Kumaun University, Nainital
Curriculum Vitae

Name : Prof. Rajeev Upadhyay

Designation : Professor

Department : Department of Geology

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Educational Qualification

Degree	University	Subjects	Year
B.Sc	Kumaun University, Nainital	Physics, Maths, Geology	1985
M.Sc	Kumaun University, Nainital	Geology	1987
Ph.D.	WIHG/HNB Garhwal University, Srinagar	Geology	1992

Work Experience (add row if required)

Position	Department	University/Organization	Year
Professor	Geology	Kumaun University	2010 – Contd..
Associate Professor	Geology	Kumaun University	2007-2010
Reader	Geology	Kumaun University	2004-2007
Scientist-C	Geology	Birbal Sahni Institute of Palaeoscience	2002-2004
Alexander von Humboldt Fellow (AvH)	Institute of Geology	University of Tuebingen, Germany	2003-2004
Senior Research Associate (Pool Officer)	CSIR	Birbal Sahni Institute of Palaeoscience, Lucknow	2001-2002
Research Associate	Geodynamics Unit	JNCASR, Bangalore	2000-2001
Post Doc. Fellow	Institute of Geology	ETH, Zurich, Switzerland	1998-2000
Research Associate	DST	Wadia Institute of Himalayan Geology, Dehradun	1994-1998
Senior Research Fellow	CSIR and DST	Wadia Institute of Himalayan Geology, Dehradun	1990-1994

Junior Research Fellow	DST	Wadia Institute of Himalayan Geology, Dehradun	1988-1990

Administrative Responsibilities (add row if required)

Position	Nature of responsibility	University/Organization	Year
Director IQAC	University Administration	Kumaun University	2019-2023
Director R&D (SRICC)	University Administration	Kumaun University	2016-2019

Research Interests

(List your research interests and areas of expertise in 1-3 lines)
Geodynamics, Regional Geology, Himalayan Geology

Publications (start from recent publications):

Research Papers

72. Martin, C.R., Jagoutz, O., **Upadhyay Rajeev**, Tongeren, J. A., Mueller, P.A. and Weiss, B.P. **2023**. Paleomagnetic constraint on the age of the Shyok Suture Zone. **Journal of Geophysical Research (JGR) Solid Earth**, DOI:10.1029/2022JB026137 (American Geophysical Union-Impact Factor- **4.39**)

71. Tewari, A., Paul, A., Sain, K.C., Singh, R. and **Upadhyay, Rajeev. 2023**. Depth-dependent seismic anomalies and potential asperity linked to fluid-driven crustal structure in Garhwal region, NW Himalaya. ***Tectonophysics***, DOI: 10.1016/j.tecto.2023.229975. (Elsevier- **Impact Factor- 3.66**).

70. Pandey, A.K., Joshi, S., **Upadhyay, Rajeev**, Pant, C.C. and Gupta, A.K. **2022**. Estimation of site response function using Nakamura technique: a case study from Kumaun Himalaya. ***Natural Hazards***, DOI:10.1007/s11069-022-05685-1. (Springer- **Impact Factor- 3.9**).

69. Joshi, P., Puniya, M., Pathak, L., Pant, P.D. and **Upadhyay, Rajeev**. **2022**. Tectonic and structural controlled landslide: a case study of Hardiya Nala Landslide, Inner Kumaun Lesser Himalaya (Uttarakhand), India. ***Arabian Journal of Geosciences***, DOI:10.1007/s12517-022-10737-8 (Springer-**Impact Factor-0.406**).

68. Bisht, H., Kotliya, B.S. and **Upadhyay, Rajeev** et al., **2022**. Hydrogeochemical analysis and identification of solute sources in the meltwater of Chaturangi glacier, Garhwal Himalaya, India. *Applied Water Science*, DOI:10.1007/s13201-021-01510-5 (Springer-**Impact Factor-5.411**).

67. **Upadhyay, Rajeev**, Gautam, S. and Ram-Awatar, 2022. Discovery of an Entrapped Early Permian (ca. 299 Ma) Peri-Gondwanic Sliver in theCretaceous Shyok Suture of Northern Ladakh, India: Diverse Implications. ***GSA Today*** (Geol. Soc. of America), DOI: 10.13140/RG.2.2.35272.39681 (Geol. Soc. of America- **Impact Factor-3.342**).

66. Singh, L., Kumar, G., **Upadhyay, Rajeev** and Pant, D., **2022**. Geochemistry and 40Ar- 39Ar age of mafic dykes of Sor Valley in Pithoragarh, Kumaun Lesser Himalaya, India: Evidence for late Neoproterozoic continental rifting during Rodinia breakup. ***Himalayan Geology***, 43, 262-280. (**Impact Factor- 1.311**).

65. Pant, D., Joshi, H., **Upadhyay, Rajeev**, Pant, Pant, D. and Mehra, A. **2022**. Field and petrographic characteristics of Photang thrust sheet of Zanskar Tethys Himalaya, Ladakh, India. ***Int. J. of Research and Review***, DOI: 10.52403/ijrr.2022119 (IF: 7.64).

64. Joshi, L.M., Kotlia, B., Kothyari, **Upadhyay, Rajeev** and Dayal, D., **2021**. Neotectonic Landform Development and Associated Mass Movements along Eastern Ramganga Valley in the Kumaun Himalaya, India. G*eotectonics*,DOI: 10.1134/S0016852121040087 (Springer-**Impact Factor-1.142**)

63. Pathak, B., **Upadhyay, Rajeev**, Bakshi, S. and Kotliya, B. **2021**. Assessment of Water Quality of Nainital Lake and surrounding Springs, using Water Quality Index (WQI) and Heavy Metal Pollution Index (HPI). ***Earth Science India***, 14, 28-40 (pISSN: 0974-8350).

62. Pudi, R., Joshi, S., Martha, T.R., **Upadhyay, Rajeev** and Pant C.C. **2021.** A Comprehensive Site Response and Site Classification of the Garhwal-Kumaun Himalaya, Central Seismic Gap (CSG), India. ***Journal of Earthquake Engineering***, DOI: 10.1080/13632469.2021.1927901 (Taylor and Francis- **Impact Factor- 2.997**).

61. Tiwari, A., Paul, A., Singh R. and **Upadhyay, Rajeev, 2021**. Potential seismogenic asperities in the Garhwal-Kumaun region, NW Himalaya: seismotectonic implications. ***Natural Hazards***, DOI: 10.1007/s11069-021-04574-3 (Springer**- Impact Factor-3.9**).

60. Martin, C.R., Jagoutz, O., **Upadhyay, Rajeev** et al., **2021**. Paleomagnetism and geochronology of the Eurasian margin in the Shyok suture zone. Conference Paper-***GSA Connects*** USA, DOI: 10.1130/abs/2021AM-368403.

59. Craig R. Martina, Oliver Jagoutz, **Rajeev Upadhyay**, Leigh H. Royden, Michael P. Eddy, Elizabeth Bailey, Claire I. O. Nichols, and Benjamin P. Weiss **(2020)**: Paleocene latitude of the Kohistan–Ladakh arc indicates multistage India–Eurasia collision. ***PNAS*** (USA), www.pnas.org/cgi/doi/10.1073/pnas.2009039117 (National Academy of

Science-USA, **Impact Factor- 12.779**)

58. Yadav, J.S., Mishra, A., Dobhal, D. P., Yadav, R.B.S. and **Upadhyay, Rajeev. 2020**. Snow cover mapping, topographic controls and integration of meteorological data sets in Din-Gad Basin, Central Himalaya. ***Quaternary International***, https://doi.org/10.1016/j.quaint.2020.05.030, (Elsevier-**Impact Factor-2.199**).

