

Publications / Journal: Year 2011

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
Climate change vulnerability profiles for North East India	N. H. Ravindranath, Sandhya Rao, Nitasha Sharma, Malini Nair, R Gopalakrishnan1, Ananya S. Rao, S Malaviya, R Tiwari, Anitha S, Madhushree M, Niharika K and G. Bala,	Current Science	VOL. 101	3-10	2011
Climate change and Indian forests	Ranjith Gopalakrishnan, Mathangi Jayaraman, Govindasamy Bala and N. H. Ravindranath	Current Science	VOL. 101	3	2011
Greenhouse gas inventory estimates for India	S K. Sharma, A Choudhury, P Sarkar, S Biswas, A Singh, P K. Dadhich, A K. Singh, S Majumdar, A Bhatia, M Mohini, R Kumar, C.S.Jha, M.S.R.Murthy, N. H. Ravindranath10, J K. Bhattacharya, M. Karthik, S. Bhattacharya and Rita Chauhan	Current Science	VOL. 101	3-10	2011
Tracing the source of bottled water using stable isotope techniques, Rapid Communications in Mass Spectrometry	Rangarajan R, Prosenjit Ghosh		Vol.25	3323-3330	2011
Role of water contamination within the GC column of GasBench II peripheral on the reproducibility of 18O/16O ratios in water samples, Isotopes in Environmental and Health studies	Rangarajan R, Prosenjit Ghosh		dx.doi.org/10.1080/10256016.2011.631007		2011
Cenozoic climatic record for monsoonal rainfall over the Indian region. "Climatology	Book edited by: Asst. Prof. Dr. Shih-Yu (Simon) Wang, Utah Climate Center, Department of Plants, Soil, and Climate, Utah State University, Logan, Utah, USA. K. Mohan and Prosenjit Ghosh	Intech open access publisher, ISBN	979-953-307-337-7.		2011
Implications of Climate Change for Water Resources Management", India Infrastructure Report, 2011 - Water : Policy and Performance for Sustainable Development	P P Mujumdar	IDFC: Oxford University Press, India			2011

Mechanisms controlling mixed -layer temperature variability in the eastern tropical Pacific on the intraseasonal timescale	D. J. Halkides, 1,3 Lisanne E. Lucas, 2 Duane E. Waliser, 3 Tong Lee, 3 and Raghu Murtugudde 4	GEOPHYSICAL RESEARCH LETTERS	VOL. 38,	L17602 doi:10.1029/ 2011 GL048545	2011
Predicting dissolved oxygen in the Chesapeake Bay: applications and implications	M. Bala Krishna Prasad · Wen Long · Xinsheng Zhang · Robert J. Wood · Raghu Murtugudde	Springer Basel AG: Aquatic Sciences	Vol.73 DOI 10.1007/s0002 7-011-0191	437–451	2011
Seasonal prediction of the Indian monsoon	Gadgil,Sulochana and J.Srinivasan	Current Science	Vol.100	343-353	2011
The role of vertical shear of the meridional winds in the northward propagation of ITCZ	Dixit,Vishal and J.Srinivasan	Geophysical Research Letters	Vol.38	L08812, doi:10.1029/ 2010GL046 601	2011
Impact of climate change on Indian forests: a dynamic vegetation modeling approach	R. K. Chaturvedi, R. Gopalakrishnan, M. Jayaraman, G. Bala, N. V. Joshi, R. Sukumar and N. H. Ravindranath	Mitigation Adaptation Strategies for global change	Vol.16	199-142	2011
Impact of climate change at species level: a case study of teak in India	R. Gopalakrishnan, M. Jayaraman, S. Swarnim, R. K. Chaturvedi, G. Bala and N. H. Ravindranath	Mitigation Adaptation Strategies for global change	Vol.16	199-209	2011
CO2-fertilization and potential future terrestrial carbon uptake in India	G. Bala, R. Gopalakrishnan, M. Jayaraman, R. Nemani and N. H. Ravindranath	Mitigation Adaptation Strategies for global change	Vol.16	143-160	2011
Climate change and forests in India: adaptation opportunities and challenges	Murthy I K, R. Tiwari and N. H. Ravindranath	Mitigation Adaptation Strategies for global change	Vol.16	166-175	2011
Implications of climate change on mitigation potential estimates for forest sector in India	N. H. Ravindranath, R. K. Chaturvedi, N. V. Joshi, R. Sukumar and J. Sathaye	Mitigation Adaptation Strategies for global change	Vol.16	211-227	2011
A macroeconomic analysis of adaptation to climate change impacts on forests in India	A. Aaheim, R. Gopalakrishnan, R. K. Chaturvedi, N. H. Ravindranath, A. D. Sagadevan, N. Sharma and T. Wei	Mitigation Adaptation Strategies for global change	Vol.16	229-245	2011

