Curiculum Vitae

Ghulam Jeelani

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EDUCATION

2010-11	Post Doc
	University of Kansas, Lawrence USA
2000	Ph. D. (Geology)
	Aligarh Muslim University, Aligarh, India
1997	M. Sc. (Geology) 1st Division
	Aligarh Muslim University, Aligarh, India
1994	B. Sc. (Geology) 1st Division
	University of Kashmir, Srinagar, India

PROFESSIONAL EXPERIENCE

14.11.2016 to till date	Professor, Dept. of Earth Sciences, University of Kashmir
14.11.2013 to 13.11.2016	Associate Professor, Dept. of Earth Sciences, University of Kashmir
31.03.2013 to 13.11.2013	Senior Assistant Professor (Stage III), Dept. of Earth Sciences, University of Kashmir
31.03.2008 to 30.03.2013	Senior Assistant Professor (Stage II), Dept. of Earth Sciences, University of Kashmir
01.09.2010 to 30.04.2011	Post Doc, The University of Kansas, Lawrence Kansas, USA
31.03.2004 to 30.03.2008	Assistant Professor (Stage I), Dept. of Geology & Geophysics, University of Kashmir
April 2001 to March 2004	Contractual Lecturer, Dept. of Geology & Geophysics, University of Kashmir

Associate Editor:

Hydrological Sciences Journal (HSJ) Published by Taylor and Francis

PROFESSIONAL AFFILIATION

Member

Life Member Indian Geological Congress (IGC)

American Geophysical Union (AGU)

International Association of Hydrogeologists (IAH)

International Association of Hydrological Sciences (IAHS)

Indian National Science Academy (INSA)

Working Group on Climate Change, University of Kashmir

ACADEMIC HONOR/AWARDS

2016, 2018, 2019 • Visiting Scientist PRL, Ahmedabad

2010-11 • Fulbright-Nehru Senior Research Fellow

2008-09 • INSA-Visiting Fellow

2006 • Excellent Grade Teacher Award by IQAC (University of Kashmir)

2002 • NET, CSIR/UGC.

1999-2001 • Fellowship, Aligarh Muslim University

CONFERENCES ORGANISED

a) as Organizing Secretary/convener

One day **National Workshop** (10 September 2011) on "Applications of isotope technique in Industry and water resources development and management" in Collaboration with BARC Mumbai. Sponsored by Board of Research in Nuclear Science (BRNS), Department of Atomic Energy (DAE) Government of India.

b) As Organizing Committee Member/Chairman of Committee/s

i) INSPIRE Program (25-31 July, 2011)

ii) Earth Day 2011 (22 Apr, 2011)

iii) Lidder Valley Sustainable Development (27 Mar, 2010)

iv) Earth Day 2010 (22 Apr, 2010)

v) Energy Challenges in J&K (19-21 May, 2009)

vi) Spatial Planning for G-Governance (29-30 June, 2009)

vii) Climate Change and Glacial retreat (12-14 October, 2009)

viii) Concerns, Conservation and Management WRIIN08 (1-3 Nov, 2008)

RESEARCH PROJECTS AND COLLABORATIONS

Ongoing

- Assessment of Groundwater Resources and Hydrogeochemistry in Upper Indus Basin, Ladakh, India, in collaboration with IIT Kharagpur [Funded by MOES, Government of India]
- Geochemical and isotopic study of Dal Lake: implications for eutrophication, in collaboration with BARC Mumbai [Funded by BRNS/DAE, Department of Atomic Energy, Government of India)
- Spatial distribution of uranium in groundwater in nine districts of Kashmir, in collaboration with BARC Mumbai (Funded by BRNS/DAE, Department of Atomic Energy, Government of India). (as **Co-PI**)

