

Refereed International/national Journal Articles (Last ten years). Upto 2018

2018

1. Irfan Rashid, Ajaz Ahmad Paray and Shakil Ahmad Romshoo (2018). Evaluating the Performance of Remotely Sensed Precipitation Estimates against In-Situ Observations during the September 2014 Mega-Flood in the Kashmir Valley. *Asia Pacific Journal of Atmospheric Sciences*, <https://doi.org/10.1007/s40808-018-0526-x> (IF: 1.65)
2. Muzamil, Amin and Shakil Ahmad Romshoo (2018). Comparative assessment of soil erosion modelling approaches in a Himalayan watershed. *Modelling Earth Systems and Environment*, DOI: <https://doi.org/10.1007/s40808-018-0526-x>
3. Khanday, S. A., Romshoo, S. A., Jehangir, A., Sahay, A., and Chauhan, P. (2017). Environmetric and GIS techniques for hydrochemical characterization of the Dal lake, Kashmir Himalaya, India. *Stochastic Environmental Research and Risk Assessment* (IF: 2.629)
4. Sumira N. Zaz, Shakil A. Romshoo, T. K. Ramkumar and V. Yesu Babu(2018). Climatic and extreme weather variations over Mountainous Jammu and Kashmir, India: Physical explanations based on observations and modelling. *Atmos. Chem. Phys. Discuss.*, <https://doi.org/10.5194/acp-2018-201> (IF: 5.896)
5. Asif Marazi and Shakil A. Romshoo(2018). Streamflow response to shrinking glaciers under changing climate in Lidder Valley, Kashmir Himalayas, India. *Journal of Mountain Science* 15(6): 1241-1253. <https://doi.org/10.1007/s11629-017-4474-0> (IF: 0.875)
6. Irfan Rashid, Tariq Abdullah, Neil F. Glasser, Heena Naz, Shakil Ahmad Romshoo(2018). Surge of Hispar Glacier, Pakistan, between 2013 and 2017 detected from remote sensing observations. *Geomorphology*, Vol. 303:410-416. <https://doi.org/10.1016/j.geomorph.2017.12.018>. (IF: 3.352)
7. Javid A. Ganai, Shaik A. Rashid, Shakil A. Romshoo(2018). Evaluation of terrigenous input, diagenetic alteration and depositional conditions of Lower Carboniferous carbonates of Tethys Himalaya, India. *Solid Earth Sciences*, vol. 3 (2018):33-49
8. Zainab Hakim, Gufran Beig, Srinivas Reka, Shakil A. Romshoo, and Irfan Rashid (2018). Winter Burst of Pristine Kashmir Air. *Nature Scientific Reports*. 8, Article number: 3329, doi:10.1038/s41598-018-20601-z (IF: 4.847).
9. Shakil A Romshoo, Mohammad Rafiq and Irfan Rashid (2018). Spatio-temporal Variation of Land Surface Temperature and Temperature Lapse Rate over Mountainous Kashmir Himalaya, India. *Journal of Mountain Science*, 15(3):563-576 (IF: 1.151)
10. Shakil A. Romshoo, Sadaf Altaf, Irfan Rashid and Reyaz A. Dar (2018). Climatic, Geomorphic and Anthropogenic Drivers of 2014 Kashmir Extreme Flooding in Kashmir, India. *Geomatics, Natural Hazards and Risk*, Vol. 9 (1): 224-248 (IF: 1.7)
11. Irfan Rashid, Tariq Abdullah, Neil F. Glasser, Heena Naz, Shakil Ahmad Romshoo (2018). Surge of Hispar Glacier, Pakistan, between 2013 and 2017 detected from remote sensing observations. *Geomorphology*, Vol. 303:410-416. <https://doi.org/10.1016/j.geomorph.2017.12.018>. (IF: 3.352)
12. Ahmad, Ishtiaq, and Rakesh Chandra. "Paleoenvironmental Reconstructions of the Late Quaternary Loess-Paleosol Sediments of Kashmir Valley." *Journal of Applied Geochemistry* 20, no. 1 (2018): 59-90.
13. Chandra, R., Dar, J. A., Romshoo, S. A., Rashid, I., Parvez, I. A., Mir, S. A. and Fayaz, M., 2018. Seismic hazard and probability assessment of Kashmir valley, northwest Himalaya, India Natural Hazards, 94(1): 1 -27. DOI: [10.1007/s11069-018-3362-4](https://doi.org/10.1007/s11069-018-3362-4), ISSN: 1573-0840, (IF: 1.901).
14. Meenakshi, Kumar, P., Shrivastava, j. P., Chandra, R., Chopra, S., Roonwal, G. S. and Sharma, R., 2018. High resolution 14C AMS ages (~50 ka) of organic matter associated with the loess-palaeosol Holocene-Late Pleistocene (8–130 ka) sediments of Dilpur Formation, Karewa Group,

- Kashmir, India Quaternary Geochronology, 47(1): 170 -
 179. DOI:10.1016/j.quageo.2018.06.004, ISSN: 1871-1014, (IF: 2.853).
15. Bhat, N.A. and Jeelani, G., 2018. Quantification of groundwater–surface water interactions using environmental isotopes: A case study of Bringi Watershed, Kashmir Himalayas, India. *Journal of Earth System Science*, 127(5), p.63.
16. Jeelani, G., Shah, R.A., Fryar, A.E., Deshpande, R.D., Mukherjee, A. and Perrin, J., 2018. Hydrological processes in glacierized high-altitude basins of the western Himalayas. *Hydrogeology Journal*, 26(2), pp.615-628.
17. Jeelani, G., Deshpande, R.D., Galkowski, M. and Rozanski, K., 2018. Isotopic composition of daily precipitation along the southern foothills of the Himalayas: impact of marine and continental sources of atmospheric moisture. *Atmospheric Chemistry and Physics*, 18(12), pp.8789-8805.

