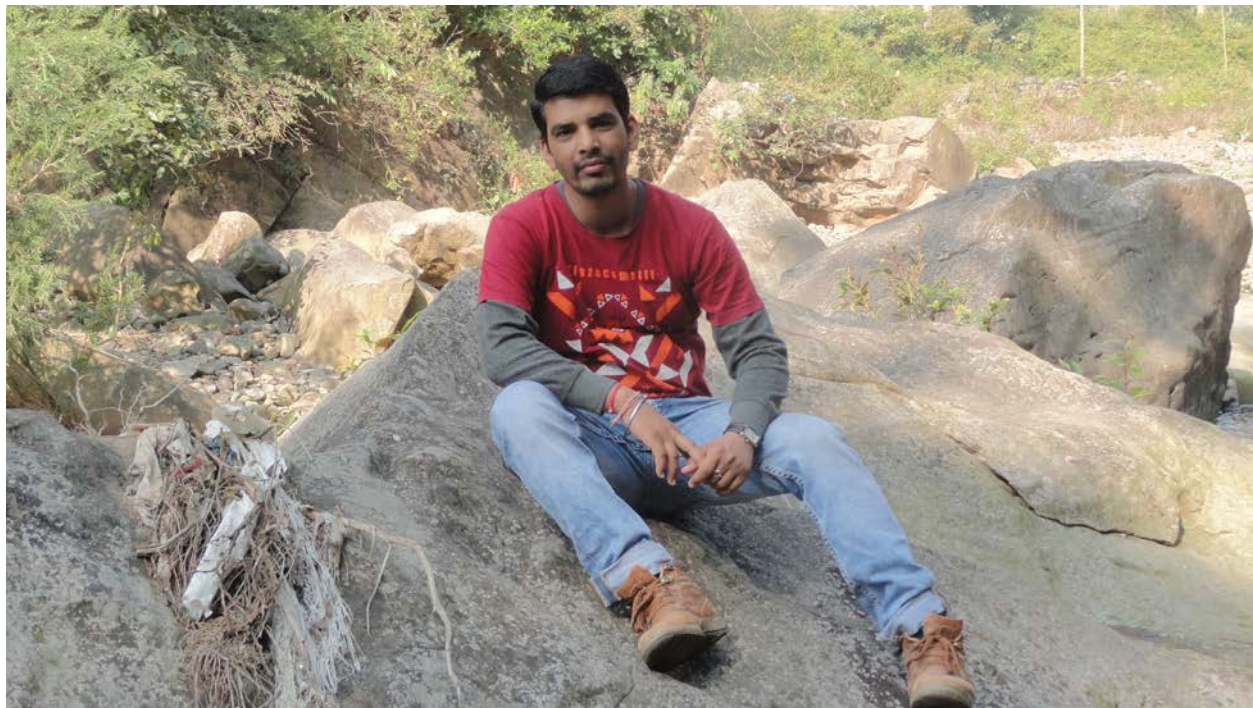


## **DR. PARAMJEET SINGH, WIHG, DEHRADUN, INDIA**



### **Google Scholar Page:**

Google scholar: <https://scholar.google.com/citations?hl=en&user=MAwndXAAAAAJ>

Research gate: [https://www.researchgate.net/profile/Paramjeet\\_Singh12](https://www.researchgate.net/profile/Paramjeet_Singh12)

**RESEARCH GROUP:**                      **ACTIVITY 1A (PETROLOGY AND GEOCHEMISTRY)**

**FIELD OF SPECIALIZATION:**      **GEO-THERMOCHRONOLOGY (FISSION TRACK  
THERMOCHRONOLOGY, EXHUMATION OF MOUNTAIN  
BELTS, U-Pb (ZIRCON) GEOCHRONOLOGY,  
GEOCHEMISTRY)**

### **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. Central/State govt departments/Adhoc basic**

- |  |                     |
|--|---------------------|
| 1. DS Kothari Post-Doctoral Fellowship (UGC, Govt. of India) | <b>2014-2015</b>    |
| 2. Scientist 'B', WIHG Dehradun, (Central Govt. Institute)   | <b>2015-2020</b>    |
| 3. Scientist 'C' WIHG Dehradun, (Central Govt. Institute)    | <b>2020-present</b> |