Completed

- 2010: Environmental Isotope Fingerprinting of Major Springs of Anantnag, J&K, To Study their Recharge and Origin, in collaboration with Bhaba Atomic Research Centre, BARC, Mumbai,. (Funded by BRNS/DAE, Department of Atomic Energy, Government of India). The outcome/results of this research project were shared with Department of Public Health Engineering (PHE) Government of Jammu and Kashmir (local stake holders) during a national workshop on 10th September 2011 held at Gandhi Bhawan, University of Kashmir.
- 2014: CRP F3 2006 "Use of Environmental Isotopes in Assessing Water Resources in Snow, Glacier, and Permafrost Dominated Areas under Changing Climatic Conditions" sponsored by International Atomic Energy Agency (IAEA), Vienna
- 2015: The impact of climate change on groundwater resources of karst aquifer in Kashmir Valley; Funded by DST, GoI.)
- 2016: "Role of snow and ice in controlling regional hydrology of Liddar watershed, Western Himalaya, using environmental isotopes", Sponsored by Board of Research in Nuclear

Sciences (BRNS), Department of Atomic Energy (DAE).

- "Investigation of Relative Contribution of Precipitation from Western Disturbances and Indian Summer Monsoon to Jammu and Kashmir region using $\delta^{18}O$ and δD: a case study of Jhelum basin (Kashmir)" in collaboration with Physical Research Laboratory (PRL), Ahmedabad, under PRL Associateship Program.
- 2017: Environmental gamma radiation monitoring in Jammu and Kashmir using TLD's in collaboration and MoU with Bhabha Atomic Research Centre 9BARC) Mumbai [Sponsored by BRNS, Department of Atomic Energy, Government of India].

Research Guidance (M. Phil and Ph. D)

Awarded

	Name	Degree	Research Topic and Registration Details	Date of award
1	R A Mir	M Phil	Geochemical characteristics of water and sediment of the Jhelum River: Constraints on weathering and erosion	02/04/2011
2	N A Bhat	M Phil	Delineation of Recharge Areas of some karst springs using Hydrogeochemistry and stable isotopes of hydrogen and oxygen: a case study of Anantnag springs [15646-SP-2000]	22/05/2012
3	M Saleem Dar	M Phil	Assessment of chemical quality of water of Dal Lake, Srinagar [40919-S-2006]	18/04/2015
4	J A Sheikh	Ph. D (As Co-Guide)	Studies in impact of anthropogenic activities on the Wular Lake with reference to water and sediment chemistry and macrophytes [26-12-2006]	09/06/2015
5	F A Jugoo	M Phil	Role of snow and ice in controlling regional hydrology of Liddar watershed, Kashmir Himalayas [22577-SP-2005]	12/01/2017

6	R. A. Shah	Ph. D	Hydrogeological characterization of karst aquifers in south Kashmir	05/06/2017
7	M Saleem Dar	Ph D	Geochemical study of Dal Lake: Implications for eutrophication	
8	Suhail A Lone	Ph D	Hydrogeochemical and isotopic evidence of groundwater evolution in Indus basin, Ladakh, India	

Ongoing

9	M Altaf Lone	Ph. D	Isotopic composition and sources of precipitation in Kashmir Valley	
10	Amrin Lara	Ph D	Hydrogeochemical changes in groundwater along River Jhelum, Kashmir Valley, India	
11	Massarat Ahad	Ph D	Estimation of vapour source from various ecohydrological pools	
12	Shahid Hamid	Ph D	Baseflow contribution to river Jhelum: tracer and modeling approach	
13	Mohsin Ahanger	Ph D	Kinematics of flow and deformation partitioning of Main Central Thrust Zone (MCTZ) in Kashmir Himalayas	
14	Feroz A Jagoo	Ph D	Slope stability assessment along National High way Jammu and Kashmir	
15	Ishfaq A Paul	Ph D	Use of ^{222}Rn to study the origin of Lakes of Kashmir Valley	

TRAINING

- One day (12th August 2016) International workshop on "Himalayan Permafrost under changing climate" organised by National Institute of Hydrology, Roorkee in collaboration with International Centre for Integrated Mountain Development (ICIMOD), Kathmandu
- Two days (14-15 June 2016) Picaro sponsored National Workshop on Recent Advancement of stable isotopes Application in Hydrology/Hydrogeology, at JNU, New Delhi.