2017

1. Shakil A. Romshoo, Sadaf Altaf, Muzamil Amin and Ummer Ameen (2017). Sediment Yield Estimation for Developing Soil Conservation Strategies in GIS Environment for the Mountainous Marusudar Catchment, Chenab Basin, J&K, India. *Journal of Himalayan Ecology and Sustainable Development*. Vol. 12(2017): 16-32, ISSN No. 0973-7502
2. Santosh K. Shah1, Uttam Pandey, Nivedita Mehrotra, and Rakesh Chandra (2017). Tree-ring analysis of Cedrus deodara in Pahalgam, Kashmir valley, India: influence of climate and regional linkages. *Himalayan Research Journal* (UGC recommended Journal) Vol II(III), 1-8.
3. Mudasir A. Bhat, Shakil A. Romshoo and Gufran Beig (2016). Black carbon aerosol over a Himalayan urban city, Srinagar, India: Seasonality, sources and meteorological influences, *Atmospheric Environment*, Vol. 165:336-348 (**IF: 3.841**)
4. Reyaz A Dar, Omar Paul, Khalid Omar and Shakil A. Romshoo (2017). Glacial-geomorphic study of the Thajwas glacier valley, Kashmir Himalayas, India. *Quaternary International*, DOI: 10.1016/j.quaint.2017.05.021 (**IF: 2.383**)
5. Jeelani G, R A Shah, R D Deshpande, A Fryer, R D Deshpande, 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: 3.043]
6. 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: 2.182]
7. Jeelani G, R D Deshpande, RA Shah, W Hassan (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: 0.935]
8. 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: 0.935]
9. Jeelani G, R A Shah and RD Deshpande (2017) Assessment of groundwater in karst system of Kashmir Himalayas. "Groundwater of South Asia" by Abhijit Mukherjee; Springer Verlag. (in press)
10. 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.
11. Kowser, N., Chandra, R. and Satyanarayanan, M., 2017. Geochemical characterization of granitoids of the Panamik-Sasoma section of eastern Karakoram Axial Batholith from the Nubra Valley, Ladakh, India. *Himalayan Geology*, Vol. 38 (1), 2017, pp. 68-77.

12. Lone, A., Babeesh, C., Achyuthan, H. and Chandra, R., 2017. Evaluation of environmental status and geochemical assessment of sediments, Manasbal Lake, Kashmir, India. *Arab J Geosci.* 10:92(1-18). DOI 10.1007/s12517-016-2826-7.
13. Gowhar Meraj, Shakil A. Romshoo, Sameena Ayoub, Sadaff Altaf (2017). Geoinformatics based approach for estimating the sediment yield of the mountainous watersheds in Kashmir Himalaya, *India. Geocarto International.*
DOI: [*http://dx.doi.org/10.1080/10106049.2017.1333536*](http://dx.doi.org/10.1080/10106049.2017.1333536). (IF: 1.6)
14. Romshoo, Shakil A., Reyaz Ahmad Dar, Khalid Omar Murtaza, Irfan Rashid, and Farooq A. Dar (2017). "Hydrochemical characterization and pollution assessment of groundwater in Jammu Siwaliks, India." *Environmental Monitoring and Assessment* 189(3) pp122. (IF: 1.68)
15. Irfan Rashid, Shakil Ahmad Romshoo, and Tariq Abdullah (2017). The Recent Deglaciation of Kolahoi Valley in Kashmir Himalayas, India in response to the Changing Climate. *Journal of Asian Earth Sciences*, 138 (2017) 38–50 (IF: 3.245)
16. Irfan Rashid, Shakil Ahmad Romshoo, Muzamil Amin, Shabir Ahmad Khanday Linking Human-Biophysical Interactions with the trophic status of Dal lake (2017). *Limnologica- Ecology and Management of Inland Waters*, 62: 84–96 (IF: 1.541)
17. Tuhin Kumar Mandal, A. Sen; A.S. Abdelmaksoud; Y. Nazeer Ahammed; Mansour A. Alghamdi; TirthanKar Banerjee; Mudasir Ahmad Bhat; Muhammad Rafiq; Shakil Ahmad Romshoo; Irfan Rashid et al., (2017). Variations in particulate matter over Indo-Gangetic Plains and Indo-Himalayan Range during four field campaigns in winter monsoon and summer monsoon: Role of pollution pathway. *Atmospheric Environment*, 154:200–224 (IF:3.841)
18. Iram Ali, Aparna Shukla and Shakil A. Romshoo (2017). Assessing linkages between spatial facies changes and dimensional variations of glaciers in Upper Indus Basin, Western Himalaya. *Geomorphology*, 10.1016/j.geomorph.2017.01.005 (IF: 3.282)

