

HARINI NAGENDRA

Asia Research Coordinator
Center for the Study of Institutions, Population,
and Environmental Change (CIPEC)
Indiana University, 408 N. Indiana Avenue
Bloomington, IN 47408-3742, USA
Telephone: (+1) 812 856 3102; Fax: (+1) 812 855 2634; Email: nagendra@indiana.edu
Internet: <http://mypage.iu.edu/~nagendra>

Faculty Fellow
Ashoka Trust for Research in Ecology
and the Environment (ATREE),
659 5th A Cross, Hebbal
Bangalore 560024, India

ACADEMIC APPOINTMENTS

Oct '03-present **Swiss Federal Institute of Technology (ETH), Zurich**
Society in Science: Branco Weiss Fellow

Sep '00-present **Indiana University, Bloomington**
Asia Research Coordinator, Center for the Study of Institutions, Population,
and Environmental Change (CIPEC)

May '03-present **Ashoka Trust for Research in Ecology and the Environment (ATREE)**
Faculty Fellow

July '03-present **Indian Academy of Sciences**
Associate Member

Mar-May 2005 **Wissenschaftskolleg zu Berlin: Institute for Advanced Studies**
Guest of the Rektor

Feb '99 - Sep '00 **Indian Institute of Science**
Research Associate, Centre for Ecological Sciences

Jan - Oct '98 **University of California at San Diego**
Visiting Researcher, Department of Evolutionary Biology and Ecology

EDUCATION

Dec. 1998 **Ph.D., Centre for Ecological Sciences, Indian Institute of Science**
Dissertation: Using satellite imagery to assess species diversity within a
landscape context: Studies in the Western Ghats, India

March 1995 **M.S., Biological Sciences, Indian Institute of Science**
Dissertation: On the distribution of plant diversity at the landscape level: A
case study from Siddapur Taluk of Karnataka

July 1992 **B.Sc., Bangalore University**
Major subjects: Microbiology, Chemistry and Zoology

AWARDS

2003 One of the first three international Society in Science: Branco Weiss research
fellowships by the Swiss Federal Institute of Technology to fund innovative
interdisciplinary research at the interfaces of science and society

2003 Invited associate member, Indian Academy of Sciences

2002 One of seven "global change SysTEM for Analysis, Research and Training
(START)" Young Scientist Awards given internationally for an outstanding
published research paper in the area of global environmental change

2001 Indian National Science Academy's Young Scientist Medal for research
contributions to Science and Technology in India

2001 Indian National Science Academy's Professor LSS Kumar Memorial Award
for research in the Plant Sciences

1999 Shamrao Kaikini award for best doctoral thesis in the Divisions of Biological
and Chemical Sciences, Indian Institute of Science

RESEARCH INTERESTS

- Landscape Ecology: Linking Spatial Pattern with Human Process
- Local and Regional Drivers of Land Use/Land Cover Change in South Asia
- Biodiversity and Forest Change in Community Forests and Parks
- Satellite Remote Sensing for Biodiversity Monitoring

PUBLICATIONS

Peer-Reviewed Academic Journals

- 2006 J. Southworth, **H. Nagendra** and D. K. Munroe. Introduction to the special issue: Are parks working? Exploring human-environment tradeoffs in protected area conservation. Forthcoming in *Applied Geography*.
- 2006 **H. Nagendra**, S. Pareeth and R. Ghate. People within parks: Forest villages and fragmentation in the Tadoba-Andhari Tiger Reserve, India. Forthcoming in *Applied Geography*.
- 2005 R. Ghate and **H. Nagendra**. Institutional performance in forest management: Botanical evidence. Forthcoming in *Conservation and Society*.
- 2005 **H. Nagendra**, B. Karna and M. Karmacharya. Cutting across space and time: Examining forest co-management in Nepal. *Ecology and Society* 10(1): 24. [online] URL: <http://www.ecologyandsociety.org/vol10/iss1/art24/>.
- 2005 **H. Nagendra**, B. Karna and M. Karmacharya. Examining institutional change: Leasehold forestry in Nepal. *Conservation and Society* 3(1): 72-91.
- 2005 C.M. Tucker, D.K. Munroe, **H. Nagendra** and J. Southworth. Comparative spatial analyses of forest conservation and change in Honduras and Guatemala. *Conservation and Society* 3(1): 174-200.
- 2004 **H. Nagendra**, J. Southworth, C.M. Tucker, M. Karmacharya, B. Karna and L.A. Carlson. Remote sensing for policy evaluation: Monitoring parks in Nepal and Honduras. *Environmental Management* 34(5): 748-760. (Note: Publisher has listed authors incorrectly as Nagendra, Tucker, Carlson, Southworth, Karmacharya, Karna).
- 2004 **H. Nagendra**, D. Munroe and J. Southworth. Introduction to the special issue. From pattern to process: Landscape fragmentation and the analysis of land use/land cover change. *Agriculture, Ecosystems and Environment* special issue on "From Pattern to Process: Landscape Fragmentation and the Analysis of Land Use/Land Cover Change" 101 (2-3): 111-115, eds. D. Munroe, J. Southworth and H. Nagendra.
- 2004 J. Southworth, **H. Nagendra**, L. Carlson and C.M. Tucker. Forest fragmentation in a protected area: Celaque National Park, Honduras. *Applied Geography* 24(4): 303-322.
- 2004 J. Southworth, D. Munroe and **H. Nagendra**. Land cover change and landscape fragmentation: Comparing the utility of continuous and discrete analyses for a study area in Western Honduras. *Agriculture, Ecosystems and Environment* 101(2-3): 185-205.
- 2003 **H. Nagendra**, J. Southworth and C.M. Tucker. Accessibility as a determinant of landscape transformation in Western Honduras: Linking pattern and process. *Landscape Ecology* 18(2): 141-158.
- 2003 **H. