



Google Scholar Page: <https://scholar.google.com/citations?user=fzpORZ4AAAAJ&hl=en>

RESEARCH GROUP: BIOSTRATIGRAPHY

Field of SPECIALIZATION: Paleoclimatology, Tree-ring analysis, Dendroclimatology

EDUCATION:

Ph.D. 2003, Geology, University of Lucknow, Lucknow

M.Sc. 1995, Geology, University of Lucknow, Lucknow

PROFESSIONAL EXPERIENCE:

Scientist-E, WIHG, Dehradun (September 2019)

Scientist-D, WIHG, Dehradun (July 2015)

Scientist-C, WIHG, Dehradun (July 2011)

VISITING POSITIONS:

- Post Doctoral Research Fellow, Greifswald University, Greifswald, Germany (2007-09)
- Special Researcher, Chungbuk National University, South Korea (2004-05)

TEACHING EXPERIENCE: N.A.

SERVICES:

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

1. Tanupriya Rastogi (under supervision)

Supervision/Guidance to M.Sc. thesis

2020

1. Akanksha Jain, Guru Gobind Singh Indraprastha University, Delhi (under supervision)

2016

2. Latika Pandey, Environment Management, Forest Research Institute (Deemed) University, Dehradun

b. Training:

Supervision/Guidance to Summer Trainee

2019

- 1 Jishnu P.A., Department of Marine Science, Bharathidasan University, Tiruchirappalli, TamilNadu
- 2 Nadia Khatoon Naqvi, Department of Geology, Aligarh Muslim University, Aligarh
- 3 Rinu Fathima, Department of Earth Sciences, Pondicherry University, Puducherry
- 4 Rohit Singh Rana, Department of Geology, Panjab University, Chandigarh

2018

- 5 Srinanda Nath, IIT, Kharagpur

2016

6. Ashish Kumar Tiwari, IIT Bhubaneswar
7. Vijay, Kurukshetra University, Kurukshetra

2015

8. Tariq Abdul Kareem, Applied geology, University of Madras, Chennai.

2013

9. Priyanka Sehgal, Environmental Studies, Doon University, Dehradun

c. Teaching: N.A.

d. Membership: N.A.

e. Editorial Board: N.A.

f. International/National Seminars/Workshop: N.A.

g. External Research Fund received & Project Handled: N.A.

h. Member of important Committees: (WIHG Committees)

- Member of Junior Purchase committee since (November 2017 - 2019)
- Member of High purchase committee (01.08.2015 to Aug 2016)
- Member of Library physical verification committee (2016)
- Member of Institute's consumables physical verification committee (2016)

AWARDS/FELLOWSHIPS/HONORS/MEMORIAL LECTURES:

a. Awards/Medals/Prizes: N.A.

b. Fellowships:

- Post Doctoral Research Fellowship, sponsored by the Sofja Kovalevskaja Award of Dr. Martin Wilmking, granted by the Alexander von Humboldt Foundation, Germany.
- International Scholar Exchange Fellowship 2004-2005 of the Korea Foundation for Advanced Studies, South Korea.

c. Memorial Lectures: N.A.

d. Recognition/Honors: N.A.

COUNTRIES VISITED:

South Korea, Germany

NATIONAL/INTERNATIONAL (outside WIHG) COLLABORATION: Dr. R.R. Yadav, Birbal Sahini Institute of Palaeosciences, Lucknow (upto January 2016)

Inside WIHG Collaborator: Dr. R.R. Yadav (CSIR- Emeritus Scientist), Dr. Nilendu Singh (Centre for glaciology).

PATENT: N.A.

SCHOLARSHIPS AWARDED, GATE: N.A.

PH.D. ADVISOR: N.A.