2016

1. Shakil A Romshoo, Muzamil Amin and Imtiyaz Ahmad (2016). Soil Erosion Estimation of Lidder Watershed, Kashmir Himalaya India Using Morgan-Morgan-Finney Model in GIS Environment. *Journal of Himalayan Ecology and Sustainable Development*. Vol 11(2016):3-20, ISSN No. 0973-7502
2. Aparna Shukla, Iram Ali, Nazia Hasan and Shakil A. Romshoo (2016). Dimensional changes in the Kolahoi Glacier from 1857 to 2014. *Environmental Monitoring and Assessment*. 189(5): doi:10.1007/s10661-016- 5703- ISSN No.: 1573-2959 (IF: 1.68).
3. Shabir A. Khanday, A. R. Yousuf, Zafar A. Reshi, I. Rashid, ArshidJehangir, and Shakil A. Romshoo. Management of Nymphoidespeltatum using water level fluctuations in freshwater lakes of Kashmir Himalaya. *Limnology*, DOI 10.1007/s10201-016-0503-x (IF: 1.6)
4. Chandra, R., Ahemd, I. and Qurashi, A. H., 2016. Ppedostratigraphy and Geochemistry of Loess-Paleosol Sediments of Karewa Basin: Implications for Chemical Weathering and Paleoclimatic Reconstruction of Kashmir Valley, In: Future Challenges in Earth Sciences for Energy and Mineral Resources, Special publication of Geological Society of India, 4, 38-54. <http://dx.DOI: 10.17491/cgsi/2016/95894>; ISSN: 0016-7622 (IF: 0.596).
5. Irfan Rashid, Shakil A.Romshoo, Javaid Ahmad Hajam and Tariq Abdullah (2016). A Semi-Automated Approach for Mapping Geomorphology in Mountainous Terrain, Ferozpora watershed (Kashmir Himalayas). *Journal of the Geological Society of India*, 88(2): 206-212 (IF: 0.314).
6. Jeelani G, R. A. Shah, N. Jacob, R. D. Deshpande (2016) Estimation of snow and glacial melt contribution to Liddar stream in a mountainous catchment, western Himalaya: an isotopic approach. *Isotopes in Environment and Health*
7. Dar, Reyaz Ahmad, Shakil Ahmad Romshoo, Rakesh Chandra, and Ishtiaq Ahmad. "Response to "No major active backthrust bounds the Pir Panjal Range near Kashmir basin, NW Himalaya" by Shah." *Journal of Asian Earth Sciences* 123 (2016): 58-60.(IF: 1.74)

8. Rashid, Irfan, Mudasir Ahmad Bhat, and Shakil Ahmad Romshoo. "Assessing Changes in the Above Ground Biomass and Carbon Stocks of Lidder Valley, Kashmir Himalaya, India." *Geocarto International* just-accepted (2016): 1-41(IF: 1.37).
9. Rather, Mohammad Irshad, Irfan Rashid, Nuzhat Shahi, Khalid Omar Murtaza, Khalida Hassan, Abdul Rehman Yousuf, Shakil Ahmad Romshoo, and Irfan Yousuf Shah. "Massive land system changes impact water quality of the Jhelum River in Kashmir Himalaya." *Environmental monitoring and assessment* 188, no. 3 (2016): 1-20 (IF: 1.68).
10. Selvam, S., Farooq A. Dar, N. S. Magesh, C. Singaraja, S. Venkatramanan, and S. Y. Chung. "Application of remote sensing and GIS for delineating groundwater recharge potential zones of Kovilpatti Municipality, Tamil Nadu using IF technique." *Earth Science Informatics* (2016): 137-150. DOI 10.1007/s12145-015-0242-2 (IF: 0.743)
11. Denis Stojanovic, Jonathan C. Aitchison, Jason R. Ali, Talat Ahmad, Reyaz Ahmad Dar: Paleomagnetic investigation of the Early Permian Panjal Traps of NW India; regional tectonic implications. *Journal of Asian Earth Sciences* 115 (2016) 114–123. (IF: 2.83)
12. Khalid O. Murtaza and Shakil A. Romshoo (2016). Recent Glacier Changes in the Kashmir Alpine Himalayas, India. *Geocarto International*, DOI: 10.1080/10106049.2015.1132482, Vol. 31(6): ISSN: 1010-6049 (IF: 1.37)
13. Akhtar R. Mir, Zubair A. Bhat, Shabber H. Alvi and Balaram, V. (2014). Trace element geochemistry of black shales in Singhbhum mobile belt, Eastern India: implications for source rock and paleoredox conditions. *International Journal of Scientific Research*, vol. 3(1), pp. 185-188. ISSN: 2277-8179
14. Ali Mohammed Dar, Akhtar R. Mir, K. Anbarasu, M. Satyanarayanan, V. Balaram, D.V Subba Rao, S.N. Charan (2014). Mafic and ultramafic rocks in parts of the Bhavani complex, Tamil Nadu, Southern India: Geochemistry constraints. *Journal of Geology and Mining Research, Academic Journals*, vol. 6(2), pp. 18-27, ISSN: 2006-9766.
15. Shamim A. Dar, K. F. Khan, Saif A. Khan, Akhtar R. Mir, H. Wani and V. Balaram. (2014). Uranium (U) concentration and its genetic significance in the phosphorites of the Paleoproterozoic Bijawar Group of the Lalitpur district, Uttar Pradesh, India. *Arabian Journal of Geosciences*, vol. 7, pp. 2237-2248, ISSN: 1866-7511, IF: 0.74

