

DR. PRADEEP SRIVASTAVA

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Qualification

Ph.D (Geology), 1999, Lucknow University, Lucknow, under the supervision of Prof. I.B. Singh. Dissertation "Sedimentology and Geomorphology of Interfluvial Areas of Central Ganga Plain."

M.Sc. (Geology), 1993, I Div. Lucknow University, Lucknow

Date of Birth 15th March 1971

Research Interests

Fluvial Geology, Paleoclimate, Neotectonics, Himalaya & Luminescence dating

Professional Experience

1. Scientist, Wadia Institute of Himalayan Geology, India, since September 2005.

Work involves the understanding of climate-tectonic interaction in the crustal deformation along Himalaya. Fluvial geomorphology along the major rivers like, Indus, Spiti, Bhagirathi, Alaknanda, Kameng, Subansiri and Brahmaputra coupled with facies analysis and luminescence dating utilized to trace back the aggradational and incision history of these rivers.

2. Post Doctoral Research Associate, University of Georgia, USA, Dec 2001-Aug 2005

The NSF funded project dealing with palaeoclimate of Namibia using relict fluvial sediments and OSL dating (PI: Dr. George A. Brook). The work involved sedimentological and geomorphologic analysis and luminescence dating of sediments in the valleys of westerly flowing rivers in a Hyper arid Namib and Kalahari deserts.

3. Research Associate, Indian Institute of Technology, India, April 2001- November 2001.

Responsibilities included setting up and managing the OSL dating lab and working on the paleosol sequences of Alluvial fans located on Himalayan foothill. Dating of Fault gouges and evaluation of neotectonic activity in the outer Himalayas was another important project (PI: Dr. B. Parkash) in which I was involved.

4. Post Doctoral Fellow, Physical Research Laboratory, India, January 1999- March 2001

Work involved establishment of Late Quaternary morphostratigraphy of Indo-Gangetic Foreland basin using remote sensing and field oriented data and OSL Dating. The results helped to understand the relative role of climate and tectonics in geomorphic evolution of these plains. (Supervisor: Prof. Ashok K. Singhvi).

5. Junior Research Fellow, University of Lucknow, India, January 1997- December 1998

The research work involved understanding of sedimentologic and geomorphic evolution of interfluvial areas in central Ganga Plain using field mapping of sedimentary sequences, remote sensing data, topographical maps, grain size and pipette analysis (Supervisor: Prof. I.B. Singh).

Field studies

- 1. Gangetic Foreland Basin, India:** Extensive field based experience in whole Gangetic Plains. The work involved facies analysis, fracture mapping and sampling of cliff sections and understanding the modern fluvial environment along various longitudinal (e.g. Ganga and Yamuna rivers) and transversely flowing (e.g. Gandak, Ghaghara rivers) rivers. Various field sessions involved in studying facies architecture of point and braid bars of major rivers like Ganga and Gandak. Few field excursions were also made to investigate various archaeological sites of Ganga Plain when we discovered world largest fossilized tusk of an Asiatic elephant.
- 2. Himalaya, India:** Involved in the understanding of climate tectonic interaction in fluvial aggradation and incision in NE (Brahmaputra river exit) and NW (Indus, Bhagirathi-Alaknanda, Spiti) Himalayas. Contributed to paleoglaciation and past flood hazard history of Himalaya as well
- 3. Thar Deserts, India:** Worked on river terraces of Sabarmati River flowing through the margin of Thar Deserts, India. This work involved facies analysis of relict as well as modern sediment of Sabarmati. Various terraces were studied for their micro-geomorphology and their inter-relationship.
- 4. Namib Deserts, Namibia:** Spent two field seasons in Namibia, working on relict sediments of various westerly flowing rivers viz. Khumib, Hoarusib, Omaruru, Swakop, Kuiseb and Tschachab. The work involved facies analysis and sample collection for chronometric and understanding evolution of fluvial landscape vis-à-vis paleoclimate. Various sections of raised marine beaches near Walvis Bay were also studied.
- 5. Lake Ngami, Botswana:** Detailed sedimentological and geomorphic investigations are done in an around Lake Ngami area near Toteng during ten days field session. Various river sections were also studied along Nchabe and Kunieri rivers.
- 7. Riverine Plains of SE United States:** Detailed sedimentological and geomorphological studies were undertaken during a week long field excursion covering the riverine plains of Carolinas and SE Georgia. The objective was to understand the morpho-hydrologic response to changing Late Pleistocene-Holocene Climate in the region.