- One week (16 to 22 March 2016) workshop in Information Technology at UGC-Human Resource Development Centre, University of Kashmir, Srinagar.
- Two days (5-6 November 2015) MOES sponsored National workshop on Himalayan River Basins at National Institute of Hydrology, Roorkee.
- 3-week (May 7 to May 27, 2013) UGC sponsored Refresher course in Basic and Applied Sciences, at UGC-Academic Staff College, University of Kashmir, Srinagar.
- One-week (January 14 to January 19, 2008) Short term training programme on "isotope hydrology for groundwater management" at CWRDM, Kozhikode, Calicut Kerala.
- 2-week (January 22 to February 4 2006) DST sponsored training program on Role of mathematical modeling and mass transport, at Andhra University.
- 4-week (November 14 to December 10 2005) UGC sponsored general orientation course, at UGC-Academic Staff College, University of Kashmir, Srinagar.
- 5-week (June 28 to July 31st 2004) DST sponsored training program on Hydrogeology and mathematical modeling, under DST school of mathematical modeling at University of Rajasthan.

Publications:

International/National Journals

1. S A Lone, Jeelani G, A Mukherjee, P Coomer (2019) Geogenic groundwater arsenic in high altitude bedrock aquifers of upper Indus river basin (UIRB), Ladakh. Applied Geochemistry 113, 104497. [IF: 2.89]
2. Jeelani G and S A Lone (2019) Establishing the Effect of Aridity on the Stable Isotopes (^{18}O and D) of Precipitation in Cold Desert, Ladakh. International Journal of Water Resources and Arid Environments 8(2): 161-168.
3. Lone, A., Jeelani, G., Deshpande, R.D, (2019) Hydrochemical assessment (major ions and Hg) of meltwater in high altitude glacierized Himalayan catchment Environ Monit Assess 191: 213. https://doi.org/10.1007/s10661-019-7338-y [IF:1.8]
4. S A Lone, Jeelani G, R D Deshpande, A Mukherjee (2019) Stable isotope ($\delta^{18}O$ and δD) dynamics of precipitation in a high altitude Himalayan cold desert and its surroundings in Indus river basin, Ladakh. Atmospheric Research 221(19): 46-57.

https://doi.org/10.1016/j.atmosres.2019.01.025 [IF: 3.8]

5. Shah R A, Jeelani G, Nico Goldscheider (2018) Karst Geomorphology, Cave Development and Hydrogeology in the Kashmir Valley, Western Himalaya, India. *Acta Carsologica,* 47(1): 5-21. DOI: https://doi.org/10.3986/ac.v47i1.5178 [IF: 0.959]
6. Bhat NA and Jeelani G (2018) Quantification of groundwater - surface water interactions using environmental isotopes: A case study of Bringi Watershed, Kashmir Himalayas, India. *Earth System Science,* 127 (5), 63. https://doi.rog/10.1007/s12040-018-0964-x [IF: 0.955]
7. Jeelani G, R D Deshpande, K Rozanski, M Galkows (2018) Stable Isotope variation of precipitation across the Himalayas: implications to moisture source. *Atmospheric Chemistry and Physics*. 18 (12): 8789–8805, https://doi.org/10.5194/acp-18-8789-2018 [IF: 5.509]
8. Jeelani G, Shah RA, Deshpande RD (2018) Application of water isotopes to identify the sources of groundwater recharge in a karstified landscape of western Himalaya. *Journal of Climate Change*, 4(1): 37-47. *https://*doi.10.3233/JCC-180005
9. Jeelani G, R A Shah, A Fryer, R D Deshpande, A Mukherjee, J Perrin (2018) Stable isotope dynamics of basin scale hydrological processes of the western Himalayas. *Hydrogeology Journal,* 26(2): 615-628. https://doi.10.1007/s10040-017-1666-1 [IF: 2.071]
10. Lone SA, G Jeelani, RD Deshpande, RA Shah (2017). Evaluating the sensitivity of glacier to climate by using stable water isotopes and remote sensing. *Environmental Earth Sciences*, 76:598. https://doi.org/10.1007/s12665-017-6937-6 [IF: 1.569]
11. Jeelani G, R D Deshpande (2017) Isotope fingerprinting of precipitation associated with western disturbances and Indian summer monsoons across the Himalayas. *Earth System Science,* 126(8): 1-13, https://doi.org/10.1007/s12040-017-0894-z [IF: 0.955]
12. Saleem M, Jeelani G (2017) Geochemical, isotopic and hydrological mass balance approaches to constrain the lake water–groundwater interaction in Dal Lake, Kashmir Valley. *Environmental Earth Sciences*, 76 (15):533. https://doi.org/10.1007/s12665-017-6865-5 [IF: 1.569]
13. Jeelani G, R A Shah, R D Deshpande, A Fryer, J Perrin, A Mukherjee (2017) Distinguishing and estimating recharge to karst springs in snow and glacier dominated mountainous

