

Curriculum Vitae

SURUCHI BHADWAL

TERI, DARBARI SETH BLOCK
HABITAT PLACE, LODHI ROAD
NEW DELHI - 110 003

PHONE +91 11 2468 2100/11
FAX +91 11 2468 2144/45
E-MAIL suruchib@teri.res.in

Suruchi Bhadwal has done her Masters in Environmental Sciences and has since then been working in the field of climate change. Her focus has been mainly on impacts, vulnerability and adaptation assessments working in close association with communities.

Some of the projects worth mentioning relating her involvement include a study on, Vulnerability to climate change in the Indian agricultural sector in the context of economic globalization, a study supported by CIDA and the Government of Norway, and her contribution to the Vulnerability and Adaptation component as part of India's first national communications submitted to the UNFCCC.

She has published several papers on related issues and is contributing to the IPCC AR4 WGII Report in the capacity of a Lead Author.

She has been closely associated with the International Human Dimensions Programme attending various open meetings and Institutes organised by them. She has attended the 2004 IHDP-IAI Global Environmental Change Institute on Globalisation and Food Systems held in Nicoya in Costa Rica and the Open Meeting organized in Bonn in 2005.

She has been actively involved in the capacity of an observer at the COP events and besides organizing various events, has also been contributing to the discussion papers through presentations delivered.

EDUCATION

1995 - 1997 Department of Environmental Sciences,
Kurukshetra University, Haryana
M.Sc. Environmental Sciences

1992 - 1995 Maitreyi College, University of Delhi, New Delhi
B.Sc. Environmental Sciences

PROFESSIONAL EXPERIENCE

<p>TRAINING</p>	<p>March 2005 till date Associate Fellow, Centre for Global Environment Research, TERI, New Delhi</p> <p>October 2000 to March 2005 Research Associate, Centre for Global Environment Research, TERI, New Delhi</p> <p>August 2000 to October 2000 Senior Research Fellow at Centre for Advancement in Sustainable Agriculture, New Delhi.</p> <p>February 1999 to May 2000 Junior Research Fellow at Indian Institute of Technology, Centre for Atmospheric Sciences, New Delhi.</p> <p>Attended one month training program in the Air Lab at Central Pollution Control Board, New Delhi in June 1995</p> <p>Attended one month training program at National Museum of Natural History, New Delhi in July 1995</p> <p>One month training course undertaken at SHRISHTI (Delhi based NGO)</p>
<p>RESEARCH PROJECTS</p>	<p>ONGOING PROJECTS</p> <ul style="list-style-type: none"> ▪ Principal Investigator of World Bank supported study on Addressing vulnerability to climate variability and change and identifying issues and options for adaptation ▪ Piloting an Implementation Project on Adaptation to Strengthen the Information Sharing System supported by UNEP, BHC, SDC ▪ Development of UNHDR on Climate Change and Development ▪ Development of a regional Background Paper on vulnerability and adaptation for UNFCCC, as part of the five-year programme on Vulnerability and Adaptation that has begun <p>COMPLETED PROJECTS</p> <ul style="list-style-type: none"> ▪ Contributions to IPCC AR4, chapter on methods for impacts, vulnerability and adaptation assessments ▪ DFID supported study with collaboration with ILRI on climate change and poverty mapping in Africa ▪ UNDESA supported research workshop on climate change and sustainable development ▪ Developing sustainable development indicators: land for the

<p>PUBLICATIONS</p>	<p>Ministry of Environment and Forests</p> <ul style="list-style-type: none"> ▪ Preparation of socioeconomic scenarios for climate change impact assessment for India, study supported by the UK DEFRA ▪ Studying the roles and responsibilities of sector institutions and devolution of powers to PRIs for the state of Uttaranchal for the World Bank ▪ Scoping study on ‘Climate Change Mitigation and Vulnerability and Adaptation to Climate Change’ undertaken for the British High Commission ▪ Vulnerability to climate change in the Indian agricultural sector in the context of economic globalization, study supported by CIDA ▪ National Communication project on Vulnerability and Adaptation to Climate Change in India, study supported by UNDP-GEF ▪ International workshop on “Enhancing adaptive capacity in developing countries”, supported by UNEP ▪ Contribution to Global Environmental Outlook 2003, section on ‘Environmental concerns in the Asia Pacific region’ ▪ DFID project on Cross-sectoral dialogue on sustainable development at the national level ▪ World Bank funded project on “Water Quality Monitoring in Swajal villages of Bundelkhand region of Uttar Pradesh” ▪ Review of Technical Papers constituting the Adaptation Policy Framework, supported by UNDP GEF ▪ Appraisal of initial steps towards a V&A framework for India with special focus on water resources, study supported by INFRAS ▪ UNFPA funded project on “Impacts of population growth on water availability” <ul style="list-style-type: none"> ▪ Bhadwal S and Singh R. 2002. Carbon sequestration estimates for forestry options under different land use scenarios in India. Current Science. Volume No. 83 (Issue Number 11): pp 1380 - 1387. ▪ Kelkar U, Bhujanga Rao D.D, Bhadwal S, Girisha G. K and Javed A. Climate change and Economic changes in India: The impacts on agriculture in Assessment of Climate Change in India and Mitigation Policies. (Ed: Dash S. K and Rao Prakash): pp 52 – 61. ▪ Krishnan R, Bhadwal S, Sreekesh S, Javed A and Singhal S. 2003. Water stress in Indian villages. Economic Political Weekly.
---------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