Past and present collaborations

- Prof. Bob Wasson, Australian National University, Quaternary Landscape evolution and extreme floods in Himalaya. Email: wasson.robertj@gmail.com

- Prof. Alan Ziegler, National University of Singapore, on Extreme floods and paleohydrology. Email: thaihawk@gmail.com
- Dr Kristin Morell, University of California, Santa Barbara, USA on neotectonics. Email: kmorell@ucsb.edu
- Prof. Rasmus Theide, Keil University, Germany, on neotectonic evolution of Himalaya. Email: rasmus.thiede@ifg.uni-kiel.de
- Prof. George A Brook, University of Georgia, USA. Email: gabrook@uga.edu
- Dr. Eugene Marais, National Museum, Windhoek, Namibia. On Quaternary of Namib Desert. Email: insects@natmus.cul.na
- Prof. Anthony Dossetto, Erosion vis-à-vis Climate in Himalaya, University of Wollongong, Australia. Email: tonyd@uow.edu.au

Awards and Honors

- * Anni Talwani Gold Medal-2019, Indian Geophysical Union
- * National Geoscience Award-2011, Ministry of Mines, Govt of India.
- * M.S. Krishnan Gold Medal-2011 by Indian Geophysical Union, India
- * S.S. Merh Award (2010) of the Geological Society of India for excellence on Quaternary Research in India
- * G.K. Gilbert Award for excellence in geomorphological research from AAG-Geomorphology Specialty Group, United States (2007).
- * Most cited paper award by Palaeo-3 of Elsevier (2007)
- * Best Paper Award of Wadia Institute of Himalayan Geology for 2008 and 2009, 2010.
- * Travel award from Council of Scientific and Industrial Research (CSIR) and Department of Science and Technology (DST), New Delhi, India to visit China to attend an international conference (August, 2000).
- * Junior Research Fellowship of Council of Scientific and Industrial Research (CSIR), Ministry of Human Resource Development, Govt. of India, New Delhi (January, 1996-Dec. 2000)

Ph.D. supervision and other Administrative Experience

1. Ph.D. Students supervised

- Dr. Poonam Chahal (2019)**
Thesis title: Late Pleistocene Landscape of Zaskar River Valley (Ladakh Himalaya): Implications to sediment storage and river connectivity.

Supervisors: Dr Pradeep Srivastava, Prof. YP Sundriyal
HNB Garhwal University, Srinagar
- Dr. Rupa Ghosh (2019)**
Thesis title: Late Quaternary Geological Evolution of Yamuna River Valley, Marginal Ganga Plain in the Himalayan Foreland setup.

Supervisors: Dr Pradeep Srivastava and Prof. Umakant Shukla, Banaras Hindu University, Varanasi

iii. **Dr. Anil Kumar (2018)**

Thesis Title: Late Quaternary landscape evolution along the Indus River: response to the climate and tectonics of Ladakh Himalaya.

Supervisor: Pradeep Srivastava; Co-supervisor Dr. KS Mishra
University of Petroleum and Energy Studies, Dehradun

iv. **Dr. Dipti Sharma (2017)**

Thesis Title: Paleoclimatic reconstruction and past landslide activity in Alaknanda-Mandakini Valley, Submitted to HNB Garhwal University, Srinagar in February, 2017.

Supervisor: Prof. YP Sundriyal; Co-Supervisor: Pradeep Srivastava
HNB Garhwal University, Srinagar

v. **Dr. Shipra Choudhary (2012)**

Thesis Title: Late Quaternary Evolution of Alaknanda Valley in the vicinity of North Almora Thrust.

Co-Supervisor Pradeep Srivastava; Supervisor: Prof. YP Sundriyal
HNB Garhwal University, Srinagar

vi. **Dr Yogesh Ray (2011)**

Thesis title: Late Quaternary aggradation and incision phases in upper reaches of Ganga River system: implications to climate-tectonic Interaction.