basins of the western Himalaya, India. *Journal of Hydrology*, 550: 239-252 http://dx.doi.org/10.1016/j.jhydrol.2017.05.001 [IF: 3.727]

14. Shah RA, Jeelani G, N Jacob (2017) Estimating mean residence time of karst groundwater in glacierized catchments of Western Himalaya, India. *Hydrological Sciences Journal*, 62(8): 1230-1242 doi. 10.1080/02626667.2017.1313420 [IF: 2.372]
15. Jeelani G, Deshpande R D, Shah RA, Hassan W (2017). Influence of southwest monsoons in Kashmir Valley, Western Himalaya. *Isotopes in Environment and Health Studies,* 53(4): 400-412. doi: 10.1080/10256016.2016.1273224. [IF: 1.527]
16. Jeelani G, R. A. Shah, N. Jacob, R. D. Deshpande (2017) Estimation of snow and glacial melt contribution to Liddar stream in a mountainous catchment, western Himalaya: an isotopic approach. *Isotopes in Environment and Health Studies*, 53 (1): 18-55. doi.10.1080/10256016.2016.1186671 [IF: 1.527]
17. Mir R A, Jeelani G, Dar FA (2016) Spatio-temporal patterns and factors controlling the hydrogeochemistry of the River Jhelum basin, Kashmir Himalaya. *Environ. Monit. Assess.* 188(7):1-24. DOI 10.1007/s10661-016-5429-6 [IF: 1.633]
18. Lone SA, Lone AA, Jeelani G (2016) Characterization of Groundwater Potential of Sindh Watershed, Western Himalayas. *Journal of Research and Development* 16:29-41.
19. Saleem M, Jeelani G (2016). Anthropogenic Induced Evolution of Chemical Quality of Water in Dal Lake, Srinagar. *Journal of Research and Development* 16: 69-80.
20. Bhat N A and Jeelani G (2015) Delineation of the recharge areas and distinguishing the sources of karst springs in Bringi watershed, Kashmir Himalayas using hydrochemistry and environmental isotopes. *Journal of Earth System Science*, 124 (8): 1667-1676. DOI: 10.1007/s12040-015-0629-y [IF: 0.858]
21. Mir R A, Jeelani G (2015) Textural characteristics of sediments and Weathering in the River Jhelum basin located in Kashmir Valley, Western Himalaya". *Journal Geological Society of India* 86(4): 445-458. [IF: 0.596]
22. Mir RA, Jeelani G (2015) Hydrogeochemical assessment of river Jhelum and its tributaries for domestic and irrigation purposes, Kashmir valley, India. *Current Science*, 109(2): 311-322. [IF: 0.833]