Forest policies and programs affecting vulnerability and adaptation to climate change	S. Afreen, N. Sharma, R. K. Chaturvedi, R. Gopalakrishnan and N. H. Ravindranath	Mitigation Adaptation Strategies global change	Vol.16	177-197	2011
Changes in seasonal snow cover in Hindu Kush-Himalayan region	D. R. Gurung, A. V. Kulkarni, A. Giriraj, K. S. Aung, B. Shrestha, and J. Srinivasan	The Cryosphere Discussions	Vol. 5	755-777	2011
Understanding changes in Himalayan Cryosphere using remote sensing technique	Kulkarni A. V., B. P. Rathore, S. K. Singh and I. M. Bahuguna	International Journal of Remote Sensing	Vol.32(3)	601-615	
Operationalization of snow and glacier melt runoff model to compute Hydropower Potential in Chenab basin, Himachal Pradesh, India	Rathore B. P., A. V. Kulkarni, S. S. Randhawa, I.M. Bahuguna and Ajai	Journal of Geomatics	Vol.4(1)	53-59	2011
Spectral characterization of soil and coal contamination on snow reflectance using hyperspectral analysis	Singh S.K., A. V. Kulkarni and B. S. Chaudhary	Journal Earth System Science	Vol.120 (2)	321-328.	2011
Dependence of surface climate response on the altitude of black carbon aerosols	G. Ban-Weiss, L. Cao, G. Bala, K. Caldeira	Climate Dynamics	DOI 10.1007/s00382-011-1052-y		2011
Why is there a short-term increase in global precipitation in response to diminished CO ₂ forcing	L. Cao, G. Bala, K. Caldeira	Geophys. Res.	Lett., 38, L06703, doi:10.1029/2011GL046713		2011
Free tropospheric black carbon aerosol measurements using high altitude balloon: Do BC layers build "their own homes" up in the atmosphere	Babu SS, Moorthy KK, Manchanda RK, Sinha PR, Satheesh, S.K., Vajja DP, Srinivasan S, Kumar VHA	GEOPHYSICAL RESEARCH LETTERS	Vol.38	DOI: 10.1029/2011GL046654	2011
Characterization of aerosol black carbon over a tropical semi-arid region of Anantapur, India	Kumar KR, Narasimhulu K, Balakrishnaiah G, Reddy BSK, Gopal KR, Reddy RR, Satheesh, S.K., Moorthy KK, Babu SS	ATMOSPHERIC RESEARCH	Vol.100	DOI: 10.1016/j.atmosres.2010.12.009, 12-27	2011
A comparison of three methods for downscaling daily precipitation in the	Raje D., and Mujumdar, P. P	Hydrological Processes	DOI: 10.1002/hyp.8083		2011

Punjab region					
River water quality response under hypothetical climate change scenarios in Tunga-Bhadra river, India	Rehena, Shaik and Mujumdar, P. P	Hydrological Processes	DOI: 10.1002/hyp.8057S		2011