Supervisors: Dr Pradeep Srivastava, Prof. YP Sundriyal

2. Member, Academic Program Committee of the Wadia Institute (from August 2008 to Nov 2009). The main duties incorporate (1) monitoring overall academic progress including annual review of institute's Research students, (2) conducting in-house lecture series.
3. Took Geomorphology classes of Master's students at University of Georgia as fill-in-faculty of Prof. George Brook in 2004.
4. Take coarse work classes in Sedimentology and basics of Himalayan Geology for Ph.D. Students at WIHG

Invited Talks and Presentations

1. Himalaya as a critical taper: a Quaternary perspective. Training program on Quaternary Geology, Geological Survey of India, NR, 26th August 2020
2. Floods and Geology of Himalaya. Training program @ Geological Survey of India, 27th August 2020.
3. Flood Disaster in Himalaya. 4th Refresher Online Course in Environmental Studies, JNU, New Delhi, September 16th, 2020.
4. Flood History of Himalaya: a Geologist's perspective. International Conference Geoscientific Research during COVID-19: Challenges & Advances. Department of Earth Sciences, Assam University, Silchar; 10th December 2020

5. Geology of Past and Present Floods in Himalaya. International Conference on Paleoclimate changes (ICPC – 2020), 9-10th July, 2020. Vellore Institute of Technology (VIT), Chennai.
6. Flood Records of Himalaya, National Geo-research Scholar's Meet, June 2019, WIHG, Dehradun
7. Paleoflood Records of Ladakh Himalaya Presented at International Quaternary Union Dublin, Ireland to 23-30th July 2019
8. Geology of Floods in Himalaya, Indian geophysical union convention, 14th October 2019. National Geophysical Research Institute, Hyderabad
9. Invited talk, Neotectonic Evolution of Himalaya, 31st August 2019. Association of Petroleum Geologist Lecture series, ONGC Dehradun.
10. Invited talk, Neotectonic Evolution of Himalaya. 8th December 2019 in Luminescence Dating Workshop, National Geophysical Research Institute, Hyderabad
11. Invited talk, Geology of extreme hydrological events in Himalaya, Birbal Sahni Institute of Palaeosciences, Lucknow, 18th November 2019
12. Invited talk on Late Pleistocene-Holocene flood and human (?) imprints in Ladakh in the workshop on "An Integrative Platform for Research on the Reconstruction of the Past in India, organized by University of Chicago and Birbal Sahni Institute of Palaeosciences at Leh, 9th July 2019
13. Invited talk Extreme Events and Holocene Floods: records from Garhwal Himalaya, NASI-UCOST workshop organised by UCOST Dehradun on 11th June 2019.
14. Neotectonic Evolution of Himalaya. INQUA Executive Committee meeting at National Institute of Oceanography, Goa. 13 January 2019.
15. Evolution of Himalaya. INSPIRE program, HNB Garhwal University, Srinagar, 28th December 2018.
16. Feb. 2018. Large floods in Himalaya. Department of Applied Geology, University of Dibrugarh, Dibrugarh (Invited Talk)
17. 8th April, 2017. Extreme flood events in Himalaya and Holocene climatic record. DBS degree college, Dehradun. (Invited Talk).
18. Climate vulnerability and paleoflood records in Himalaya on 21 March 2017 at Administrative Training Institute, Nainital
19. Continental drift, Plate Tectonics and buildup of Himalaya, INSPIRE Program, SMVD University, Jammu, September 2016.
20. Paleoflood Records in Himalaya, 14 May, 2016, in Meeting of Indian National Science Academy, Jammu University, Jammu
21. Paleoflood Records in Himalaya. In "Future Floods: An Exploration of a Cross-Disciplinary Approach to Flood Risk Forecasting" held at the Lee Kuan Yew School of Public Policy, National University of Singapore (NUS) on 26-27 February 2015.

