



Shri P. Kawishwar

Scientist 'E – 1'

Division:	Remote Sensing Application Centre
Qualification:	M.Sc (Geology), M.Sc (Tech) Photogeology & Mineral Exploration, M.Phil (Coal Geology), PG Diploma in Remote Sensing, IIRS, Dehradun, M.Sc (Geoinformatics), ITC, The Netherland
Area of Specializations:	Geology, Groundwater Exploration Techniques, Geoinformatics, Hyperspectral Remote Sensing
Current Scientific Responsibilities:	<ul style="list-style-type: none">– Conceptualization, Formulation and execution of RS & GIS related projects, Formulate and execute training programmes for the development departments of the State. Equip the project colleagues with desired skills in RS and GIS.– Nodal Officer – Climate Change Cell
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Research Publication:

1. Arur Anand, P. Krishnan, G. Kantharajan, Arun Suryavanshi, Prashant Kawishwar, Uday Raj, Ch Srinivasa Rao, S.B. Choudhury, C. Manjulatha, D.E. Babu. “Assessing the water spread area available for fish culture and fish production potential in inland lentic waterbodies using remote sensing: A case study from Chhattisgarh State, India” Remote Sensing Applications: Society and Environment, 2020; 17: 100273. DOI:10.1016/j.rsase.2019.100273
2. Rakesh Bhambri, Kenneth Hewitt, Prashant Kawishwar, Amit Kumar, Akshaya Verma, Snehamani, Sameer Tiwari, Anshuman Misra. “Ice-dams, outburst floods, and movement heterogeneity of glaciers, Karakoram” Global and Planetary Change, 2019; 180: 100 – 116. DOI:10.1016/j.gloplacha.2019.05.004 {Awarded as Best Research Paper of 2019 by Wadia Institute of Himalayan Geology on 29th June 2020}
3. Amit Kumar, Rakesh Bhambri, Sameer Kumar Tiwari, Akshaya Verma, Anil Kumar Gupta, Prashant Kawishwar. “Evolution of debris flow and moraine failure in the Gangotri Glacier region, Garhwal Himalaya: Hydro-geomorphological aspects” Geomorphology, 2019; 333: 152 – 166. DOI:10.1016/j.geomorph.2019.02.015

4. R. Bhambri, K. Hewitt, P. Kawishwar, B. Pratap. “Surge-type and surge-modified glaciers in the Karakoram” *Scientific Reports*, 2017; 7(1). DOI:10.1038/s41598-017-15473-8 {**Ranked 56th in the top 100 most read articles of Nature in Earth Science of 2017**}
5. Priyeshu Srivastava, Rakesh Bhambri, Prashant Kawishwar, D P Dobhal. “Water level changes of high altitude lakes in Himalaya–Karakoram from ICESat altimetry” *Journal of Earth System Science*, 2013; 122(6): 1533 – 1543. DOI:10.1007/s12040-013-0364-1
6. Rakesh Bhambri, Tobias Bolch, P Kawishwar, D P Dobhal, Deepak Srivastava, B Pratap. “Heterogeneity in glacier response in the upper Shyok valley, northeast Karakoram” *The Cryosphere*, 2013; 7(5): 1385 – 1398. DOI:10.5194/tc-7-1385-2013
7. R Bhambri, T Bolch, P Kawishwar, D P Dobhal, D Srivastava, B Pratap. “The Cryosphere Discussions Heterogeneity in Glacier response from 1973 to 2011 in the Shyok valley, Karakoram, India” *The Cryosphere Discussions*, 2012; 6(4): 1385–1398. DOI:10.5194/tcd-6-3049-2012

Conference Papers

1. Bhambri Rakesh, Kawishwar Prashant. “Monitoring of Himalayan Glaciers and Associated Hazards” 41th Indian Geographers Meet 2019 and National Conference on “Building a Disaster Resilient Society: Methods and Approaches”, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh (India). 2019.
2. Srivastava Priyeshu, Bhambri Rakesh, Kawishwar Prashant, Dobhal D. P. “Water Level Changes in Lakes of Zaskar-Ladakh Range, North-West Himalayas, India, from ICESat Altimetry” International Symposium on Cryosphere and Climate Change (C3), Manali, Himachal Pradesh (India). 2012.
3. Srivastava Priyeshu, Bhambri Rakesh, Kawishwar Prashant, Dobhal D. P. “Lake Elevation Changes in Tso Kar Basin, Ladakh, North-West Himalaya, India, from ICESat Altimetry Data” *Geomatrix’12: International Conference on “Geospatial Technologies and Application”*, IIT Bombay. 2012.
4. Rakesh Bhambri, Prashant Kawishwar, Bhanu Pratap, Dr. Ninad Bodhankar. “Debris-covered Glacier Mapping using World View-2 imagery” International Workshop on "Earth Observation for Terrestrial Ecosystems", Pt. Ravishankar Shukla University, Raipur, Chhattisgarh (India), 2010.
5. Ayachi, Abhishake Kumar, P.Kawishwar. “Return to Basic, the Digitally Divided World- Need of Remote Sensing and GIS Techniques and Inputs” *Map India - 2005, Geomatics 2005*, 2005.
6. S. Khan, R.K. Singh, A. Choudhary, P. Kawishwar, M. Jyotishi, V. Shrivastava. “Application of Remote Sensing and GIS In Wildlife Habitat Mapping of Palpur-Kuno Sanctuary, Sheopur District Madhya Pradesh” *A Glimpse, Natural Resource Data Management System*, Department of Science and Technology, Ministry of Science and Technology, Government of India, 2004.

7. S. Bokil, M. Jain, P. Kawishwar, S. Goel, T. Habib. "Watershed Management for Sustainable Development of Mod Watershed, Jhabua District M.P through an Integrated Approach" National Conference on Conjunctive use of Surface and Sub-surface Water, their Management and Assessment, Department of Applied Geology, MVM, Bhopal (M.P.), India, 1997.
8. S. Bokil, M. Jain, P. Kawishwar, S. Goel, T. Habib, V. Tamilarasan. "Sustainable Development of Natural Resources for Socio-economic Upliftment of Chicholi Area using Remote Sensing" International Conference on Civil Engineering for Sustainable Development, 1997.
9. Prashant Kawishwar, Dr. R.R. Nandgaonkar. "Coal in Satpura Present and Future Prospects" National Seminar and VII Indian Geological Congress, Vikram University Ujjain MP., 1991.

Thesis

1. Atmospheric Correction Models for Retrievals of Calibrated Spectral Profiles From Hyperion EO-1 data. Enschede, ITC, 2007, Degree: M.Sc. Geoinformatics, ITC, The Netherlands, https://webapps.itc.utwente.nl/librarywww/papers_2007/msc/iirs/kawishwar.pdf
2. Geoenvironmental Appraisal of Recent Landslides Around Okhimath, UP – A GIS and Remote Sensing Approach. 1999, Affiliation: PG Diploma in Remote Sensing - Geosciences, IIRS, Dehra Dun.
3. Geology of Tandsi Region of Satpura Gondwana Basin (MP). 12/1991, Degree: M.Phil, Vikram University, Ujjain, Supervisor: Dr. R R Nandgaonkar.
4. Oil exploration with special reference to Depositional Environment of Pay Sands of an Oil Field in South Cambay Basin, Gujrat. 11/1990, Degree: M.Sc (Tech) Mineral Exploration and Photogeology, Vikram University, Ujjain, Supervisor: Dr. R. R. Nandgaonkar.