23. M S Dar, G Jeelani, R A Shah (2015) The hydrochemistry of Dal Lake and the potential for present, future management by using hydrochemical facies Ionic Ratios, and statistical analysis. *Environmental Earth Sciences*. 74(4): 3301-3313. DOI: 10.1007/s12665-015-4361-3 [IF: 1.765]

24. Jeelani G, Kumar US, Bhat NA, Kumar B, Sharma S (2015). Variation of $\delta^{18}O$, δD and ^{3}H in karst springs of south Kashmir, western Himalayas (India). *Hydrological Processes.* 29: 522-530. DOI: 10.1002/hyp.10162. [IF: 2.768]

25. D. Penna, M. Ahmad, S. J. Birks, L. Bouchaou, M. Brenčič, S. Butt, L. Holko, G. Jeelani, D. E. Martínez, G. Melikadze, J. Shanley, S. A. Sokratov, T. Stadnyk, A. Sugimoto, P. Vreča (2014) A new method of snowmelt sampling for water stable isotopes. *Hydrological Processes.* V 28: 5637–5644. [IF: 2.768]

26. Bhat NA, Jeelani G, Bhat MY (2014). Hydrogeochemical assessment of groundwater in karst environments, Bringi watershed Kashmir Himalayas, India. *Current Science* 106(7): 1000-1007. [IF: 0.833]

27. Jeelani G, Shah A R, Hussain A (2014) Hydrogeochemical assessment of groundwater in Kashmir valley, India. *Journal of Earth System Science* 123: 1031-1043. [IF: 1.04]

28. Sheikh JA, Jeelani G, Gavali R, Shah R. (2014) Weathering and Anthropogenic influences on the Water and Sediment Chemistry of Wular Lake, Kashmir Himalaya (India). *Environmental Earth Sciences*. Vol. 71 (6): 2837-2846. *doi: 10.1007/s12665-013-2661-z.* (IF: 1.765)

29. Jeelani G, Kumar U S, Kumar B. (2013) Variation of $\delta^{18}O$ and δD in precipitation and stream waters across the Kashmir Himalaya (India) to distinguish and estimate the seasonal sources of stream flow. *Journal of Hydrology*, v 481: 157-165. *doi: 10.1016/j.jhydrol. 2012.12.035.* [IF: 3.04]

30. Jeelani G, Faddema J, Van der Veen C, Leigh S. (2012) Role of snow and glacier melt in controlling river hydrology in Liddar watershed (western Himalaya). *Water Resources Research,* v 48*:* W12508. *doi:10.1029/2011WR011590, 2012.* [IF: 4.36]

31. Jeelani G, Shakeel Ahmed, A. Absar (2012). Essential and toxic elements in karst springs of Kashmir. *Current Science*, v 103: 992-994. (IF: 0.78)

32. Jeelani G, Bhat NA. (2012) Application of environmental isotopes for identification of possible recharge areas of alluvial springs of Vishaw catchment in Kashmir Himalaya. *Him. Ecol. Sustain. Dev.* v 7: 12-19.

33. Sheikh J A, Jeelani G, Gavali R S (2011). Lithological control of solutes in two freshwater lakes (Wular and Manasbal) of kashmir Valley, India. *Him. Ecol. Sustain. Dev.*, v 6: 65-73

34. Sheikh J A, Jeelani G, Gavali R S (2011). Distribution of emergent macrophytes of three eutrophic lakes from Jhansi Bundelkhand region. *Journal of Research & Development*, v 11: 41-48.

