himalayan Geology, Dehradun

VISITING POSITIONS:

TEACHING EXPERIENCE:

SERVICES:

a. Supervision/Guidance to Ph.D. Students:

b. Training:

c. Teaching:

d. Membership:

e. Editorial Board:

f. International/National Seminars/Workshop:

g. External Research Fund received & Project Handled:

h. Member of important Committees:

AWARDS/FELLOWSHIPS/HONORS/MEMORIAL LECTURES:

a. Awards/Medals/Prizes:

Best Research Paper award (GSAB) for the year 2019 from Wadia Institute of Himalayan Geology.

b. Fellowships:

c. Memorial Lectures:

d. Recognition/Honors:

COUNTRIES VISITED:

Two weeks training in Bremen Germany

NATIONAL/INTERNATIONAL (outside WIHG) COLLABORATION:

Inside WIHG Collaborator:

PATENT -

SCHOLARSHIPS AWARDED, GATE

1. Received MHRD fellowship.
2. Qualified GATE 2011,2012,2013,2014 and 2015.

PH.D. ADVISOR:

LIST OF PUBLICATIONS

(a) SCI Papers

1. Singh, P., **Singhal, S.** and Das, A.N., 2020. U–Pb (zircon) geochronologic constraint on tectono-magmatic evolution of Chaur granitoid complex (CGC) of Himachal Himalaya, NW India: implications for the Neoproterozoic magmatism related to Grenvillian orogeny and assembly of the Rodinia supercontinent. *International Journal of Earth Sciences*, pp.1-18.
2. Singh, P.C., Sachan, H.K., Kharya, A., Rolfo, F., Groppo, C., **Singhal, S.**, Tiwari, S.K. and Rai, S.R., 2020. Tectono-metamorphic evolution of the Karakoram Terrane: Constrained from P–T–t–fluid history of garnet-bearing amphibolites from Trans Himalaya, Ladakh, India. *Journal of Asian Earth Sciences*, p.104293.
3. Mukherjee P K, Jain A K, **Singhal S**, Singha N B, Kumud K And Seth P 2019 U-Pb zircon ages and Sm-Nd isotopic characteristics of the Lesser and Great Himalayan sequences, Uttarakhand Himalaya, and their regional tectonic implications. **Gondwana Research**.
4. Phukon, P., Sen, K., Singh, P.C., Sen, A., Srivastava, H.B. and **Singhal, S.**, 2019. Characterizing anatexis in the Greater Himalayan Sequence (Kumaun, NW India) in terms of pressure, temperature, time and deformation. **Lithos**.
5. Chahal, P., Kumar, A., Sharma, P.C., **Singhal, S.**, Sundriyal, Y.P. and Srivastava, P., 2019. Late Pleistocene history of aggradation and incision, provenance and channel connectivity of the Zaskar River, NW Himalaya. **Global and Planetary Change**.
6. **Singhal, S.**, Mukherjee, P.K., Saini, N.K., Dutt, S. and Kumar, R., 2019. Effect of carbon on major element analysis of carbonaceous silicate rocks by WD-XRF: An evaluation of error and its correction. *Geochemistry: Exploration, Environment, Analysis*, 19(1), pp.31-38.
7. Lakhan, N., Singh, A.K., Singh, B.P., Sen, K., Singh, M.R., Khogenkumar, S., Singhal, S. and Oinam, G., 2019. Zircon U–Pb geochronology, mineral and wholerock geochemistry of the Khardung volcanics, Ladakh Himalaya, India: Implications for Late Cretaceous to Palaeogene continental arc magmatism. *Geological Journal*.
8. Sen, A., Sen, K., Srivastava, H.B., **Singhal, S.** and Phukon, P., 2018b. Age and geochemistry of the Paleoproterozoic Bhatwari Gneiss of Garhwal Lesser Himalaya, NW India: implications for the pre-Himalayan magmatic history of the Lesser Himalayan basement rocks. **Geological Society, London, Special Publications**, 481, pp.SP481-6.
9. Phukon, P., Sen, K., Srivastava, H.B., **Singhal, S.** and Sen, A., 2018. U-Pb geochronology and geochemistry from the Kumaun Himalaya, NW India, reveal Paleoproterozoic arc magmatism related to formation of the Columbia supercontinent. **Bulletin**, 130(7-8), pp.1164-1176.
10. Sen, K., Adlakha, V., **Singhal, S.** and Chaudhury, R., 2018a. Migmatization and intrusion of “S-type” granites in the trans-Himalayan Ladakh Magmatic Arc of north India and their bearing on Indo-Eurasian collisional tectonics. **Geological Journal**, 53(4), pp.1543-1556.
11. Mukherjee, P.K., **Singhal, S.**, Adlakha, V., Rai, S.K., Dutt, S., Kharya, A. and Gupta, A.K., 2017. In situ U-Pb zircon micro-geochronology of MCT zone rocks in the Lesser Himalaya using LA-MC-ICPMS technique. **Current Science** 112(4) 802-810

12. Kharya, A., Sachan, H.K., Tiwari, S.K., **Singhal, S.**, Singh, P.C., Rai, S., Kumar, S., Mehta, M. and Gautam, P.K.R., 2016. New occurrence of albitite from Nubra valley, Ladakh: characterization from mineralogy and whole rock geochemistry. ***Current Science*** (00113891), 111(9).

(b) Non-SCI Articles

(c) Chapter in Books

(d) Books-authored/Edited volume:

(e) Abstract volume:

(f) Reports/Other Documents:

(g) Articles in Proceeding Volumes