September 13-19. Vol XXXVIII No 37. pp. 3879 to 3884.

- O'Brien K, -----Bhadwal S. 2003. Mapping Vulnerability to Multiple Stressors: Climate Change and Globalization in India. Global Environmental Change.
- Narula K K and Bhadwal S. 2004. GIS based evaluation of the impact of climate change on hydrology for better decision making at a river basin level in India in Natcom Workshop Proceedings on Vulnerability and Adaptation due to Climate Change.
- Bhadwal S, Singhal S, Krishnan R and Kelkar U. 2004. Global Environmental Change. Variation in Impacts Across Regions and Within Populations. IHDP Update Newsletter. 01/ 2004. pp 11 – 12.
- Leary N, Huq S and Bhadwal S. Issue brief on Scientific and Technical Capacity Building in Support of Adaptation.
- O' Brien KarenBhadwal S. 2003. Vulnerability of Indian agriculture to climate change and economic changes in Mainstreaming Biodiversity and Climate Change. pp 41 – 47.
- Livia B and Suruchi B. Global Environmental Change, Gender and Human Security. 2006. IHDP Update (Accepted for publication)
- Bhandari P, Bhadwal S and Kelkar U. Examining adaptation and mitigation opportunities in the context of the integrated watershed management programme of the Government of India. 2006. MITI Special Issue on Climate Change (Accepted for publication)

PAPERS IN BOOKS

- Bhadwal S, Bhandari P, Javed A, Kelkar U, O'Brien Karen and Barg S. TERI 2003. Coping with global change: vulnerability and adaptation in Indian agriculture, pp 1 – 32.
- Bhadwal S, Javed A and Kelkar U. TERI 2003. GIS application in mapping vulnerability for the agricultural sector in India in Environmental threats, vulnerability and adaptation: case studies from India. pp 41 – 52.
- Narula K K and Bhadwal S. TERI 2003. Impact of climate change on hydrology for better decision-making at a river basin level in Environmental threats, vulnerability and adaptation: case studies from India. pp 55 – 78.
- Krishnan R, Bhadwal S, Javed A, Singhal S and Sreekesh S. TERI 2003. Vulnerability to water-related stress: case studies in Indian villages in Environmental threats, vulnerability and adaptation: case studies from India. pp 79 - 91.