35. Jeelani G, Bhat NA, Shivana K, Bhat M Y (2011) Geochemical characterization of surface water and stream water in SE Kashmir Valley, Western Himalaya: implications to water-rock interaction. *Journal of Earth System Science*, v 120 (5): 921-932. Springer Verlag. [IF: 0.96]

36. Sara S, Jeelani G, Ahmed S (2011) Assessing variability of water quality in a groundwater fed perennial lake of Kashmir Himalayas using linear Geostatistics. *Journal of Earth System Science,* v 120 (3): 399-411. Springer Verlag. [IF: 0.96]

37. Jeelani G, Bhat NA, Shivanna K. (2010) Use of ^{18}O tracer to identify stream and spring origins of a mountainous catchment; a case study from Liddar watershed, Western Himalaya, India. *Journal of Hydrology*. 393:257-264. https://doi.org/10.1016/j.jhydrol.2010.08.021 Elsevier. [IF: 3.04]

38. Jeelani G, Nadeem A Bhat (2010) Hydrogeochemical assessment of groundwater in Baramulla District, Kashmir Valley. Journal of Applied Hydrology. XXIII (1&2): 65-74.

39. Jeelani G (2010) Chemical and microbial contamination of Anantnag springs, Kashmir Valley. *Him. Ecol. Sustain. Dev.* 5:1-10.

40. Sheikh J A, Jeelani G, Gavali RS (2010) Hydrogeochemistry of groundwater and its suitability for drinking and irrigation purposes from Baramulla District, Kashmir Valley, India. *Him. Ecol. Sustain. Dev.* 5:77-86.

41. Lone K A, Bhat M I, Jeelani G (2008) A study on major ion chemistry of groundwater in relation with domestic and agricultural use in and around Srinagar City. *Him. Ecol. Sustain. Dev.* vol.3:44-50.

42. Jeelani G (2008) Aquifer response to regional climate variability in a part of Kashmir Himalaya in India. *Hydrogeology Journal,* vol. 16: 1625-1633; DOI 10.1007/s10040-008-0335-9. Springer Verlag. [IF: 2.02]

43. R.K. Saini, S. Swain, A. Patra, G. Jeelani, H. Gupta, P. Purushothaman, G.J. Chakrapani (2008) Water Chemistry Of Three Himalayan Lakes: Dal (Jammu & Kashmir), Khajjiar (Himachal Pradesh) And Nainital (Uttarakhand) *Himalayan Geology v*ol. 29(1): 63-72. [IF: 0.49]

44. Jeelani G & A Q Shah. (2007). Hydrogeochemistry of Dal Lake of Kashmir Valley. *Journal of Applied Geochemistry* vol. 9(1):120-134.

45. Jeelani G, Shah, A. Q. (2006). Geochemical characteristics of water and sediment from the Dal Lake, Kashmir Himalaya, India: constraints on weathering and anthropogenic activity. *Environmental Geology*, vol. 50:12-23; DOI 10.1007/s00254-005-0168-y. Springer Verlag. [IF: 1.025]

46. Jeelani, G. (2005). Chemical quality of the spring waters of Anantnag, Kashmir. *Journal Geological Society of India,* vol. 66 (4): 453-462. Springer Verlag [IF: 0.396]

47. Jeelani, G. (2004). Effect of subsurface lithology on springs of a part of Kashmir Himalaya. *Himalayan Geology*, vol. 25 (2): 145-151. [IF: 0.49]

Book Chapters

48. Jeelani G, R A Shah and RD Deshpande (2018) Assessment of groundwater in karst system of Kashmir Himalayas. In: "*Groundwater of South Asia"* by Abhijit Mukherjee; Springer-Hydrogeology, Springer Singapore. Pp 85-120, ISBN 978-981-10-3888-4

49. Jeelani G (2018) Characterization of water isotopes in a western Himalayan watershed dominated by snow and glaciers. Published by IAEA, Vienna (in press)

50. Jeelani G, N. Jacob, A Deodhar (2018) Quantifying the contribution of various sources of groundwater recharge in a mesoscale mountainous catchment, Western Himalaya, India. Published by IAEA, Vienna (in press)

51. Jeelani G, R A Shah (2017) Delineation of point sources of recharge in Karst settings. *"Trends in Environmental Science and Technology"* by Futoshi Kurisu, AL Ramanathan, Absar Kazmi and Manish Kumar (Eds); Capital Publishers/Springer Verlag; pp195-209.