57. Mishra, A., Kumar, A., Bambri, R., Haritashya, U.K., Verma, A., Dobhal, D.P., Gupta, A.K., Gupta G. and **Upadhyay, Rajeev. 2020**. Topographic and climatic influence on seasonal snow cover: Implications for the hydrology of ungauged Himalayan basins, India. ***Journal of Hydrology***, 585. https://doi.org/10.1016/j.jhydrol.2020.124716. (Elsevier- **Impact Factor- 4.405**)

56. Bisht, H., Kotlia, B.S., Kumar, K., Dumka, R.K., Taloor, A.K. and **Upadhyay, Rajeev. 2020**. GPS derived crustal velocity, tectonic deformation and strain in the Indian Himalayan arc. ***Quaternary International***, https://doi.org/10.1016/j.quaint.2020.04.028, (Elsevier-**Impact Factor-2.199**).

55. Martin, C.R., Jagoutz, O., **Upadhyay, Rajeev** and Weiss, B.P. **2020**.Paleocene latitude of the Kohistan-Ladakh arc indicates multi-stage India-Eurasia collision. Conference Paper-***GSA Connects*** USA, DOI: 10.1130/abs/2020AM-355839.

54. Paul, A., Tiwari, A. and **Upadhyay, Rajeev**. **2019**. Central Seismic Gap and Probable zone of large earthquake in North West Himalaya. ***Himalayan Geology***, 40, 199-212. (**Impact Factor- 1.311**).

53. Sah, N., Puniya, M.K., **Upadhyay, Rajeev**, Dutt, S., **2018**. Hill slope instability of Nainital City, Kumaun Lesser Himalaya, Uttarakhand, India. ***Journal of Rock Mechanics and Geotechnical Engineering***, 10, 280-289. (Elsevier-**Impact Factor-5.915**).

52. Tewari, I., Bargali, K., Bargali, S.S. and **Upadhyay, Rajeev. 2018**. Science and Technology Awareness Programme in Uttarakhand. ***Current Science*****,** 115, 610. (**Impact Factor- 1.169**).

51. Singh, I.B., Sahni, A., Jain, A.K., **Upadhyay, R**., Parcha, S.K. and ten others (**2015):** Post-collision sedimentation in the Indus Basin (Ladakh, India): Implications for the evolution of the northern margin of the Indian plate. ***Journal of the Palaeontological Society of India***, 60, 97-146.

50. N. J.Van Buer, O. Jagoutz, Upadhyay, R. and M. Guillong **(2015):** Mid-crustal detachment beneath western Tibet exhumed where conjugate Karakoram and Longmu–Gozha Co faults intersect. ***Earth and Planetary Science Letters***, 413, 144–157.

49. **Upadhyay, R. (2014):** Palaeogeographic significance of 'Yasin-type' rudist and orbitolinid fauna of the Shyok Suture Zone, Saltoro Hills, northern Ladakh, India. ***Current Science***, 106, 223-228.

48. **Upadhyay, R.** and Parcha, S.K. **(2012):** Ichnofossils from the Jadhganga (Nelang) valley,Uttarkashi District, Garhwal Tethys Himalaya, India. ***Himalayan Geology***, 33, 83-88.

46. **Upadhyay, R. (2010):** Himalaya: Geological Overview. ***In: Biodiversity Potentials of the Himalaya*** (Eds. Tewari, L.M., Pangtey, Y.P.S. and Tewari, G.), Gyanodaya Prakashan, Nainital, 1- 22. ISBN No. 85097-82-8.

45. **Upadhyay, R. (2009):** U–Pb zircon age for a granite intrusion within the Shyok suture zone, Saltoro Hills, northern Ladakh, ***Current Science***, 97, 1234-1239.

44. **Upadhyay, R. (2009):** The melting of Siachen glacier. ***Current Science***, 96, 646-648.

43. Ira T. Upadhyay and **Upadhyay, R. (2009):** Environmental degradation in the Himalaya: certain key issues. ***Journal of Regional Science and Development*** (The Himalayan Geographical Association), 4-5, 123-127.

42. **Upadhyay, R.**, Frisch, W. and Siebel, W. **(2008):** Tectonic implications of new U-Pb zircon ages of the Ladakh batholith, Indus suture zone, northwest Himalaya, India. ***Terra Nova,*** 20, 309-317.