22. Application of luminescence dating technique in understanding fluvial landscape of Himalaya. In “Future Floods: An Exploration of a Cross-Disciplinary Approach to Flood Risk Forecasting” held at the Lee Kuan Yew School of Public Policy, National University of Singapore (NUS) on 26-27 February 2015.
23. Landslides: A perspective from Himalaya. Invited lecture at Amrita University, Kollam, Kerala. 12 December 2015.
24. Continental Drift, plate tectonics and build-up of Himalaya. Invited lecture in the INSPRE camp at HNB Garhwal University, Srinagar. 25 December 2015.
25. Paleoflood records in Himalaya. Keynote at 30th HKT workshop, 6-8 October, 2015. Wadia Institute of Himalayan Geology, Dehradun
26. A centennial scale climate record from Garhwal Himalaya. Keynote at the Neogene conference, 23-27 Feb.2016. Birbal Sahni Institute of Palaeobotany, Lucknow
27. MoES sponsored Training Program on Active Tectonics, held at MS University of Baroda, Vadodara from 21-28 December 2013. Delivered lecture as expert entitled “Fluvial landscape of Himalaya: A reflection of Active Tectonics”
28. Invited speaker at the 4th Third Pole Environment Workshop, 1-3 April 2013. Delivered talk entitled “Melting glaciers and the Ganga River since 60 ka” on 2nd April 2013, WIHG, Dehradun.
29. Invited speaker at the 78th Annual Convention of Indian Academy of Sciences, Bangalore. Talk entitled “Understanding Himalaya through the Ganga River System” 2nd November 2012, WIHG Dehradun.
30. Invited as Mentor in INSPIRE program at HNB Garhwal University, Srinagar and delivered a lecture entitled “Continental drift, plate tectonics and buildup of Himalaya” 16th December 2012.
31. Invited as Mentor in INSPIRE program at HNB Garhwal University, Srinagar and delivered a lecture on “landscape evolution” on 15th November 2011.
32. Invited lecture in the monthly meeting of Geological Society of India on 30th November 2011. Title of the talk: Himalayan Rivers: implications to climate and tectonics of Himalaya.
33. Invited to attend and present a paper in fourth Indo-American Frontiers of Science symposium to be held at Irvine, USA from 17-20 April 2011.
34. Himalayan Rivers: Responses to Past Climatic Changes. Delivered at Academic Staff College of BHU, Varanasi. 20 January 2011.
35. Himalayan Rivers and past climatic changes. Delivered at the annual convention of the Geological Society of India. October 2010.
36. An Introduction to Optically Stimulated Dating technique. Delivered as teaching faculty at Centre of Glaciology, Wadia Institute of Himalayan Geology, Dehradun. September 2010.

37. Late Quaternary fluvial responses in Himalaya and its foreland. Invited lecture at Indian Institute of Science (IISc), Bangalore. 25 March 2010.
38. Presented an invited talk entitled “Himalayan Rivers: responses to past climatic changes in Second Asia Pacific Luminescence and Electron Spin Resonance Dating (APLED-2)” Conference, 12-15 November 2009.
39. Keynote speaker of the session at the meeting of Indian Geophysical Union, October 2009.
40. Luminescence dating as a tool for Quaternary Geologist. (April, 2003), Invited Lecture in Department of Geology, University of Georgia. Athens, Georgia, USA
41. Late Quaternary geomorphic history of Gangetic Foreland Basin, India. (March, 2001), Department of Earth Sciences, Australian National University, Canberra, Australia.
42. Sedimentologic and geomorphic evolution of Interfluvial Areas of Central Ganga Plain, India. (March, 2001), Department of Geology, University of Wollongong, Australia.
43. 26th January earthquake in Bhuj, India: Nature’s wrath or Human folly. (August, 2001), Department of Geology, University of Wollongong, Australia
44. Luminescence Chronometry of Late Quaternary evolution of Gangetic plain, India. (March 2001), University of Monash, Melbourne, Australia.

Externally Funded Project

1. Co-PI of Project entitled “Geomorphology and Sedimentation History of Alaknanda valley between Saknidhar Thrust and the Alaknanda Fault, Lesser Central Himalaya, Uttarakhand” Funded by DST vide order # 187/1/2008/DST/Estt. Commencing from 1st May 2008 for three years, Rs. 24.99 Lacs. Completed
2. PI: Received funding of Rs. 3.19 Lacs from Indo-US Science and Technology Forum, New Delhi on competitive basis to sponsor the travel of US Delegates in the conference (MBCT-2008) convened by me. Completed
3. PI: of the project funded for the “Field workshop on Quaternary setup of Arid NW Himalaya: Main focus on Ladakh” DST, New Delhi, 2012 Rs. 22 Lacs. Completed
4. PI: Received Rs. 4 Lacs from MoES to conduct a brain storming session of high resolution paleoclimatic records from the lakes of Ganga Plain. Completed
5. Co-PI: Quaternary Landform Evolution along the Himalayan Frontal Thrust of India: Insight to the patterns of strain release along a Continental Convergent Plate Boundary. Funded by MoES: Rs. 89.68 lacs (MoES/P.O.(Geosci)/11/2013, dated 31/3/2014): completed.
6. PI: Comparative Study of weathered soil profiles developed on granitic and basaltic rocks of higher and lesser Himalaya: Implication on Climate-Tectonic interaction. Rs. 48.987 Lacs (Nov 2019 to October 2022).

