

DR. PARAMJEET SINGH, WIHG, DEHRADUN, INDIA



Google Scholar Page:

Google scholar: <https://scholar.google.co.in/citations?user=drhG820AAAAJ&hl=en>

Research gate: https://www.researchgate.net/profile/Paramjeet_Singh12

RESEARCH GROUP: STRUCTURE AND TECTONIC

FIELD OF SPECIALIZATION: GEO-THERMOCHRONOLOGY (FISSION TRACK, U-Pb GEOCHRONOLOGY)

EDUCATION:

Ph. D. Kurukshetra University Kurukshetra, (submitted in 2013; awarded in 2014)

NET qualify for Lectureship (UGC-CSIR jointly conducted), 2010 (AIR 55)

M.Sc. Kurukshetra University Kurukshetra, 2007

B.Sc. University Collage, Kurukshetra University Kurukshetra, 2005

VISITED COUNTRIES:

(1) UNITED STATE OF AMERICA, (2) UNITED KINGDOM, (3) MALAYSIA

TEACHING EXPERIENCE: NIL

SERVICES:

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

b. Membership: Two

(1) Associate Member AGU, (2) Life time member Himalayan Geology

c. Editorial Board: --NIL—

d. International/National Seminars/Workshop:

Attended HKT-2015 held at WIHG, India

AGU-2017 held at New Orleans, USA

e. External Research Fund received: One (cost: ~ 40 lakhs)

Title: “Geo-thermochronological investigation of the Lesser Himalayan Crystalline of Garhwal Himalaya implication to extrusion and duplexing models awarded as Principal Investigator (PI), sponsored by SERB, Govt. of India.”

LIST OF PUBLICATIONS (UPDATED ON MAY, 2020)

(Total Publications: 8; Citations: 138; h-index: 06; i10 index: 05)

(a) SCI Papers: Eight

1. **Singh P.**, Singhal S., Das, A.N. (2019) 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* 109, 373-390. doi.org/10.1007/s00531-019-01808-5
2. **Singh P.**, Patel, R.C., (2017) Post-emplacement exhumation history of Almora klippe of Kumaon-Garhwal Himalaya, NW-India as revealed by Fission track thermochronology, *International Journal of Earth Sciences* 106, 2189-2202.
3. Jain, AK, Malay, M., Patel, RC., **Singh P.**,...Pant NC., (2016) Tectonics and Evolution of the Himalaya. **Proceedings of the Indian National Science Academy**, 83, 1-24. [doi: 10.16943/ptinsa/2016/48469](https://doi.org/10.16943/ptinsa/2016/48469)
4. Patel, R.C., **Singh, P.**, Lal, N., (2015) Thrusting and back-thrusting as post-emplacement kinematics of the Almora klippe: Insights from Low-temperature thermochronology. *Tectonophysics*, 653, 41–51, <http://dx.doi.org/10.1016/j.tecto.2015.03.025>
5. **Singh, P.**, Patel, R.C., and Lal, N., (2012) Plio-Pleistocene in-sequence thrust propagation along the Main Central Thrust zone (Kumaon-Garhwal Himalaya, India): New thermochronological data. *Tectonophysics*, 574-575, 193–203. Doi:[10.1016/j.tecto.2012.08.015](https://doi.org/10.1016/j.tecto.2012.08.015).
6. Patel, R.C., Adlakha, V., Lal, N., **Singh, P.**, and Kumar, Y., (2011a) Spatiotemporal variation in exhumation of the crystalline in the NW-Himalaya, India: Constraints from Fission Track dating analysis. *Tectonophysics*, Vol. 504, pp 1-13. Doi:[10.1016/j.tecto.2010.11.011](https://doi.org/10.1016/j.tecto.2010.11.011)
7. Patel, R.C., Adlakha, V., **Singh, P.**, Kumar, Y., and Lal, N., (2011b) Geology, Structural and Exhumation history of the Higher Himalayan Crystallines in Kumaon Himalaya, India. *Journal of Geological Society of India*, Vol. 77, pp 47-72. Doi:[10.1007/s12594-011-0008-5](https://doi.org/10.1007/s12594-011-0008-5)
8. Patel, R.C., Sinha,H.N., Kumar, A., **Singh, P.**, (2014), Basin Provenance and post-depositional thermal history along the continental P/T boundary of the Raniganj Basin, eastern India: Constraints from apatite fission track dating, *Journal of Geological Society of India*. 83(4), 403-413.

(b) Non-SCI Articles NIL

(c) Chapter in Books: Two (with google scholar citations)

1. **Singh P.**, Aliba Ao, S. S. Thakur, Shruti Rana, R. Sharma, A. K. Singh, S. Singhal (2020) Geology, Structural, Metamorphic and Mineralization studies along the Mandi-Kullu-Manali-Rohtang section of Himachal Pradesh, NW-India. In: **Mukherjee S. (Ed) Structural Geology & Tectonics Field Guidebook. Springer Nature Switzerland AG. Place/city of publication. pp. XX. ISBN: YY.**

2. **Singh P.**, (2020) Structural field photographs with detail caption and interpretation in *Atlas of Structural Geology published by springer book*.

(d) Books-authored/Edited volume: NIL

(e) Extended abstract published: Five (with google scholar citations)

1. **Singh, P.** (2017), Tectonics implications of U-Pb (Zircon) Geochronology of the Chor Granitoids of the Lesser Himalaya, Himachal Pradesh, NW-India, Poster presentation in AGU annual fall meeting 2017 on 11-15th Dec. 2017.
2. **Singh P.**, and Patel R.C., (2015), Formation of Main Boundary Thrust (MBT) and its role in exhumation of the Amritpur granite in Kumaon Himalaya, Poster Presentation in 30th HKT held at WIHG on 6-8th Oct. 2015.
3. Patel, RC., **Singh P.**, Lal N., (2012) Plio-Quaternary exhumation history of the Garhwal-Kumaon Himalayas, NW-India: An analysis on low-temperature thermochronological data, The 27th Himalaya-Karakoram-Tibet Workshop (HKT), pp.136-138.
4. **Singh, P.**, (2010), Plio-Quaternary Exhumation of Higher Himalayan Crystalline along the Pindari River, NW India: Constrained from Apatite Fission track analysis. Poster presentation in Indian Geophysical Union (IGU) held at Osmania University, Hyderabad, from 8 – 10th December 2010 and **gets 3rd prize as best poster in the conference.**
5. Patel,R.C., Adlakha, V., **Singh, P.**, and Lal, N., (2010) Tectonic Control on the late stage exhumation of the Higher Himalayan Crystalline, Northeast Himalaya: Constraints from fission track data, Poster presentation in 25th HKT held at San Francisco (USA) from 3rd to 7th June 2010.

(f) Reports/Other Documents: Two

1. Annual Progress report of Institute project for years 2015-2017, 2017-2020
2. Annual progress report of sponsored project on yearly basis, submitted to SERB, New Delhi.

(g) Articles in Proceeding Volumes: One (with google scholar citations)

1. Patel, RC., **Singh P.**, Lal N., (2012) Plio-Quaternary exhumation history of the Garhwal-Kumaon Himalayas, NW-India: An analysis on low-temperature thermochronological data, Journal of Nepal Geological Society, Vol. 45, (Sp. Issue) 136-138.