**b. Supervision/Guidance to Ph.D. Students: ongoing: Two**

**c. Membership: Two**

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

**d. Editorial Board: --NIL—**

**e. International/National Seminars/Workshop:**

- **Attended HKT-2015 held at WIHG, India** **4-7<sup>th</sup> Oct., 2015**
- **AGU-2017 held at New Orleans, USA** **10-14<sup>th</sup> Dec., 2017**

**f. 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."

**g. Awards/Honors/Fellowships:**

1. DS Kothari Post-Doctoral Fellowship (UGC, Govt. of India) **2014**
2. Senior Research Fellow (SRF) (CSIR, Govt. of India) **2012**
3. Junior Research Fellow (JRF) (SERB, Govt of India) **2009**
4. University Research Scholarship (URS) (Kurukshetra University) **2008**

**LIST OF PUBLICATIONS (UPDATED ON APRIL, 2022)**

**(Total Publications: 16; Citations: 282; h-index: 07; i10 index: 07)**

**(a) SCI Papers: 16**

1. **Singh, P.**, Sethy, P.C., Singh, A.K., Singhal, S., Maurya, A.K., Giri, S.R., (2022, in revision) Geochemistry and U-Pb zircon geochronology of the Jutogh Thrust sheet, Himachal Pradesh, NW-Himalaya: Implications to the petrogenesis and regional tectonic setting, *Geological Journal* 2022.
2. **Singh P.** Patel R. C., (2022 in revision), Miocene to Pliocene exhumation of the Lesser Himalaya and Provenance of the Siwalik sediments in the Kumaun Region, NW-Himalaya: Insights from detrital Fission-Track Thermochronology, *Terra Nova*, 2022.
3. **Singh P.** Patel R. C., (2022), Miocene development of MBT, Ramgarh Thrust and exhumation of lesser Himalayan rocks of Kumaun-Garhwal region, NW-Himalaya (India): insights from Fission Track Thermochronology, *Journal of Asian Earth Sciences* Vol. 224, pp. 104987
4. **Singh P.**, Patel, RC, Chaudhary SK (2022) Fission Track Thermochronology basic fundamentals, Technique and its Geological Application: A case study from Kumaun-Garhwal Himalaya, *Himalayan Geology*, Vol. 43(1A) pp.96-110.
5. **Singh, P.**, Sethy, PC., Rastogi, H., Singh, MR., Singh, AK., Thakur, SS., Singhal S., (Accepted) Geological field observations along the Pandoh Syncline: the Mandi-Kataula-

Bajaura section of Himachal Pradesh, NW-India Chapter in S. Mukherjee edited *Structural Geology & Tectonics FieldGuidebook (Vol. 2) ISBN 978-3-030-60142-3*

6. **Singh, P.**, Aliba Ao, S. S. Thakur, Shruti Rana, R. Sharma, A. K. Singh, S. Singhal (2021) Geology, Structural, Metamorphic and Mineralization studies along the Mandi-Kullu-Manali-Rohtang section of Himachal Pradesh, NW-India, in in edited volume by S. Mukherjee *Structural Geology & Tectonics Field Guide (Vol. 1) ISBN 978-3-030-60142-3 pp.437-460*
7. **Singh, P.**, (2020) Contribution of Field Photographs in *Atlas of Structural Geology in S. Mukherjee edited books ISBN:978-0-12-816802-8* (Elsevier Publication)
8. **Singh P.**, Singhal S., 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* 109, 373-390. [doi.org/10.1007/s00531-019-01808-5](https://doi.org/10.1007/s00531-019-01808-5)
9. **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.
10. 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)
11. 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>

12. **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).
13. 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.
14. 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)
15. 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)
16. 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: Three (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: ISBN 978-3-030-60142-3.**

2. **Singh, P.**, Sethy, PC., Rastogi, H., Singh, MR., Singh, AK., Thakur, SS., Singhal S., (Accepted) Geological field observations along the Pandoh Syncline: the Mandi-Kataula-Bajaura section of Himachal Pradesh, NW-India Chapter in S. Mukherjee edited *Structural Geology & Tectonics Field Guidebook (Vol. 2) ISBN 978-3-030-60142-3*
3. **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 11-15<sup>th</sup> 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 30<sup>th</sup> HKT held at WIHG on 6-8<sup>th</sup> 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 27<sup>th</sup> 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 – 10<sup>th</sup> December 2010 and **gets 3<sup>rd</sup> 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 25<sup>th</sup> HKT held at San Francisco (USA) from 3<sup>rd</sup> to 7<sup>th</sup> 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. **Proceedings of the Indian National Science Academy**, 83, 1-24.