2015

1. Irfan Rashid, Shakil Ahmad Romshoo, Rajiv Kumar Chaturvedi, NH Ravindranath, Raman Sukumar, Mathangi Jayaraman, Thatiparthi Vijaya Lakshmi and Jagmohan Sharma(2015). Projected Climate Change Impacts on Vegetation Distribution over Kashmir Himalaya. *Climatic Change*, DOI: 10.1007s10584-015-1456-5,ISSN: 1573-1480
2. Gowhar Meraj, Shakil A. Romshoo, A. R. Yousuf, Sadaff Altaf, Farrukh Altaf (2015). Assessing the influence of watershed characteristics on the flood vulnerability of Jhelum basin in KashmirHimalaya: reply to comment by Shah 2015, *Natural Hazards*,DOI: 10.1007s11069-015-1861-0, Vol. 77(3), pp. ISSN:0921-030X,
3. Mohd Saleem, Gh Jeelani and Rouf Ahmad Shah (2015). Hydrogeochemistry of Dal Lake and the potential for present, future management by using facies, ionic ratios, and statistical analysis. *Environmental Earth Sciences*, DOI: 10.1007s12665-015-4361-3
4. Reyaz A Dar, Rakesh Chandra, Shakil A Romshoo, Mahjoor Ahmad Lone and Syed Masood Ahmad (2015). Reply to the comment by Shah on â€œIsotopic and micromorphological studies of Late Quaternary loess-paleosol sequences of the Karewa Group: inferences for palaeoclimate of Kashmir Valley. *Quaternary International*.Vol. 374, Pp. 200â€“202, doi:10.1016j.quaint.2015.03.029, ISSN: 1040-6182
5. M. Muslim,Shakil A Romshoo and A. Q. Rather (2015). Paddy crop yield estimation in Kashmir Himalayan rice bowl using remote sensing and simulation model. *Environmental Monitoring and Assessment*, 187(6):316, ISSN No.:1573-2959 DOI 10.1007s10661-015-4564-9

6. Aparna Shukla, Iram Ali (2015). A hierarchical knowledge-based classification for glacier terrain mapping: a case study from Kolahoi Glacier, Kashmir Himalaya. *Annals of Glaciology*, 57(71): 1-10. DOI: 1-.31892016AoG71A046
7. P.S. Roy, M.D. Behera, M.S.R. Murthy, Arijit Roy, Sarnam Singh, S.P.S. Kushwaha, C.S. Jha, S. Sudhakar, P.K. Joshi, Ch. Sudhakar Reddy, Stutee Gupta, GirishPujar, C.B.S. Dutt, V.K. Srivastava, M.C. Porwal, PoonamTripathi, J.S. Singh, VishwasChitale, A.K. Skidmore, G. Rajshekhar, Deepak Kushwaha, Harish Karnataka, Sameer Saran, A. Giriraj, HitendraPadalia, Manish Kale, SubratoNandy, C. Jeganathan, C.P. Singh, M.B. Chandrashekhar, ChiranjibiPattanaik, D.K. Singh, G.M. Devagiri, GautamTalukdar, Rabindra K. Panigrahy, Harnam Singh, J.R. Sharma, K. Haridasan, ShivamTrivedi, K.P. Singh, L. Kannan, M. Daniel, M.K. Misra, MadhuraNiphadka, NidhiNagbhatla, Nupoor Prasad, O.P. Tripathi, P. Rama Chandra Prasad, Pushpa Dash, QamerQureshi, S.K. Tripathi, B.R. Ramesh, BalakrishnanGowda, Sanjay Tomar, Shakil Romshoo, ShilpaGiriraj, Shirish A. Ravan, Soumit Kumar Behera, Subrato Paul, Ashesh Kumar Das, B.K. Ranganath, T.P. Singh, T.R. Sahu, Uma Shankar, A.R.R. Menon, GauravSrivastava, Neeti, Subrat Sharma, U.B. Mohapatra, Ashok Peddi, Humayun Rashid, Irfan Rashid, P. Hari Krishna, P.K. Hajra, A.O. Vergheese, ShafiqueMatin, Swapnil A. Chaudhary, SonaliGhosh, Udaya Lakshmi, DeepshikhaRawat, KalpanaAmbastha, P. Kalpana, B.S.S. Devi, BalakrishnaGowda, K.C. Sharma, PrashantMukharjee, Ajay Sharma, PriyaDavidar, R.R.VenkataRaju, S.S. Ketewa, Shashi Kant, Vatsavaya S. Raju, B.P. Uniyal, BijanDebnath, D.K. Rout, Rajesh Thapa, Shijo Joseph, PradeepChhetri, ReshmaRamchandran. New vegetation type map of India prepared using satellite remote sensing: Comparison with global vegetation maps and utilities. *International Journal of Applied Earth Observation and Geoinformation*, doi: 10.1016j.jag.2015.03.003, Vol. 39(2015):142–159.
8. Gowhar Meraj, Shakil A. Romshoo, A. R. Yousuf, Sadaff Altaf, Farrukh Altaf (2015). Assessing the influence of watershed characteristics on the flood vulnerability of Jhelum basin in Kashmir Himalayas. *Natural Hazards* DOI 10.1007s11069-015-1605-1, ISSN:0921-030X
9. Reyaz A Dar, Rakesh Chandra, Shakil A Romshoo, Mahjoor Ahmad Lone and Syed Masood Ahmad (2015). Isotopic and micromorphological studies of Late Quaternary Loess-paleosol Sediments of Karewa Group: implication to paleoclimate of Kashmir Valley. *Quaternary International*.doi:10.1016j.quaint.2014.10.060