LIST OF PUBLICATIONS

(a) SCI Papers

1. **Singh J.**, Singh N., Chauhan P., Yadav R.R., Bräuning A., Mayr C., Rastogi T. 2019. Tree-ring $\delta^{18}\text{O}$ records of abating June-July monsoon rainfall over the Himalayan region in the last 273 years. *Quaternary International*, 532, 48-56. <https://doi.org/10.1016/j.quaint.2019.09.030> (*Impact factor 1.952*).
2. Yadava A. K., Sharma Y. K., Dubey B., **Singh J.**, Singh V, Bhutiyani M. R., Yadav R. R., Misra K. G. 2017. Altitudinal treeline dynamics of Himalayan pine in western Himalaya, India. *Quaternary International*, 444, 44-52. [DOI:org/10.1016/j.quaint.2016.07.032](https://doi.org/10.1016/j.quaint.2016.07.032) (*Impact factor 1.952*).
3. Singh, V., Yadav R. R., Gupta A. K., Kotlia B. S., **Singh J.**, Yadava A. K., Singh A. K., Misra K. G. 2017. Tree ring drought records from Kishtwar, Jammu and Kashmir, northwest Himalaya, India. *Quaternary International*, 444, 53-64. [DOI: org/10.1016/j.quaint.2016.09.031](https://doi.org/10.1016/j.quaint.2016.09.031) (*Impact factor 1.952*).
4. Agnihotri R., Dimri A.P., Joshi H.M., Verma N.K., Sharma C., **Singh J.**, Sundriyal Y.P. 2017. Assessing operative natural and anthropogenic forcing factors from long-term climate time series of Uttarakhand (India) in the backdrop of recurring extreme rainfall events over northwest Himalaya. *Geomorphology*, 284, 31-40. <http://dx.doi.org/10.1016/j.geomorph.2016.10.024> (*Impact factor 3.681*).
5. Yadava A. K., Braeuning A., **Singh J.** and Yadav R. R., 2016. Boreal spring precipitation variability in the cold arid western Himalaya during the last millennium, regional linkages, and socio-economic implications. *Quaternary Science Reviews*, 144, 28-43. (*Impact factor 4.641*).

6. Yadava A. K., Yadav R. R., Misra K. G., **Singh J.** and Singh D. 2015. Tree ring evidence of late summer warming in Sikkim, northeast India. *Quaternary International*, 371, 175-180. (**Impact factor 1.952**).
7. Tiwari, S. K., Singh, R. K., **Singh, J.**, Gupta, A. K., Bartarya S. K. and Rai S. K. 2015. Impact of limestone mining activities on major ion geochemistry of Krem Mawkhyrdop water, Meghalaya, India. *Himalayan Geology*, 36 (1), 74-80. (**Impact factor 0.314**).
8. **Singh J.** and Yadav R. R. 2014. February-June temperature variability in western Himalaya, India, since AD 1455. *Quaternary International*, 349, 98-104. <http://dx.doi.org/10.1016/j.quaint.2014.06.066> (**Impact factor 1.952**).
9. **Singh J.** and Yadav R. R. 2014. Chir pine ring-width thermometry in western Himalaya, India. *Current Science*, 106, 735-738. (**Impact factor 0.756**).
10. **Singh J.** and Yadav R. R. 2013. Tree-ring-based seven century long flow records of Satluj River, western Himalaya, India. *Quaternary International*, 304, 156-162. DOI: 10.1016/j.quaint.2013.03.024 (**Impact factor 1.952**).
11. **Singh J.** and Yadav R. R. 2012. Application of tree-ring data in development of long-term discharge of River Satluj. *Current Science*, 103, 1452-1454. (**Impact factor 0.756**).
12. Gurskaya M., Hallinger M., **Singh J.**, Agafonov L. and Wilmking M. 2012 Temperature reconstruction in the OB River valley based on ring widths of three coniferous tree species. *Dendrochronologia*, DOI: 10.1016/j.dendro.2012.04.002 (**Impact factor 2.281**).
13. Yadav R. R., Braeuning A. and **Singh J.**, 2011. Tree ring inferred summer temperature variations over the last millennium in western Himalaya, India. *Climate Dynamics*, 36, 1545–1554, DOI 10.1007/s00382-009-0719-0. (**Impact factor 4.619**).
14. **Singh J.** Yadav R. R. and Wilmking M. 2009. A 694 year tree-ring based rainfall reconstruction from Himachal Pradesh, India. *Climate Dynamics*. DOI 10.1007/s00382-009-0528-5. (**Impact factor 4.048**).
15. **Singh J.** and Yadav R. R. 2007. Dendroclimatic potential of millennium-long ring-width chronology of *Pinus gerardiana* from Himachal Pradesh, India. *Current Science*, 93, 833- 836. (**Impact factor 0.756**).
16. Yadav R. R., **Singh J.**, Dubey B. and Mishra K. G. 2006. A 1584-year ring width chronology of Juniper from Lahul, Himachal Pradesh: Prospects of developing millennia long climate records. *Current Science*, 90, 1122-1126. (**Impact factor 0.756**).
17. **Singh J.**, Park W.-K., and Yadav R. R. 2006. Tree-ring-based hydrological records for western Himalaya, India, since A.D. 1560. *Climate Dynamics*, DOI: 10.1007/s00382-005-0089-1. (**Impact factor 4.048**).
18. **Singh J.** and Yadav R. R. 2005. Tree-ring evidences of temperature fluctuations in western Himalaya, India. *Special publication of the Palaeontological Society of India*, 2, 213-217.