41. **Upadhyay, R. (2008):** Thorium rich zircons in granitoids of the Ladakh batholith, Indus-Tsangpo suture zone, Ladakh, India. ***Current Science,*** 94, 1635-1640.

40. **Upadhyay, R. (2008):** Implications of U-Pb zircon age of the Tirit granitoids on the closure of the Shyok suture zone, northern Ladakh, India. ***Current Science***, 94, 1635-1640.

39. **Upadhyay, R. (2007):** Uranium-Thorium rich zircon in a granitoid dyke along the Shyok suture zone, Nubra-Shyok river valley, northern Ladakh, India. ***Current Science***, 93, 461.

38. Singh, T. and **Upadhyay, R. (2007):** Gondwanaland Expedition. **Journal of the Geological Society of India**, 69, 406-408.

37. **Upadhyay, R. (2005):** Reply to comments on 'Palynological evidence for the Palaeocene evolution of the forearc basin, Indus Suture Zone, Ladakh, India' by Peter Clift. ***Terra Nova***, 17, 200-2001.

36. **Upadhyay, R.,** Ram-Awatar, Kar, R.K. and Sinha, A.K. **(2005):** First Record of Middle-Late Jurassic Palynomorphs from the Lamayuru Complex, Indus Suture Zone, Ladakh, India. ***Current Science***, 88, 980-986.

35. **Upadhyay, R.**, Rai, J., Sinha, A.K. **(2005):** Discovery of Bathonian-Callovian nannoflora in the eastern Karakoram Block: A possible clue to understand the dextral offset along the Karakoram Fault. ***Terra Nova***, 17, 149-157.

34. Campbell, I. H., Reiners, P.W., Allen, C.M., Nicolessu, S. and **Upadhyay, R. (2005):** He-Pb double-dating of detrital zircons from the Ganges and Indus rivers: implications for quantifying sediments recycling and provenance studies. ***Earth and Planetary Science Letters***, 237, 402-432.

33.Mandoakar, B.D., **Upadhyay, R.** and Mehrotra, R.C. **(2005):** Animal remains from the Bhuban Formation of the Lunglei District, Mezoram. ***Journal Geological Society of India***, 65, 624-628.

32. Phartiyal, B., Sharma, A., **Upadhyay, R.**, Ram-Awatar and Sinha, A.K. **(2005):** Quaternary geology, tectonics and distribution of palaeo and present fluvial/glacio lacustrine deposits in Ladakh, NW Indian Himalaya- a study based on field observations. ***Geomorphology***, 65, 245-256.

31. **Upadhyay, R.**, Jha, N. and Sinha, A.K. **(2005)**. Karakoram: A fragment of Perigondwanian province-palynological evidences. ***Association of Petroleum Geologists (APG),*** ONGC Dehradun.

30. **Upadhyay, R.**, Ram-Awatar, Kar, R.K. and Sinha, A.K. **(2004):** Palynological evidence for the Palaeocene evolution of forearc basin along the Indus Suture Zone, Ladakh Himalaya, India. ***Terra Nova,***16, 210-215.

29. Rai, J., **Upadhyay, R.** and Sinha, A.K. **(2004):** First Late Triassic nannofossil record from the Neo-Tethyan sediments of the Indus-Tsangpo Suture, Ladakh Himalaya, India. ***Current Science***, 86 (6), 774-777.

28. Sinha, A.K., Jha, N. and **Upadhyay, R. (2004):** Additional information on palynological dating of Chhongtash Formation in eastern Karakoram and its palaeogeographic significance. ***Current Science***, 86 (5), 719-723.

27. Sinha, A.K., Jha, N. and **Upadhyay, R. (2004):** Karakoram: Peri-Gondwana prant ka ek abhinn ang-jeewasmiki praman (in Hindi). ***Bhartiya Vagyanik Awam Audyogik Anusandhan Patrika***, 12, 86-91.

26. **Upadhyay, R. (2003):** Earthquake induced soft-sediment deformation in the lower Shyok river valley, northern Ladakh, India. ***Journal of Asian Earth Sciences***, 21, 413-421.