2014

1. D. Pennal, M. Ahmad, S. J. Birks, L. Bouchaou, M. Brencic, S. Butt, L. Holko, G. Jeelani, D. E. Martínez, G. Melikadze, J. Shanley, S. A. Sokratov, T. Stadnyk, A. Sugimoto, P. Vreca (Subm.) A new method of snowmelt sampling for water stable isotopes. *Hydrological Processes*. (IF: 2.497) DOI: 10.1002/hyp.10273
2. Jeelani G, Shah A R, Hussain A (2014) Hydrogeochemical assessment of groundwater in Kashmir valley, India. *Journal of Earth System Science* (Accepted). (IF: 0.96) JESS-D-13-00128
3. 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: 0.78
4. Jeelani G, Kumar US, Bhat NA, Kumar B, Sharma S (2014). Variation of $\delta^{18}\text{O}$, δD and 3H in karst springs of south Kashmir, western Himalayas (India). *Hydrological Processes*. DOI: 10.1002/hyp.10162. (IF: 2.497)
5. 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: 1.445)
6. Akhtar R. Mir, Zubair A. Bhat, Shabber H. Alvi and Balaram, V. (2014).Trace element geochemistry of black shales in Singhbhum mobile belt, Eastern India: implications for source

- rock and paleoredox conditions. International Journal of Scientific Research, vol. 3(1), pp. 185-188. ISSN: 2277-8179
7. Ali Mohammed Dar, Akhtar R. Mir, K. Anbarasu, M. Satyanarayanan, V. Balaram, D.V Subba Rao, S.N. Charan (2014). Mafic and ultramafic rocks in parts of the Bhavani complex, Tamil Nadu, Southern India: Geochemistry constraints. Journal of Geology and Mining Research, Academic Journals, vol. 6(2), pp. 18-27, ISSN: 2006-9766.
 8. Shamim A. Dar, K. F. Khan, Saif A. Khan, Akhtar R. Mir, H. Wani and V. Balaram. (2014). Uranium (U) concentration and its genetic significance in the phosphorites of the Paleoproterozoic Bijawar Group of the Lalitpur district, Uttar Pradesh, India. Arabian Journal of Geosciences, vol. 7, pp. 2237-2248, ISSN: 1866-7511, IF: 0.74
 9. Sadaf Altaf, Gowhar Meraj, Shakil A. Romshoo (2014). Morphometry and Land Cover Based Multi-Criteria Analysis for Assessing the Soil Erosion Susceptibility of the Western Himalayan Watershed. Environmental Monitoring and Assessment. DOI 10.1007/s10661-014-4012-218 (**IF:1.68**)
 10. Reyaz A. Dar, Shakil A. Romshoo; Rakesh Chandra and Ishtiaq Ahmad (2014). Tectono-geomorphic study of the Karewa Basin of Kashmir Valley. Journal of Asian Earth Sciences. DOI: 10.1016/j.jseaes.2014.06.018, ISSN:1367-9120(**IF: 2.831**)
 11. Khalid Omar Murtaza and Shakil A. Romshoo(2014). Determining the Suitability and Accuracy of Various Statistical Algorithms for Satellite Data Classification. International Journal of Geomatics and Geosciences, Vol. 4(4): 585-599, Code : EIJGGS4052,ISSN: 0976-4380
 12. I. M. Bahuguna1, B. P. Rathore, RupalBrahmbhatt, Milap Sharma, Sunil Dhar, S. S. Randhawa, Kireet Kumar, Shakil Romshoo, R. D. Shah, R. K. Ganjooand Ajai (2014). Are the Himalayan glaciers retreating? Current Science, 106(7): 1008-1013 (**IF:0.94**)
 13. Shakil ARomshooand Irfan Rashid (2014). Assessing the impacts of changing land cover and climate on Hokersar wetland in Indian Himalayas. Arabian Journal of Geosciences, DOI: 10.1007/s12517-012-0761-9, Vol. 7 (1): 143-160, ISSN: 1866-7511(**IF: 1.038**)
 14. Khalid Omar Murtaza and Shakil A Romshoo. Assessing the impact of spatial resolution on the accuracy of land cover classification. *Journal of Himalayan Ecology and Sustainable Development*. Vol. 9: 33-44ISSN: 0973-7502
 15. MohammdRafiq, Irfan Rashid and Shakil A.Romshoo (2014). Estimation and validation of remotely sensed land surface temperature in Kashmir valley.*Journal of Himalayan Ecology and Sustainable Development*, Vol. 9: 1-16ISSN: 0973-7502
 16. D. Penna1, M. Ahmad, S. J. Birks, L. Bouchaou, M. Brencic, S. Butt, L. Holko, G. Jeelani, D. E. Martínez, G. Melikadze, J. Shanley, S. A. Sokratov, T. Stadnyk, A. Sugimoto, P. Vreca (Subm.) A new method of snowmelt sampling for water stable isotopes. Hydrological Processes. (**IF: 2.497**) DOI: 10.1002/hyp.10273
 17. Jeelani G, Shah A R, Hussain A (2014) Hydrogeochemical assessment of groundwater in Kashmir valley, India. Journal of Earth System Science (Accepted). (**IF: 0.96**) JESS-D-13-00128
 18. 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: 0.78**
 19. Jeelani G, Kumar US, Bhat NA, Kumar B, Sharma S (2014). Variation of $\delta^{18}\text{O}$, δD and 3H in karst springs of south Kashmir, western Himalayas (India). Hydrological Processes. DOI: 10.1002/hyp.10162. (**IF: 2.497**)
 20. 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: 1.445**)
 21. Akhtar R. Mir, Zubair A. Bhat, Shabber H. Alvi and Balaram, V. (2014).Trace element geochemistry of black shales in Singhbhum mobile belt, Eastern India: implications for source

rock and paleoredox conditions. International Journal of Scientific Research, vol. 3(1), pp. 185-188. ISSN: 2277-8179