Membership in scientific or professional societies and other academic services

1. Member of Science Steering Committee (SSC) of PAGES since January 2021

2. Member, PAMC-Geosciences of Ministry of Earth Sciences
3. Member, Board of Studies (BOS), Geology Department, HNB Garhwal University, Srinagar.
4. Associate Editor, Journal of the Geological Society of India
5. Member Editorial Board: Quaternary International (Elsevier)
6. Member Editorial Board: Himalayan Geology
7. Member editorial board of Himalayan Geology
8. Vice President, Association of Quaternary Researchers (AOQR)
9. Project reviewer of Department of Science and Technology, New Delhi; National Research Foundation, Pretoria, South Africa; National Science foundation, United States
10. Reviewer in journals like Geomorphology, Quaternary Science reviews, Quaternary research, Hydrological processes, Sedimentology, Current Science, Himalayan Geology, Journal of Earth System Science, Journal of Geological Society of India, Journal Paleontological Society of India
11. Member, Academic and Research Advisory Committee (ARAC) of Wadia Institute of Himalayan Geology
12. Group Head of the Sedimentology Group of WIHG (1.08.16 to 11.11.20)
13. Fellow, Geological Society of India

List of Publications (Google Citations: 2435; H-Index: 32, papers with “P. Srivastava” in **bold** indicates corresponding authorship)

Sl No	Article Title	Journal Title	Author & Co Authors
1	Late Pleistocene-Holocene flood history, flood-sediment provenance and Human imprints from the upper Indus River catchment, Ladakh Himalaya.	Bull. Geol. Soc. of America 2021 (in press)	Pankaj Sharma, Poonam Chahal, A. Kumar, Saurabh Singhal, Y.P. Sundriyal, Alan Ziegler, Bob Wasson, Pradeep Srivastava
2	Establishing primary surface rupture evidence and magnitude of the 1697 CE Sadiya earthquake at the Eastern Himalayan Frontal thrust, India	Scientific Reports, 2021, 11(879), 1-20	A Pandey, R Jayangondaperumal, Hetényi György, Singh Ishwar Rao Singh Priyanka, Pradeep Srivastava, Srivastava HB
3	Rapid lake level fall in Pangong Tso (lake) in Ladakh, NW Himalaya: a response of late Holocene aridity	Curr Science, 2020, 119, 219-231	Pradeep Srivastava , Anil Kumar, R Singh, Oshin Deepak, Arjit Kumar, Yogesh Ray, R Jayangondaperumal, Binita Phartiyal, Poonam Chahal, Pankaj Sharma, Rupa Ghosh, Naresh Kumar, Rajesh Agnihotri
4	Evidence for late Quaternary brittle deformation and back thrusting within the Indus Suture Zone, Ladakh Himalaya	Tectonophysics, 2020, 792, 228597	A Kumar, P Srivastava , Sen. K., Morell, K., Hazarika, D.
5	A Preliminary assessment of the	Journal of	Poonam Chahal, Anil Kumar,

