

Publications / Journal: Year 2012

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 // period of conference
The state and fate of Himalayan Glaciers	Tobias Bolch, Anil Kulkarni, Andreas Käab, Christian Huggel, Frank Paul, Graham Cogley, Holger Frey, Jeffrey S. Kargel, Koji Fujita, Marlene Scheel, Markus Stoffel, Samjwal Bajracharya	Current Science	Vol. 336	310-314	2012
Relative effect of slope and equilibrium line altitude on the retreat of Himalayan glaciers	T. N. Venkatesh, A. V. Kulkarni, and J. Srinivasan	The Cryosphere	Vol. 6,	301-311	2012
Remote Sensing Study of Snowline Altitude at the End of Melting Season, Chandra-Bhaga Basin, Himachal Pradesh	Pratima Pandey, Anil V. Kulkarni, G. Venkataraman	1980-2010, Geocarto International,	DOI:10.1080/10106049.2012.705336	1-12	2012
On the role of cloud adjustment time scale in simulating precipitation with Relaxed Arakawa-Schubert convection scheme	Jain, D. K., Arindam Chakraborty, and R S Nanjundiah	Meteorology and Atmospheric Physics	Vol.115	1-13	2012
"Longitudinal Localization of Tropical Intraseasonal Variability",	J. Sukhatme	Quarterly Journal of the Royal Meteorological Society	DOI: 10.1002/qj.1984		2012
"Two-dimensional Moist Stratified Turbulence the Emergence of Vertically Sheared Horizontal Flows"	J. Sukhatme, A.J. Majda and L.M. Smith	Physics of Fluids,	Vol.24	036602	2012
Atmospheric chemistry and climate	Satheesh S. K	Current Science	Vol.102,	426-439	2012

Multi-decadal variation of the net downward shortwave radiation over south Asia: The solar dimming effect	Kambezidis, H. D., Kaskaoutis, D. G., Kharol, SK, Moorthy, K.K, Satheesh, S. K. et al.,	Atmospheric Environment	Vol.50, DOI: 10.1016/j.atmosenv.2011	360-372,	2012
A novel variable resolution global spectral method on the sphere	Janakiraman, R S Nanjundiah and A S Vasudevamurthy	Journal of Computational Physics	Vol.231,	2794-2810	2012
Deforestation and forest degradation in India – implications for REDD	N. H. Ravindranath, Nalin Srivastava, Indu K. Murthy, Sumedha Malaviya, Madhushree Munsu and Nitasha Sharma	Current Science	Vol.102,		2012
Climate variability and farmer's vulnerability in a flood-prone district of Assam	Swati Chaliha., Asmita Sengupta., Nitasha Sharma and N.H. Ravindranath	International Journal of Climate Change Strategies and Management	Vol. 41,	179 – 200	2012
Farmers' vulnerability to climate variability in Dimapur district of Nagaland, India	Chubanaro Jamir., Nitasha Sharma., Asmita Sengupta., and N.H. Ravindranath	Environmental Change	DOI 10.1007/s10113-012-0324-		2012
Potential for Increasing Carbon Sinks in Himachal Pradesh	Murthy I. K., Alipuria Kumar Arvind and Ravindranath N H	Tropical Ecology,	Vol.53	357-369	2012
Climate change induced risk in water quality control problems	Rehana, S. and Mujumdar, P. P	Journal of Hydrology	Vol. 444 - 445	63-77	2012
On the linkage of mesospheric planetary waves with those of the lower atmosphere and ionosphere: A case study from Indian low latitudes	K. Niranjan Kumar,1 A. Taori,2 S. Sathishkumar,3 V. Kamalakar,4 R. Ghodpage,5 S. Gurubaran,3 P. T. Patil,5 S. V. B. Rao,4 and A. K. Patra2	Journal of Geophysical Research,	Vol. 117, a11303, doi:10.1029/2012ja018139,		2012
Analysis of large-amplitude stratospheric mountain wave event observed from the AIRS and MLS sounders over the western Himalayan region	K. Niranjan Kumar,1,2 T. K. Ramkumar,3 and M. Krishnaiah4	Journal of Geophysical Research,	Vol. 117, d22102, doi:10.1029/2011jd017410, 2012		2012

A study of vertical cloud structure of the Indian summer monsoon using CloudSat data	M. Rajeevan, P. Rohini, K. Niranjana Kumar J. Srinivasan , C. K. Unnikrishnan	Climate Dynamics	DOI 10.1007/s0 038 2-012-1374-		2012
Correlation between the Solution Chemistry to Observed Properties of CdTe Thin Films Prepared by CBD Method	Laxman Gouda, Yelameli Ramesh Aniruddha, Sheela K. Ramasesha	Journal of Modern Physics	Vol.3 No.12, DOI:10.4236/j mp.2012.3122 35	1870-1877	2012