52. Jeelani G (2007). Hydrogeology of hard rock aquifer in Kashmir Valley: complexities and

uncertainties. "*Groundwater dynamics in hard rock aquifers- including Sustainable management and optimal monitoring network design*". Ahmed S, Jayakumar R and Abdin S (ed), Springer Verlag, p265.

53. Jeelani, G., Khurshid S & Absar A. (2003). Trace element chemistry of major springs in Anantnag, Jammu and Kashmir. *Proceedings of National conference on groundwater management, future challenges and its impact on environment*, edited by Shadab Khurshid, AMU Aligarh: 170-178.

National and International Conferences / Symposiums:

1. Jeelani G and S A Lone (2019) Establishing the effect of aridity on the stable isotopes ($\delta^{18}O$ and δD) of precipitation in cold desert, Ladakh. 8th International conference on water resources and Arid Environments, organised by King Saud University, Riyadh, Kingdom of Saudi Arabia from 22 to 24 January 2019.
2. Saleem M and Gh Jeelani (2017). Water budget of Dal Lake using geochemical and isotopic mass balance approaches. 12th JK Science congress, University of Jammu in collaboration with J&K State science, Technology & Innovation Council March 2-4.
3. Jeelani G and Rouf A Shah (2016). Vulnerability assessment of karst aquifers of Kashmir Valley . National seminar on Environmental Pollution organised by University of Kashmir, Srinagar from 4-5 June 2016.
4. Saleem M and Gh Jeelani (2016). Spatio-Temporal variation of nutrients in Dal Lake, Srinagar. National Seminar On Environmental Pollution: Join The Race To Make The World A Better Place" On The Eve Of Observance Of World Environment Day, June 4-5. Department of Environmental sciences and Centre of Research for Development, University of Kashmir, Srinagar, J&K, India. Page no. 23. ISBN:81-902346-1-8
5. Jeelani G and Rouf A Shah (2015) Estimating MRT of groundwater in karst: a case study of carbonate aquifers of south Kashmir. 11th JK Science Congress organized by University of Kashmir, from 12-14 October 2015
6. Jeelani G (2015) Estimation of glacial melt contribution to Liddar stream in a mountainous catchment, western Himalaya: an isotopic approach. International conference "Glaciology in

High Mountain Asia" organized by International Glaciological Society held at Kathmandu Nepal from 1-6 March 2015.

7. Saleem M and Gh Jeelani (2015) Groundwater-Lake water interaction: Implications to water quality and water budget of Dal lake, Srinagar. 11th JK Science congress, University of Kashmir, *Scientific, social and economic dimensions of climate change" Oct 12-14*.
8. Amreen Lara, Gh Jeelani and Saleem M (2015) "Water level fluctuations in Sopore Town, Baramullah, Kashmir" Two days National Interdisciplinary Science Conference, P.G Department of Chemistry, P.G department of Environmental sciences and department of Environment and water Management in collaboration with Department of Tourism-Kashmir.
9. Jeelani G, Shah R A, Jacob N (2014) Delineation of recharge of springs using isotopes. National symposium on "Climate Change" held at IG University Kottayam, Kerala from 10-14 December 2014.
10. Saleem M, Jeelani Gh, Shah R A, Jagoo F A, Hussain S (2014). Chemical quality of water: a case study of Dal Lake, Kashmir Valley. International Geographical Union (IGU) Conference on Geohazards, Resources Sustainability and Mountain Response to Global Change held on 4-5 June, Dept. of Geography, University of Kashmir, Hazratbal Srinagar.
11. Saleem M, Jeelani G, Shah R A, Jagoo F A (2013) Variability of Stable isotopes of oxygen and hydrogen in Dal Catchment. 9th J & K Science Congress, University of Kashmir. Oct 1-3. *ERT-14, 204 p*.
12. Jeelani G (2012) Impact of warming climate on the runoff components of a mountainous catchment of the Kashmir Himalaya in India. International Conference "HydroPredict 2012" held at BOKU, Vienna, Austria from 23-27 September 2012.
13. Jeelani G, Bhat N A (2012) Hydrogeochemical and Isotopic study of alluvial springs of Vishaw catchment, Kashmir Himalayas, India. 8th JK Science Congress 2012 held at University of Kashmir, Srinagar from 17-19 September 2012.
14. Jeelani G, Shah RA (2012) Hydrogeochemical Assessment of groundwater in Kashmir Valley, India. . 8th JK Science Congress 2012 held at University of Kashmir, Srinagar from 17-19 September 2012.