25. **Upadhyay, R. (2002):** Stratigraphy and tectonics of Ladakh, eastern Karakoram, western Tibet and western Kun Lun (with coloured map on 1: 1 million scale). ***Journal Geological Society of India*** 59, 447-467.

24. **Upadhyay, R. (2002):** Tectonostratigraphic set-up of the Shyok suture zone and the eastern Karakoram terrane: A correlation with the northern Kohistan and western Tibet. In: ***Aspects of Geology and Environment of***

the Himalaya (C.C. Pant and A.K. Sharma, Eds.) Gynodaya Prakashan, Nainital, India. 89-108.

23. **Upadhyay, R. (2001):** 17th Himalaya-Karakoram-Tibet Workshop (25-27 March, 2002), Gangtok, Sikkim, India, **Palaeobotanist**, 50, 155-157.

22. **Upadhyay, R.**, Sinha, A.K. **(2001):** A note on geological explorations through early expeditions to the eastern Karakoram, the Shaksgam valley and the western Tibet since early half of the nineteenth century. ***Palaeobotanist*** , 50, 213-224 .

21. **Upadhyay, R. (2001):** Seismically induced soft-sediment deformational structures around Khalsar in the Shyok valley, northern Ladakh and eastern Karakoram, India. ***Current Science*** 81 (5), 600-604.

20. **Upadhyay, R. (2001):** Middle Cretaceous carbonate build-ups and volcanic seamount in the Shyok suture, northern Ladakh, India. ***Current Science*** 81 (6), 695-699.

19. **Upadhyay, R.,** Sinha, A.K., Chandra, R., and Rai, H. (**1999):** Tectonics and magmatic evolution of the eastern Karakoram terrane, India, ***Geodinamica Acta*** 12 (6), 341-358.

18. **Upadhyay, R.**, Chandra, R., Sinha, A.K., Kar, R.K., Chandra, S., Jha, N., and Rai, H. **(1999):** Discovery of Lower Gondwana plant fossils and Late Asselian (Early Permian) palynomorphs in the Karakoram. ***Terra Nova*** 11 (6), 278-283.

17. **Upadhyay, R.**, Chandra, R., Sinha, A.K., Kar, R.K., Chandra, S., Jha, N., and Rai, H. (**1999):** First find of the Early Permian Lower Gondwana plant remains and palynomorphs from the Chhongtash Formation (Upper Shyok valley), eastern Karakoram microplate, India. ***The Palaeobotanist*** 48, 7-18 .

16. Sinha, A.K., Rai, H., Upadhyay**, R.,** and Chandra, R. **(1999):** Contribution to the geology of eastern Karakoram. ***Geological Society of America Special Publication*** 328, 33-46.

15. Islam, R., **Upadhyay, R.,** Ahmad, T., Thakur, V.C., and Sinha, A.K. **(1999):** Pan-African magmatism and sedimentation in the NW Himalaya, ***Gondwana Research*** 2, 263-270.

14. Chandra, R., **Upadhyay, R**., and Sinha, A.K. (**1999):** Subduction and collision related mgmatism in the Shyok Suture and eastern Karakoram. ***Palaeobotanist*** 48, 183-209.

13. **Upadhyay, R.,** and Sinha, A.K. **(1998):** Tectonic evolution of the Himalayan Tethys and subsequent Indian plate subduction along the Indus Suture. ***Proc. Indian National Science Academy (INSA), New Delhi*** 64 (A), 5, 659-683.

12. Sinha A.K. and **Upadhyay, R. (1997):** Tectonics and sedimentation in the passive margin, trench, fore-arc and back-arc areas of Indus Suture Zone of Ladakh and Karakoram: A review. ***Geodinamica Acta*** 10, 1-12.

11. Jai Krishna, Sinha A.K. and **Upadhyay, R. (1997):** The first Tethyan Hettangian *Psiloceras* from the Indus Suture, Ladakh Himalaya: Diverse implications. ***Himalayan Geology*** 18, 145-151.