19. **Singh, J.** and Yadav, R. R. 2005. Spring precipitation variations over the western Himalaya, India since AD 1731 as deduced from tree-rings. *Journal of Geophysical Research*, 110, D01110, doi:10.1029/2004JD004855. (*Impact factor 3.63*).
20. Yadav, R. R., Park, W. K., **Singh, J.**, and Dubey B. 2004. Do the western Himalayas Defy Global Warming?. *Geophysical Research Letters*, 31, L17201, doi:10.1029/2004GL020201. (*Impact factor 4.58*).
21. Yadav, R. R., **Singh, J.**, Dubey B. and Chaturvedi R. 2004. Varying strength of relationship between temperature and growth of high-level fir at marginal ecosystems in western Himalaya, India. *Current Science*, 86, 1152-1156. (*Impact factor 0.756*).
22. **Singh, J.**, Yadav, R. R., Dubey, B. and Chaturvedi, R. 2004. Millennium-long ring-width chronology of Himalayan cedar from Garhwal Himalaya and its potential in climate change studies. *Current Science*, 86, 590-593. (*Impact factor 0.756*).
23. Dubey, B., Yadav, R. R., **Singh, J.** and Chaturvedi, R. 2003. Upward shift of Himalayan Pine in western Himalaya, India. *Current Science*, 85, 1135-1136. (*Impact factor 0.756*).
24. Yadav, R. R. and **Singh, J.** 2002. Tree-ring analysis of *Taxus baccata* from the western Himalaya, India, and its dendroclimatic potential. *Tree-Ring Research*, 58, 23-29. (*Impact factor 1.12*).
25. Yadav, R. R. and **Singh, J.** 2002. Tree-ring-based spring temperature patterns over the past four centuries in western Himalaya. *Quaternary Research*, 57, 299-305. (*Impact factor 2.133*).
26. **Singh, J.** and Yadav, R. R. 2000. Tree-ring indications of recent glacier fluctuations in Gangotri, western Himalaya, India. *Current Science*, 79, 1598-1601. (*Impact factor 0.756*).

(b) Non-SCI Articles

27. Wilmking M., **Singh J.** 2008. Eliminating the “Divergence Effect” at Alaska’s northern treeline *Climate of the Past Discussion*, 4 (3), 741-759.

(c) Chapter in Books : N.A.

(d) Books-authored/Edited volume: N.A.

(e) Abstract volume: N.A.

(f) Reports/Other Documents: N.A.

(g) Articles in Proceeding Volumes

28. Yadav R. R., **Singh J.**, Dubey B. and Mishra K. G. 2006. Hydrological variations in Lahul-Spiti, Himachal Pradesh, India during the past 800 years as inferred from tree rings. *Proceedings of the Conference on Disaster Management: Role of Meteorology and Allied Disciplines*. Birla Institute of Technology, Mesra, Pilani, April 8-9, 2005. Pp139-147.