	geological evidence of Mega-floods in the Upper Zaskar catchment, NW Himalaya	Palaentological Society of India, 2020, 65, 64-72	Pankaj Sharma, YP Sundriyal, Pradeep Srivastava
6	Chronology and sediment provenance of extreme floods of Siang River (Tsangpo-Brahmaputra river valley), NE Himalaya	Earth Surface Processes and Landforms, 2020, 45, 2495–2511	S Panda, A Kumar, A. Das, R Devrani, SK Rai, K. Prakash, P Srivastava
7	The Geodynamic Evolution of the Indian Subcontinent-An Introduction	Episodes, 2020, 43, 7-18	Fareeduddin, NC Pant, Saibal Gupta, Partha Chakraborty, Sarajit Sensarma, AK Jain, GVR Prasad, Pradeep Srivastava , S Rajan, VM Tiwari
8	Landscape Evolution of Rivers in the Ganga Plain and Himalaya	Proc. Indian Nat. Science Academy, 2020, 86, 369-377	Pradeep Srivastava
9	Late Quaternary sedimentation history of the Himalaya and its foreland.	Episodes Journal of International Geoscience, 2020. 43(1), pp.498-510.	Kumar, A., Ray, Y., Ghosh, R., Bandyopadhyay, S., Singh, V., Srivastava, P.
10	Landscape Evolution of Rivers in the Ganga Plain and Himalaya	Proc Indian Natn Sci Acad, 2020, 86, 369-377	Pradeep Srivastava
11	Using clast geometries to establish paleo-river discharges: Testing records for aggradation and incision from the upper Indus River, Ladakh Himalaya.	Geomorphology, 2020.p.107202.	Kumar, A., Srivastava, P. and Devrani, R.
12	High resolution climatic (monsoonal) variability reconstructed from a continuous ~2700 year sediment record from Northwest Himalaya (Ladakh)	The Holocene 30 (3): 441-457 (2020)	Pankaj Sharma, Rawat, S., Srivastava, P. , Meena, N., Agnihotri, R., Kumar, A., Chahal, P., Gahlaud, SKS, Shukla, U.K.
13	Late Pleistocene history of aggradation and incision, provenance and channel connectivity of the Zaskar River, NW Himalaya	Global and Planetary Change 178, 110-128 (2019)	Chahal, P., Kumar, A., Sharma, P.C., Singhal, S., Sundriyal, Y.P. Srivastava, P
14	100 kyr sedimentary record of Marginal Gangetic Plain: implications for forebulge tectonics	Palaeogeography, Palaeoclimatology, Palaeoecology 520, 78-95 (2019)	Rupa Ghosh, Srivastava. P. , U.K. Shukla, R. K. Sehgal, I. B. Singh
15	Late quaternary fluvial incision and aggradation in the Lesser Himalaya, India	Quat. Science Reviews (2018) 197:112-28	Dosseto, A., May, J.H., Choi, J.H., Swander, Z.J., Fink, D., Korup, O., Hesse, P., Singh, T., Mifsud, C. and Srivastava, P.
16	Late Quaternary glaciations history of Monsoon dominated	Quat Science Reviews 181, 43-64	Shukla, T., Mehta, M., Jaiswal, M., Srivastava, P.,

	Dingad basin, central Himalaya, India	(2018)	Dobhal, D.P., Nainwal, H.C., Singh, A.K.
17	8000-year monsoonal record from Himalaya revealing reinforcement of tropical and global climate systems since mid-Holocene	Scientific Reports 7: 14515 (2017)	P Srivastava , R. Agnihotri, D Sharma, N Meena, Y.P Sundriyal, A. Saxena, R. Bhushan, R. Sawlani, Upasana S. Banerji, C. Sharma, P. Bisht, N. Rana, R.Jayangondaperumal
18	Earliest Dates of Microlithic Industries (42–25 ka) from West Bengal, Eastern India: New Light on Modern Human Occupation in the Indian Subcontinent	Asian Perspectives 56, 237-59 (2017).	Basak B, Srivastava P.
19	Tectonic forcing of evolution and Holocene erosion rate of ravines in the Marginal Ganga Plain, India	Jour. Asian Earth Sciences, 2018, 162, 137-147	Ghosh, R., Srivastava, P. , Shukla, U.K., Singh, I., Ray Champati, Sehgal R.
20	Primary surface rupture of the 1950 Tibet-Assam great earthquake along the eastern Himalayan front, India	Scientific Reports 7:5433, 2017	Rao, P.S., Jayangondaperumal, R., Pandey, A., Mishra, R.L., Singh, I., Bhushan, R., Srivastava, P., Ramachandran, S., Shah, C., Kedia, S., Sharma, A.K., Bhat, G.R.
21	Geomorphic evolution of a non-glaciated river catchment in Lesser Himalaya: Response to tectonics	Quaternary International 462: 211-225, 2017	Chaudhary, S., Asthana, A.K.L., Luirei, A., Srivastava, P. , Bartarya, S.K., Sundriyal, Y.P., Arya, P., Kulkarni, S.
22	A complex thrust sequence in western Himalaya: The active Medlicott Wadia Thrust	Quaternary International 462: 109-123, 2017	Mugnier, J.L., Vignon, V., Jayangondaperumal, R., Vassallo, R., Malik, M.A., Replumaz, A. Srivastava, P., Jouanne, F., Buoncristiani, J.F., Jomard, H., and Carcaillet, J.
23	Paleoflood records in Himalaya	Geomorphology 284, 17-30 2017	Srivastava, P. , Kumar, A., Chaudhary, S., Meena, N., Rawat, S., Sundriyal Y.P., Kumar, N., R. Jayangondaperumal, Bhish, P., Sharma, D., Juyal, N., Wasson, R.J., Ziegler, A.
24	The role of climate and tectonics in aggradation and incision of the Indus River in the Ladakh Himalaya during the late Quaternary	Quaternary Research 87, 363-387, 2017	Kumar, A., Srivastava, P.
25	Sedimentation close to the active Medlicott Wadia Thrust (Western Himalaya): How to estimate	Geomorphology 284, 175-190. 2017	Vignon, V., Mugnier, J.L., Vassallo, R., Srivastava, P., Malik, M.A.,

