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(**Ex-Scientist**- Centre for Glaciology, WIHG Department of Science and Technology
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Academic Qualification

- Ph D - "Integrated approach of snow and Glacier melt runoff studies in Beas Basin, Western Himalaya".
- M.Tech in Applied Geophysics, 1st Division, from Kurukshetra university, Kurukshetra.
- B.Sc (Physics and Geology) 1st Division from H.N.B. Garhwal University, SriNagar (Uttarakhand).

Technical Experience:

1. Forest Type Mapping of India,
2. Disaster Management Plan for Tehri DAM Using RS/GIS,
3. Preparation of GIS map using IKONOS Satellite data,
4. Central India Pipeline Project,
5. Four Lane project From Udaipur to Ahmadabad.

Research Publications

1. Ahluwalia, Rajeev Saran., Rai, S.P., Jain, Sanjay K., Kumar, Bhishm., Dobhal D.P. Assessment of snowmelt runoff modelling and isotope analysis: a case study from the western Himalaya, India Annals of Glaciology 54(62) 2013 doi:10.3189/2013AoG62A133.

2. Ahluwalia Rajeev Saran, Rai S P, Jain S K, Dobhal D.P., Kumar Amit., Estimation of snow and glacier melt contribution in the upper part of the Beas River basin, Himachal Pradesh using conventional and SNOWMOD modeling approach. J. of Water and Climate Change., December 2015, 6 (4) 880-890; DOI: 10.2166/wcc.2015.107.

3. Ahluwalia Rajeev Saran, Rai S P, Dobhal D.P., Gupta, Anil K., Tiwari, Reetkamal., Kesharwani, Kapil., Garg, P K., Isotopic charcterstics of Kedarnath catastrophic flood using environmental isotope, June 2013 in Central Himalaya, India. J. of Natural Hazards., May 2016 Volume 82, no. 1, pg. 321-332. DOI:10.1007/s11069-016-2203-6.

4. Jain, S K., Ahluwalia, Rajeev S., Rai, S P., (2012), "Snowmelt runoff modeling in Beas Basin for Snow/Glacial melt contribution at Manali and Bhunter, Himachal Pradesh", In Proc. Of International Symposium on Cryosphere and Climate Change, Manali, India during 2-4 April,2012 organized by SASE, page no.42.

5. Jain, S K., Rai, S P., Ahluwalia, Rajeev S., (2011) Stream Flow Modelling of Beas River at Manali, Himachal Pradesh, In S.B.Dwivedi et.al., (eds.) Proc. of National Conf. on Recent Advances in Civil Engineering RACE-2011,published by Department of Civil Engineering, Institute of Technology, Banaras Hindu University, Varanasi, (ISBN. 978-81-92112107), pp. 286-289.

6. Ahluwalia, Rajeev S., Jain, S K., Rai, S P., Thakral, L.N., (2011), Analysis of discharge pattern and variation of snow/glacier melt contribution in upper part of Beas Basin in National Conference on Water, Energy, Biodiversity (WEB-N-E Region 2011) from August 20-21, 2011 at Agartala organized by The Institute of Engineers (India), Tripura state centre and National Institute of Hydrology, Roorkee, India.

7. Rai,S P., Ahluwalia, Rajeev S., Jain, S K., Kumar, Bhism., (2010), Variation of Snow melt contribution in the upper part of Beas Basin located in Western Himalaya, Presented in 14th symposium on hydrology "Management of Water Resources under Drought Situation ", 21-22 December 2010, organized by National Institute of Hydrology, Roorkee and Malaviya National Institute of Technology, Jaipur at Jaipur, Rajasthan.

8. Rai, S P., Ahluwalia, Rajeev S., Kumar, Bhism., Jain, S K., Dobhal, D.P., Variation in isotopic composition of Parvati River in response to snow/glacial melt contribution at Bhunter, Himachal Pradesh, Presented in International conference on Indian Monsoon and Himalayan GeodynamicsIMHG-2011 from November 2-5., 2011 organized by Wadia Institute of Himalayan Geology, Dehradun, India, page no.51.

9. Rai, S P., Ahluwalia, Rajeev S., Jain, S K., Understanding the runoff process of snow and glacier fed river of Western Himalaya, ENVIS New letter, Himalayan Glaciology, G B Pant Institute, Almora. ISSN: 2277-9000, Vol. 12(1), 2015.

10.A report and atlas published on forest type mapping of India, Forest Survey of India, MoEF.

Project Completed:

Understanding of hydrological process in Upper Ganga Basin by using Isotopic Technique, for five years sponsored by National Institute of Hydrology under National Mission for Sustainable Himalayan Ecosystem (NMSHE) project funded by DST, GoI.

Ph D students: 01 (Submitted)