

## Publications / Journal: Year 2013

Title	Name of the Author (s) / (If multiple author from different department, include their department name also.	Name of the Journal/ Conference	Volume	Page No	Year of Publication
Ice volumes in the Himalayas and Karakoram: evaluating different, assessment methods,	Holger Frey, Horst Machguth, Christian Huggel, Samjwal Bajracharya, Tobias Bolch, Anil Kulkarni, Andreas Linsbauer, Markus Stoffel, Nadine Salzmann	Geophysical Research Abstracts	Vol. 15,	11226-1, 2013	EGU 2013
The effect of black carbon on reflectance of snow in the accumulation area of glaciers in the Baspa basin, Himachal Pradesh, India	A. V. Kulkarni, G. Vinay Kumar, H. S. Negi, J. Srinivasan, and S. K. Satheesh,	The Cryosphere Discussions	Vol 7, issue 2,	1359-1382	2013
Power generation using wind energy in northwest Karnataka, India	Ramasesha Sheela and Arindam Chakraborty	Current Science	Vol.104 No.6,	757-761	2013
The influence of debris-cover and glacial lakes on the recession of glaciers in Sikkim Himalaya, India	Smriti Basnett, Anil V. Kulkarni and Tobias Bolch	Journal of Glaciology	Vol. 59 No. 218	1035-1046	2013
Missing (in-situ) snow cover data hampers climate change and runoff studies in the Greater Himalayas	Mario Rohrer, Nadine Salzmann, Markus Stoffel and Anil V. Kulkarni	Science of the Total Environment	Vol. 470,	1-11	2013
Cross calibration of INSAT 3A CCD channel radiances with IRS P6 AWiFS sensor	S. K. Singh, B. K. Bhattacharya and A. V. Kulkarni	Journal of Earth System Science	Vol. 122 (4)	957-966	2013
Ice volume estimates for the Himalaya-Karakoram region: evaluating different methods	H. Frey, H. Machguth, M. Huss, C. Huggel, S. Bajracharya, T. Bolch, A. Kulkarni, A. Linsbauer, N. Salzmann, and M. Stoffel	The cryosphere discussions	Vol.7,	4813-4854	2013
Crevasses detection in Himalayan glaciers using Ground Penetrating Radar	K. K. Singh, H. S. Negi, A. Ganju, A. V. Kulkarni, A. Kumar, V. D. Mishra and S. Kumar	Current Science	Vol. 105 (09)	1288-1295	2013
Local and remote impacts of direct aerosol forcing on Asian monsoon	Chakraborty, A., Ravi S. Nanjundiaha, and J. Srinivasan	International Journal of Climatology	DOI: 10.1002/joc.3826		2013
Power generation using wind energy in northwest Karnataka	Ramasesha, S and Arindam Chakraborty	Current Science	Vol.104	757-761	2013

Radiative Impacts of Carbon Aerosols on South and East Asian Summer Monsoon: Proximate vs Remote	Chakraborty,A, R S Nanjundiah and J Srinivasan	International Journal of Climatology			2013
On the epochal variation of intensity of tropical cyclones in the Arabian Sea	M. Rajeevan, J. Srinivasan, K. Niranjana Kumar, C. Gnanaseelan and M. M. Ali	Atmospheric Science Letters	DOI: 10.1002/asl2.447		2013
Monsoon prediction: hits, misses and false alarms	Gadgil, S. and J. Srinivasan	Current Science,	Vol.104	1005	2013
The effect of black carbon on reflectance of snow in the accumulation area of glaciers in the Baspa basin, Himachal Pradesh,	A. V. Kulkarni, G. Vinay Kumar, H. S. Negi , J. Srinivasan and S. K. Satheesh	The Cryosphere Discussions	Vol.7,	1359-1382	2013
Unusual aerosol characteristics at Challakere in Karnataka	S.K. Satheesh, K.K. Moorthy, S.S. Babu and J. Srinivasan	Current Science,	Vol.104,	615-621	2013
Local and remote impact of direct aerosol heating in south Asia	A.Chakraborty, R.S.Nanjundiah and J.Srinivasan	International Journal of Climatology, online	DOI: 10.1002/joc.3826		2013
Predicting and managing extreme rainfall	J. Srinivasan	Current Science	Vol.105,	PG-1	2013
Effect of SST variation on ITCZ in APE simulations	K. Rajendran, A. Kitoh, and J. Srinivasan,	Journal Meteorological Society of Japan	Vol.91A, 195-215 pp. doi:10.2151/jmsj.2013-A06		2013
A study of vertical cloud structure of the Indian summer monsoon using Cloud Sat data,	Rajeevan,M.,P. Rohini, K. Niranjana Kumar ,J. Srinivasan C. K. Unnikrishnan	Climate Dynamics	Vol. 40,	637- 670,	2013