	climatic base level changes and tectonics.		Jayangondaperumal, R., Jouanne, F., Buoncristiani, J.F., Carcaillet, J., Replumaz, A. and Jomard, H.,
26	Great earthquake surface ruptures along backthrust of the Janauri anticline, NW Himalaya	Journal of Asian Earth Sciences 133, 89-101, 2017	Jayangondaperumal, R., Kumahara, Y., Thakur, V.C., Kumar, A., Srivastava, P. , Shubhanshu, D., Joevivek, V. and Dubey, A.K.
27	Late Pleistocene aeolian activity in the cold desert of Ladakh: a record from sand ramps	Quaternary International, 2017, 443, 13-28.	A. Kumar, P. Srivastava, N. Meena
28	A Clear and Present Danger: Ladakh's increasing vulnerability to flash floods and debris flows.	Hydrological Processes 2016, 30, 4214-4223	Ziegler, A.D., Cantarero, S.I., Wasson, R.J., Srivastava, P., Spalzin, S., Chow, W. and Gillen, J.,
29	Discovery of Elephas cf. namadicus from the late Pleistocene strata of Marginal Ganga plain	Jour. Geological Soc. India 88, 559-568, 2016	R. Ghosh, Sehgal, RK, Srivastava, P. , Shukla, UK., Nanda AC., Singh, DS
30	Stable ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) isotope and Magnetic Susceptibility record of late Holocene climate change from a lake profile of northeast Himalaya	Jour. Geological Soc. India, 2015, 86, 696-705	S. Agarwal, P. Srivastava, Sonam, NK Meena, SK Rai, R. Bhushan, AK Gupta
31	Tectonic Consideration for Location of the Kishau Dam Site on Tons River in Lesser Himalaya, India.	Engg Geology for Soc and Territory- 1, 495-498. 2015. Springer Int Publishing	Srivastava, V., Srivastava, P., Srivastava, H. B., & Ray, Y
32	Terrain response to the extreme rainfall event of June 2013: Evidence from the Alaknanda and Mandakini River Valleys, Garhwal Himalaya, India.	Episodes 2015, 38, 179-188	Sundriyal, YP., Shukla, AD., Rana, N., Perumal, RJ., Srivastava, P., Chamyal, LS., Sati, SP., Juyal, N.
33	Rapid response of silicate weathering rates to climate change in the Himalaya.	Geochem. Persp. Let. 1, 10-19, 2015	Dosseto, A., Vigier, N., Joannes-Boyau, R., Moffat, I., Singh, T., Srivastava, P
34	Distribution of the Late-Quaternary deformation in Northwestern Himalaya	Earth and Planetary Science Letters, 2015, 411, 241-252.	Vassallo, R., J-L. Mugnier, V. Vignon, M. A. Malik, R. J. Perumal, P. Srivastava, F. Jouanne, and J. Carcaillet.
35	Formation of paleovalleys in the Central Himalaya during the valley aggradation	Quat International 2015, 371, 254-267	S. Chaudhary, U.K. Shukla, YP Sundriyal, P. Srivastava, Poonam Jalal
36	Pilgrims, progress, and the political economy of disaster preparedness – the example of the 2013 Uttarakhand flood and Kedarnath disaster	Hydrological Processes (2014) DOI: 10.1002/hyp.10349	AD Ziegler, RJ Wasson, A Bhardwaj, YP Sundriyal, Sati SP, Juyal N, V Nautiyal, P Srivastava, Gillen J, Saklani U

37	Late Quaternary glacial advances in the Tons River Valley, Garhwal Himalaya, India and regional synchronicity	The Holocene, 2014, 24: 1336-1350	M Mehta, DP Dobhal, B Pratap, Z Majid, AK Gupta, P Srivastava
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(D) Details of book published/edited

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