22. Ali Mohammed Dar, Akhtar R. Mir, K. Anbarasu, M. Satyanarayanan, V. Balaram, D.V Subba Rao, S.N. Charan (2014). Mafic and ultramafic rocks in parts of the Bhavani complex, Tamil Nadu, Southern India: Geochemistry constraints. Journal of Geology and Mining Research, Academic Journals, vol. 6(2), pp. 18-27, ISSN: 2006-9766.

23. Shamim A. Dar, K. F. Khan, Saif A. Khan, Akhtar R. Mir, H. Wani and V. Balaram. (2014). Uranium (U) concentration and its genetic significance in the phosphorites of the Paleoproterozoic Bijawar Group of the Lalitpur district, Uttar Pradesh, India. Arabian Journal of Geosciences, vol. 7, pp. 2237-2248, ISSN: 1866-7511, **IF: 0.74**

16. K. F. Khan, S. B. Khaki, Shamim A. Dar, Akhtar R. Mir, H. Wani and V. Balaram. (2014). Uranium (U) concentration and its genetic significance in the phosphorites of the Paleoproterozoic Bijawar Group of the Lalitpur district, Uttar Pradesh, India. *Arabian Journal of Geosciences*, Springer. vol. 7, pp. 2237–2248. (IF: 1.22)

2013

1. Reyaz Ahmad Dar, Rakesh Chandra, Shakil A Romshoo (2013). Morphotectonic and Lithostratigraphic Analysis of Intermontane Karewa Basin of Kashmir Himalayas, India. Journal of Mountain Science, Vol. 10, No. 1, pp. 731-741, DOI: 10.1007/s11629-013-2494-y, Vol. 10(1): 1-15 (**IF:1.00**)

2. Farrukh Altaf, Gowhar Meraj, Shakil A Romshoo (2013). Morphometric Analysis to Infer Hydrological Behavior of Lidder Watershed, Western Himalaya, India. ,” Geography Journal, vol. 2013, Article ID 178021, 14 pages, 2013. doi:10.1155/2013/17802

3. M. Shafi and Shakil A Romshoo (2013). Analysis of rangeland productivity of Lidder valley using geospatial techniques. International Geoinformatics Research and Development Journal (IGRDJ), Vol. 4(1)

4. Sumira Zaz and Shakil A Romshoo (2013). Recent Variation of Temperature, Trends in Kashmir Valley (India). *Journal of Himalayan Ecology & Sustainable Development*, Vol. 8, pages 42-63

5. Irfan Rashid, Shakil Ahmad Romshoo, Thatiparthi Vijayalakshmi. 2013. Geospatial modelling approach for identifying disturbance regimes and biodiversity rich areas in North Western Himalayas, India. Biodiversity and Conservation. DOI: 10.1007/ s10531-013-0538-9 [**IF-2.264**]

6. Irfana Showqi, Irfan Rashid, Shakil Ahmad Romshoo. 2013. Land use land cover dynamics as a function of changing demography and hydrology. Geo Journal. DOI : 10.1007/s10708-013-9494-x [**IF-0.81**]

7. Irfan Rashid, Majid Farooq, Mohammad Muslim, Shakil Ahmad Romshoo. 2013. Assessing the Impact of Anthropogenic Activities on Manasbal Lake in Kashmir Himalayas. International Journal of Environmental Sciences. 3(6): 2052-2063

8. Irfan Rashid, Shakil Ahmad Romshoo. 2013. Impact of anthropogenic activities on water quality of Lidder River in Kashmir Himalayas. Environmental Monitoring and Assessment. 185:4705–4719. DOI: 10.1007/s10661-012-2898-0 [**IF-1.592**]

9. Jeelani G, Kumar U S, Kumar B. (2013) Variation of $\delta^{18}\text{O}$ 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. (**IF: 2.656**); doi: 10.1016/j.jhydrol. 2012.12.035

10. Akhtar R. Mir, Shabber H. Alvi and Balaram, V. (2013). A subduction zone geochemical characteristic of the newer dolerite dykes in the Singhbhum craton, Eastern India. International Research Journal of Geology and Mining, vol. 3(6) pp. 213-223. ISSN:2276-6618.

11. F. A. Bhat, Mir Irshad, Akhtar R. Mir, Bilal Parveez, Mohd Iqbal, H. Sana. (2013). Hydrogeochemistry and Groundwater Quality for Drinking and Agricultural Purposes: A Case Study of Srinagar District, J&K, India. International Journal of Current Research and Review. vol. 5(10), pp.1-16. ISSN:2231-2196
12. F. A. Bhat, I. M. Bhat, Hamid Sana, Mohd Iqbal and Akhtar R. Mir. (2013). Identification of Geomorphic Signatures of Active Tectonics in the West Lidder Watershed, Kashmir Himalayas: Using Remote Sensing and GIS. International Journal of Geomatics and Geosciences, vol. 4(1), pp.164-176. ISSN: 0976-4380
13. Akhtar R. Mir, Shabber H. Alvi, Balaram V., F. A. Bhat, Sumira Z., Shamim A. Dar (2013). A subduction zone geochemical characteristic of the newer dolerite dykes in the Singhbhum craton, Eastern India. *International Research Journal of Geology and Mining*, vol. 3(6) pp. 213-223. ISSN:2276-6618.