15. Jeelani G (2011) Environmental isotope fingerprinting of major springs of Anantnag. National workshop on Application of isotope techniques in industry and water resources development and management held at University of Kashmir in collaboration with BARC Mumbai on 10th Septemebr 2011.
16. Jeelani G, Bhat N A (2010) Impact of climate change on the seasonal isotope variability of stream waters. International conference on wildlife biodiversity conservation visa-vis climate change held at SKICC, Srinagar from 3-5 June 2010.
17. Jeelani G, Hasnain SI (2010) Response of Kolahoi Glacier, Kashmir Himalaya to climate change: A preliminary study. International Conference of American Geophysical Union (AGU), held at San Francisco California, USA from December 13-17, 2010.
18. Jeelani G, Bhat NA, Shivanna K (2010) Identification of recharges of the springs in Liddar watershed of Kashmir Himalaya, India. XXXVIII Congress in Krakow, Poland from 12 to 17 September, 2010.
19. Jeelani G, Bhat NA, Shivanna K (2010) Delineation of recharge areas of karst springs of a mountainous catchment using $\delta^{18}O$; a case study of Bringi watershed, Kashmir Himalaya, India. AOGS 2010, Hyderabad International Convention Centre, India from 5-9 July 2010.
20. Khan I, Jeelani G (2010) Estimation of water quality of Srinagar District, J and K. National conference on Water Conservation held at AMU Aligarh.
21. Jeelani G (2009) Karst development and groundwater resources in the carbonate rocks of a part of Kashmir Himalaya, India. 8th IAHS Scientific Assembly and 37th IAH Congress, held at Hyderabad, India
22. Ahmad M, Jeelani G (2009) Glacial Recession A Case Study of Kolahoi Glacier, J&K, India. 8th IAHS Scientific Assembly and 37th IAH Congress, held at Hyderabad, India
23. Jeelani G, J A Sheikh, N A Bhat (2008) Hydrogeochemical assessment of .groundwater in Baramullah district, Kashmir. National symposium on water resources in India: Concerns, conservation and management, held at University of Kashmir, Srinagar.
24. Sarah, R Rafia, G Jeelani (2008) Water quality analyses of Manasbal Lake in Kashmir and establishing its quality. National symposium on water resources in India: Concerns, conservation and management, held at University of Kashmir, Srinagar.

25. Jeelani G (2008) Estimating recharge using CMB approach in six watersheds of Anantnag, Kashmir Valley. JK Science Congress 2008, held at University of Kashmir, Srinagar.
26. Jeelani G, N A Bhat, M Y Bhat, K Shivanna (2008) Hydrodynamics of karst springs: a case study of Anantnag Springs, Kashmir. JK Science Congress 2008, held at University of Kashmir, Srinagar.
27. Jeelani G, M Y Bhat, N A Bhat, K Shivanna (2008) Physico-chemical characteristics of major karst springs of Anantnag: Constraints on rock-water interaction. JK Science Congress 2008, held at University of Kashmir, Srinagar.
28. Sheikh J A, Jeelani G (2007) Variation in Water Chemistry of Two Freshwater Lakes (Wular And Manasbal) of Kashmir Valley, India. 7th World Lake Conference (TAAL-2007), held at Jaipur, from 28 October-31 November.
29. Jeelani G (2006) Groundwater prospects of Kashmir Valley: an overview. Jammu and Kashmir Science congress, held at University of Kashmir from 25-27 July.
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