10. **Upadhyay, R.,** and Sinha A.K. (**1995):** Siliceous deposits of Ophiolitic Melange Zone, Indus Suture, Ladakh Himalaya, ***Journal of Himalayan Geology***, 4(2), 111-119.

9. **Upadhyay, R. (1995):** Tectonosedimentary evolution of pre- and syn-orogenic Neotethyan sediments along the Indus Tsangpo Suture Zone of Ladakh Himalaya, India. In: ***82nd Session of Indian Science Congress Association,*** Calcutta, India , full paper under young scientist award programme (January, 3-8, 1995).

8. Sinha A.K. and **Upadhyay, R. (1995):** Himalaya: Geological Aspect. ***Palaeobotanist*** 44, 9-28.

7. Sinha, A.K. and **Upadhyay, R. (1994):** Flysch: A historical perspective and the Himalayas. ***Earth Science Reviews*** 36, 47-58.

6. Sinha, A.K. and **Upadhyay, R. (1994):** Tectonic setting and pre-orogenic sedimentation along the Indus-Tsangpo (Yarlung) Suture Zone of Ladakh Himalaya, India. ***Journal of South East Asian Earth Sciences,*** Pergamon, U.K. 9(4), 435-450.

5. Sinha A.K. and **Upadhyay, R. (1993):** Mesozoic Neo-Tethyan pre-orogenic deep marine sediments along the Indus-Yarlung Suture. ***Terra Nova*** 5, 271-281.

4. **Upadhyay, R. (1992):** Tectonics and sedimentation of Lamayuru flysch and associated sequence in the collision boundary between Indian and Eurasian plates, Ladakh Himalaya, India, ***Unpub. Ph. D Thesis***, 116 p.

3. Sinha, A.K. and **Upadhyay, R. (1992):** Geodynamic significance of algal oncolitic structures reported from Dras and Lamayuru area, western Ladakh Himalaya. ***Current Science*** 65, 530-532.

2. Sinha A.K., **Upadhyay, R.,** Sati, D.C. and Mishra, M. **(1992):** Some new data on the structural framework of Ladakh Himalaya, India. In: ***Proc. of the Himalayan Geology, Shimane University, Matuse, Japan,*** 47-50.

1. Sinha, A.K. and **Upadhyay, R. (1990):** Subduction accretion and subduction kneading: a possible mechanism for the incorporation of sedimentary sequences within the Ophiolitic Melange belt in western Ladakh Himalaya, India. ***Journal of Himalayan Geology*** 1(2), 259-264.

73. Patents (start from recent publications) **(add row if required): NA**

74. Books (start from recent publications) **(add row if required)**

Authors name	Title of the book	Publisher	ISBN	Year
Yoshida, M. and Upadhyay, R.	Geology and scenery of Northwest Indian Himalayas- Field excursion guidebook	Gondwana Institute for Geology and Environment Miscellaneous Publication,Hashimoto, Japan 1-37	978-4-938925-21-4 C	2009

Conference Publications/Proceedings (start from recent publications) **(add row if required)**

Authors name	Title of the paper	Conference name	Year

48. Sah, N., Punia, M. and **Upadhyay, R (2016):** Hill slope instability of Nainital Township, Kumaun Lesser Himalaya (Uttarakhand), India. ***4th Rock Deformation & Strucutres (RDS-IV) Conference,*** Uttarakhand Open University, Haldwani (18-20 Nov. 2016).

47. **Upadhyay, R**., Ram-Awatar, Samir Sarkar and Saurabh Gautam **(2015):** Discovery of Bathonian- Cenominan palynomorphs from the eastern Karakoram Block, and their Tectonic implication. **30th *Himalaya-Karakoram-Tibet Workshop,*** WIHG, Dehradun (6-8 October, 2015).

46. Mishra, A., Kumar, A., Bhambri, R., Dobhal, D.P., **Upadhyay, R. (2015):** Estimation of snow cover area by remote sensing data sets-A case study of Chorabari glacier basin, Garhwal Himalaya, India. ***XII International Symposium on Antarctic Earth Sciences*** (13-17 July, Goa, India).