2012

1. Riyaz A Dar and Shakil A Romshoo (2012). Estimating daily stream flow from the glacierized mountainous Kashmir Himalayan basin. *Journal of Research and Development*, Vol. 12, pp. 113-130
2. Bazigha Baddar, Shakil A Romshoo and M. A. Khan (2012). Modeling the catchment hydrological response in a Himalayan lake as a function of changing land system. *Earth System Science*(accepted) (**IF:0.95**).
3. Bazigha Baddar, Shakil Ahmad Romshoo and M. A. Khan (2012). Integrating biophysical and socio-economic information for prioritizing watersheds in the Kashmir Himalayan lake: a remote sensing and GIS approach. *Environmental Monitoring and Assessment*, (accepted) (**IF: 1.5**).
4. Shakil A Romshoo and Irfan Rashid (2012). Assessing the impacts of changing land cover and climate on Hokarsar wetland in Indian Himalayas. *Arabian Journal of Geosciences*, DOI: 10.1007/s12517-012-0761-9 (**IF:1.038**)
5. Gowhar Meraj, Shakil A Romshoo and A. R. Yousuf (2012). Geoinformatics Approach to Qualitative Forest Density Loss Estimation--A case study of Pir Panjal Range. *International Journal of Current Research and Review*, Vol. 4, No. 16: 47-61. ISSN No. 0975-5241, IC Value of Journal: 4.18
6. Sumira N. Zaz and Shakil A Romshoo (2012). Assessing the Geoindicators of Land Degradation in the Kashmir Himalayan Region, India. *Natural Hazards*, DOI: 10.1007/s11069-012-0293-3 (**IF:1.529**)
7. Shakil A. Romshoo, Shakeel A. Bhat and Irfan Rashid (2012): Geoinformatics for assessing the geomorphological control on the hydrological response at watershed scale in Upper Indus basin. *Earth System Science*, DOI: 10.1007/s12040-012-0192-8, vol. 121(3): 659-686 (**IF:0.95**)
8. Jeelani, G., J. J. Feddema, C. J. van der Veen, and L. Stearns (2012), Role of snow and glacier melt in controlling river hydrology in Liddar watershed (western Himalaya) under current and future climate, *Water Resources Research.*, 48, W12508, doi:10.1029/2011WR011590.
9. Jeelani G, Ahmad S, Absar A (2012). Essential and toxic elements in Karst springs of Kashmir. *Current Science.*, 103: 992-994.

2011

1. Shakil A. Romshoo and Mohammad Muslim (2011). Geospatial Modeling for Assessing the Nutrient load of a Himalayan Lake, *Environmental Earth Sciences*, DOI: 10.1007/s12665-011-0944-9, Vol. 64 (5): 1269:1282 (**IF: 0.70**)
2. Shakil A Romshoo, Nahida Ali and Irfan Rashid (2011). Geoinformatics for characterizing and understanding the spatio-temporal dynamics (1969-2008) of Hokarsar wetland in Kashmir Himalayas. *International Journal of Physical Sciences*, Vol. 6(5): 1026-1038. (**IF: 0.56**).

3. Mehnaz Lone, Mehjoor Lone and Shakil A Romshoo (2011). Geospatial tools for assessing land degradation in Budgam district, Kashmir Himalaya, India. *Journal of Earth System Science*, Vol.120(3):423-433 (IF:0.95)
4. 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*. 120 (5):921-932. Springer Verlag.
5. .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*, 120 (3): 399-411. Springer Verlag.
6. Akhtar R. Mir, Shabber H Alvi and V Balaram (2011). Geochemistry, petrogenesis and tectonic significance of the Newer Dolerites from the Singhbhum Orissa craton, eastern Indian shield. *International Geology Review*, vol. 53(1), pp. 46-60. ISSN: 0020-6814, (IF: 2.628)
7. Akhtar R. Mir, Shabber H Alvi and V Balaram (2011) Geochemistry of the mafic dykes in parts of the Singhbhum Granitoid complex: petrogenesis and tectonic setting. *Arabian Journal of Geosciences*, vol. (4), pp. 933-943. ISSN: 1866-7511, IF:1.22

2010

1. Shakil A Romshoo and Irfan Rashid (2010). Potential and Constraints of Geospatial Data for Precise Assessment of the Impacts of Climate Change at Landscape Level. *International Journal of Geomatics and Geosciences*, Vol. 1(3), pp. 386-405 Code : EIJGGS2009 (IF: 0.30)
2. Irfan Rashid and Shakil A Romshoo (2010). Landscape level vegetation characterization of lidder valley using Geoinformatics. *Journal of Himalayan Ecology and Sustainable Development*, Vol. 5, pp. 33-44.
3. Sumira Zaz, Shakil A Romshoo and Irfan Rashid (2010). Lineament Mapping of north western Kashmir Himalayas using remote sensing. *Journal of Himalayan Ecology and Sustainable Development*, Vol. 5, pp. 67-74
4. 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; doi.10.1016/j.jhydrol.2010.08.021 Elsevier.
5. Jeelani G (2010) Chemical and microbial contamination of Anantnag springs, Kashmir Valley. *Him. Ecol. Sustain. Dev.* 5:1-10.
6. 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.
7. Akhtar R. Mir, Shabber H Alvi, and V Balaram (2010). Geochemistry of mafic dikes in the Singhbhum Orissa craton: implications for subduction-related metasomatism of the mantle beneath the eastern Indian craton. *International Geology Review*, vol. 52(1), pp. 79-94. ISSN: 0020-6814, IF: 3.36