<p>NATIONAL & INTERNATIONAL CONFERENCES/ WORKSHOPS</p>	<p>PRESENTATIONS IN CONFERENCES/WORKSHOPS</p> <ul style="list-style-type: none"> ▪ Bhadwal S. COP 12/ MOP 2, Nov 2006 on Strengthening the Information Sharing System in India ▪ Bhadwal S. COP 12/ MOP 2, Nov 2006 on Adaptive Policymaking ▪ Bhadwal S. COP11/ MOP 1, Dec 2005 on Strengthening the Information Sharing System in India ▪ Bhadwal S. IHDP Open Meeting 2005. Bonn, Germany. Examining the mitigation and adaptation opportunities in the IWMP of the GoI ▪ Bhadwal S. IHDP Open Meeting 2005. Bonn, Germany. GEC, Gender and Human Security ▪ Bhadwal S. International Workshop on Community Level Adaptation to Climate Change. 16-18 Jan 2005. Dhaka ▪ Bhadwal S. IFS Training Programme. Impact of climate change on ecosystems. 24th August 2004, New Delhi, India. ▪ Narula K and Bhadwal S. Impact of climate change on water resources: a case study in Dehradun. IGES workshop on Adaptation. Organised by IGES and the Himalayan Climate Centre, 3 – 5 March 2004, Kathmandu, Nepal. ▪ Bhadwal S. Vulnerability of Indian agriculture to climate change and economic changes. Adaptation Day at COP 9. Organised by IIED and the Ring Alliance, 9th December 2003, Milan, Italy. ▪ Bhadwal S. Vulnerability of Indian agriculture to climate change and economic changes. PAC Meeting. Organised by TERI, 17th November 2003, New Delhi, India. ▪ Bhadwal S. Coping with a changing climate: vulnerability and adaptation in the Indian agricultural sector to climate change and economic changes. IHDP Open Meeting on Global Environmental Change. Organised by IHDP. 16-18 October 2003, Montreal, Canada. ▪ Cabral M, Laguna G, Wit M and Bhadwal S. Climate Change: Perspectives from Developing Countries. Presentation at the Federal Ministry of Education and Research. Organised by Julich Research Centre, Summer School on Identifying mitigation and adaptation options for developing countries, 16th September 2003, Bonn, Germany. ▪ Bhadwal S and Kelkar U. Environmental Vulnerability. Project meeting on “Cross-sectoral dialogue on sustainable development”. Organised by TERI, 4th August 2003, New Delhi, India. ▪ Bhadwal S. Tools and techniques used to assess vulnerability & adaptation. Regional Workshop on Mainstreaming Biodiversity and Climate Change. Organised by IUCN, 8th April 2003,
------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	<p>Dehradun, India.</p> <ul style="list-style-type: none"> ▪ Bhadwal S. Key vulnerabilities, information and capacity needs. AIACC Asia-Pacific Region Open Meeting. Organised by AIACC, 24th March 2003, Bangkok, Thailand. ▪ Bhadwal S. Tools and techniques used to assess vulnerability & adaptation. AIACC Regional Workshop. Organised by AIACC, 25-27th March 2003, Bangkok, Thailand. ▪ Bhadwal S. Climate Change: Impacts, Vulnerability and Adaptation. TN IFS Officers Training Programme. Organised by TERI, 8 March 2003, New Delhi, India ▪ IHDP- IAI 2004 Global Environmental Change Institute on Globalization and Food Systems, Nicoya, Costa Rica ▪ IPCC AR4 WG II Lead Author's Meeting, 18-24 September 2004, Vienna, Austria ▪ Attended a one week training on Regional Climate Models conducted by the Hadley Centre in Bhutan, 20-24 July, 2004 ▪ IGES Workshop on Adaptation, 2 – 6 March 2004, Kathmandu, Nepal ▪ COP 9, 1-12 December 2003, Milan, Italy ▪ IHDP Open Meeting on Global Environmental Change, 16 –18 October 2003, Montreal, Canada ▪ Summer School on Identifying mitigation and adaptation options in developing countries, 6 – 17 September 2003, Bad Munsterifel, Germany ▪ Vulnerability Assessment & Adaptation for Agriculture & Forestry, 18-19 July 2003, Bangalore, India ▪ Vulnerability Assessment & Adaptation for Water Resources, Coastal Zones & Human Health, 27-28 June 2003, New Delhi, India ▪ Regional Workshop on Mainstreaming Biodiversity and Climate change, Dehradun, India ▪ AIACC Asia-Pacific Region Open Meeting, 24 March 2003, Bangkok, Thailand ▪ AIACC Asia-Pacific Region Workshop, 25 -27 March 2003, Bangkok, Thailand ▪ Eighth session of Conference of Parties to UNFCCC, 23 - 1 November 2002, New Delhi, India ▪ Inter-regional Conference organized by DA on Adaptation to Climate Change, 18-20 October 2002, New Delhi, India ▪ Government of India, UNEP and CGIAR South Asia Expert Workshop on Adaptation to Climate Change for Agricultural Productivity, 1-3 May 2002, New Delhi, India ▪ World Wildlife Fund-India and Indian Institute of Technology-
--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>LANGUAGES KNOWN</p>	<p>Delhi workshop on Assessment of Climate Change in India, 28 February-1 March 2002, New Delhi, India</p> <ul style="list-style-type: none"> ▪ NPL Workshop on Good Practices in Inventory Preparation, 27-30 November 2001, New Delhi, India ▪ TERI-IGES Climate Policy Dialogue, 26-27 November 2001, New Delhi, India ▪ TERI capacity building workshop on Developing CDM Projects in Asia, 4-5 October 2001, New Delhi, India ▪ TERI-IGPO Indo-Australian Bilateral Meet on CDM, 11-12 September 2001, New Delhi, India ▪ Asia Pacific Network workshop on Fine Resolution Simulations of Climate Change for Southeast Asia, 10 Jan to 12 Feb 2000, Melbourne, Australia <p>English and Hindi</p>
----------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------