45. **Upadhyay, R. (2015):** Industry-Academia Programme under the aegis of ***GEO India*** (12-14 January, 2015, India Expo Centre & Mart, Greater Noida) organized jointly by AAPG and APG

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43. Jajoutz, O., Pierre, B., **Upadhyay, R. (2009):** Geology of the Kohistan-Ladakh arc and its relation to the main Himalayan belt. ***American Geophysical Union (AGU)***, USA

42. **Upadhyay, R. (2006):** Uranium-Thorium rich zircons and monazite in Ladakh batholiths, India. Seminar on ***Magmatism, Tectonism and Mineralization*** (Department of Geology, Kumaun University, Nainital, MTM-2007.

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40. Skelton, P.W., Raisossadat, N., **Upadhyay, R.** and Bernoulli, D. **(2005):** 'Yasin-type' rudist fauna from eastern Iran and northern Ladakh. In: ***Seventh International Congress on Rudists*** (Austin, Texas, 6-8

June, 2005).

39. **Upadhyay, R. (2003):** Early Cretaceous carbonate platform evolution and ocean anoxic event in the northern margin of the Indian plate, northern Ladakh and eastern Karakoram,India. In: ***Abstract volume of the Alexander von Humboldt Foundation's Einführungstagung***, Kaiserslautern, Germany (14-15 October, 2003), 40.

38. Rai, J., **Upadhyay, R.** and Sinha, A.K. **(2003):** First Late Triassic nannofossil record from the Lamayuru Complex of Indus Suture zone, Ladakh Himalaya, India. In: ***18th Himalaya-Karakoram-Tibet Workshop,*** Ascona, Switzerland (2-4 April, 2003), 99.

37. Sinha, A.K., **Upadhyay, R.**, Sharma, A., Ram-Awatar and Phartiyal, B. **(2003):** Neotectonic movements along the Karakoram fault, northern Ladakh and eastern Karakoram, India. In: ***18th Himalaya-Karakoram-Tibet Workshop,*** Ascona, Switzerland (2-4 April, 2003), 115.

36. Sharma, A., Sinha, A.K., **Upadhyay, R.**, Phartiyal, B. and Ram-Awatar **(2003):** Role of geological forces, climatic impact and anthropogenic activities in determining the present day landscape of Ladakh region: Study based on field observations. . In: ***18th Himalaya-Karakoram-Tibet Workshop,*** Ascona, Switzerland (2-4 April, 2003), 109-110.

35. Ram-Awatar, **Upadhyay, R.**, Kar, R.K., Sinha, A.K., Sharma, A. and Phartiyal, B. **(2003):** Palynology, palaeoclimate and depositional environment of the Nindam forearc basin, Indus Suture Zone, Ladakh Himalaya, India. . In: ***18th Himalaya-Karakoram-Tibet Workshop,*** Ascona, Switzerland (2-4 April, 2003), 100.

34. Phartiyal, B., Sinha, A.K., **Upadhyay R**., Sharma, A., Sangode, S.J. and Ram-Awatar **(2003):** Magnetic properties of sediments deposited in fluvio-lacustrine environments in the Indus valley, Leh (Ladakh): relationships with palynological and geochemical proxies. ***18th Himalaya-Karakoram-Tibet Workshop,*** Ascona, Switzerland (2-4 April, 2003), 94-95.

33. Phartiyal, B., Sinha, A.K., **Upadhyay R**., Sharma, A., Sangode, S.J. and Ram-Awatar **(2003):** Mineral magnetic parameters and tectonics of the Quaternary deposits in the Shyok river valley, Northern Ladakh. In: ***18th Himalaya-Karakoram-Tibet Workshop,*** Ascona, Switzerland (2-4 April, 2003), 93-94.

32. **Upadhyay, R. (2002):** Evidence of plaeo-seismicity in the India-Asia collision zone, northern Ladakh, India. In: ***Earth System Science Section, 89th Session of the Indian Science Congress Association,*** University of Lucknow, India (3-7 January, 2002).