2009

1. Shakeel A. Bhat and Shakil A Romshoo (2009). Digital Elevation Model based watershed characteristics of upper watersheds of Jhelum basin. *Journal of Applied Hydrology*, Vol. XXI(2): 23-34
2. Shakeel A. Bhat and Shakil A Romshoo (2009). Assessing the impact of geomorphology and land cover on the surface runoff of a micro-watershed. *Journal of Himalayan Ecology and Sustainable Development*, Vol. 4, pp., 67-76

2008

1. Sana Khan and Shakil A Romshoo (2008). Integrated analysis of geomorphic, pedologic and remote sensing data for digital soil mapping. *Journal of Himalayan Ecology and Sustainable Development*, vol. 3(1):84-93
2. 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.
3. 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.
4. 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* vol. 29(1): 63-72.

2007

- 1 Bazigha Baddar and Shakil Ahmad Romshoo (2007). Modeling the non-point source pollution in the Dal lake catchment using geospatial tools. *Journal of Himalayan Ecology and Sustainable Development*, vol. 2(1), pp. 21-30.
2. Jeelani G & A Q Shah. (2007). Hydrogeochemistry of Dal Lake of Kashmir Valley. *Journal of Applied Geochemistry* vol. 9(1):120-134.
3. Jeelani G & A Q Shah. (2007). Hydrogeochemistry of Dal Lake of Kashmir Valley. *Journal of Applied Geochemistry* vol. 9(1):120-134.

2006

1. Watanabe, M., M. Shimada, , Rosenqvist, Shakil, A. Romshoo Kazuo Ohta, T. Tadono, M. Matsuoka and R. Furuta, (2006) Forest structure dependency of the relation between L-band s^0 and biophysical parameters. *IEEE Transactions on Geosciences and Remote Sensing (TGRS)*, Vol. 44, No. 11, pp. 3154-3165 (**IF: 2.995**)
2. Wang, H., Ouchi, K., Watanabe, M., Shimad, M. Tadono, T, Rosenqvist A, Shakil, A. Romshoo, M. Matsuoka and Moriyama, T and Urasuka S., (2006) In search of statistical properties of high-resolution polarimetric SAR data for the measurement of forest biomass beyond the RCS saturation limits. *IEEE Transactions on Geosciences and Remote Sensing Letters*, Vol. 3 No. 4 , pp 495-499 (**IF=1.42**)
3. 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

Books and Book Articles

2015

1. Shakil A Romshoo (2015). A Snapshot of the Changing Environment in the Jhelum Basin: a tributary of Indus. In Ramaswamy R. Iyer (Eds.), *Living Rivers Dying Rivers*. Oxford University Press.

2013

1. BazighaBadar, M. A. Khan and Shakil A Romshoo(2013). Geospatial modeling for impact assessment of changing land system on erosion and sediment yield in a micro-watershed of Dal lake, Kashmir Himalaya. In book: Environmental Management and Sustainable Agriculture-Hill

Region Agro-ecosystems. Edition: Ist, Publisher: APH Publ. Corp. New Delhi, Editors: M. A. Khan, pp.171-189

2012

1. Shakil A Romshoo (2012). Indus River Basin. Common Concerns and the Roadmap to Resolution. European Union sponsored publication, Centre for Dialogue and Reconciliation (CDR), New Delhi, 88 pages.https://www.researchgate.net/publication/236001988_Indus_River_Basin_Common_Concerns_and_the_Roadmap_to_Resolution

2011

1. Shakil A Romshoo (2011). Snow and Glaciers Studies. Sponsored by the Space Application Centre, ISRO and Ministry of Environment and Forests, Government of India.
2. Shakil A Romshoo (2011). Land degradation assessment and vulnerability analysis at village level using geospatial and socio-economic data. Sponsored by the Department of Space, Govt. of India.

2010

1. Shakil A Romshoo (2010). National Wetland Atlas: Jammu and Kashmir. Sponsored by Ministry of Environment and Forests, Government of India as a part of the project on National Wetland Inventory and Assessment (NWIA). SAC/RESA/AFEG/NWIA/ATLAS/16/2010
2. Shakil A. Romshoo et all Biodiversity Characterization at landscape level using Remote Sensing and GIS. Sponsored by Department of Space and Dept. of Biotechnology, Government of India.

2009

1. Shakil A. Romshoo Data Constraints in Precisely Quantifying the Indicators and Impacts of Climate Change: with special reference to snow, glaciers, hydrometeorology and wetlands. In: Advances in Geospatial Applications, Space Issues of the Indian Society of Geomatics Newsletter, Vol. 15 (1-4), December, 2009, pp. 30-45

2007

1. Jeelani G (2007). Hydrogeology of hard rock aquifer in Kashmir Valley: complexities and uncertainties. In: Ahmed S, Jayakumar R and Abdin S (ed), "*Groundwater dynamics in hard rock aquifers- including Sustainable management and optimal monitoring network design*" Springer Verlag, Netherland, p265