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4. **Upadhyay, R.,** and Rautela Piyoosh (**1991):** Plate-tectonic interpretation of the Himalayan Foreland basins. In: ***Siwalik Basin International Seminar*** (December 1991),Wadia Institute of Himalayan Geology Dehradun, India, 48.

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Geology, Dehradun, India, 9.

Projects (add row if required)

Title of the project	Funding agency	Amount (Rs)	Year
Geodynamic evolution of the Malla Zohar Exotic Blocks and associated sequences in Kumaun Tethys Himalaya, India	DST-DCS (SERC), Govt. of India, New Delhi	15.38 Lac	2005-2009
Evaluation of likely fear of Arsenic in waters of Uttarakhand: A first round survey	AHEC, IIT, Roorkee	4.00 Lac	2019
Study of Arsenic and other water contaminants in Uttarakhand State	NMHS, Govt. of India, New Delhi	34.00 Lac	2019-2022
Seismic Networks in Kumaun Himalaya (SNKH)	MOES, Govt. of India, New Delhi	1.90 Crore	2019-2023
Hillslope Instability in Nainital Hills, Kumaun Lesser Himalaya, Uttarakhand	CM HE Sodh Protsahan Yojna, Govt. of Uttarakhand	8,30,500/-	2024-Contd..

Teaching details (add row if required)

Name of the course/paper	Department	University	Year
M.Sc-III Semester/Geodynamics	Department of Geology	Kumaun University	2023-24
M.Sc-IV Semester/Mineral Exploration and Mineral Economics	Department of Geology	Kumaun University	2023-24
M.Sc-II Semester/Stratigraphy	Department of Geology	Kumaun University	2023-24
B.Sc-I Semester/Physical Geology	Department of Geology	Kumaun University	2023

Professional Memberships (add row if required)

1	Alexander von Humboldt (AvH) Foundation, Germany	Fellow
2	Geological Society of India (FGS), Bangalore	Fellow
3	Specialist Group in Tectonics and Structural Geology (SGTSGI), India	Member
4	Central Himalayan Environment Association (CHEA)	Life Member
5	PAHAR	Life Member
6	"Himalayan Geology", WIHG, Dehradun	Life Subscription Member
7	Indian Society of Earthquake Science (ISES)	Life Member
8	Indian Mountaineering Foundation (IMF)	Associate Member
9	Palaeontological Society of India (PSI)	Life Member
10	Association of Petroleum Geologists (APG)	Life Member

Honours and Awards (add row if required)

i. Recipient of Alexander von Humboldt (AvH) Fellowship, Germany
ii. Recipient of Swiss Federal Commission of Scholarship at ETH-Zurich, Switzerland
iii. Fellow of Geological Society of India (FGS)
iv. Associate member Indian Mountaineering Foundation (IMF)
v. Member SWISSNEX, Switzerland
vi. Life member of the Palaeontological Society of India
vii. Life member of the Indian Society of Earthquake Science (ISES)
viii. Life member of the Association of Petroleum Geologists (APG)
ix. Member of Specialist Group in Tectonics and Structural Geology (SGTSGI), India
x. Selected as most outstanding scientist by the Marquis Who's Who in 2005
xi. Appointed as consulting editor of 'The Contemporary Who's Who' by the American Biographical Institute (ABI).
xii. Scientist-C at BSIP, Lucknow
xiii. Recipient Senior Research Associateship (Pool Officer) of CSIR, New Delhi
xiv. Research Associate of JNCASR, Bangalore
xv. Research Associate of DST New Delhi at WIHG Dehradun
xv. Senior Research Fellow of CSIR New Delhi at WIHG Dehradun
xvi. Recipient of GEHOST award to attend 29th IGC, Kyoto, Japan
xvi. Senior Research Fellow of DST New Delhi at WIHG Dehradun
xvii. Junior Research Fellow of DST New Delhi at WIHG Dehradun
xviii. Acharya Narendra Dev Samman for Academics

Rajeev

Signature of the faculty member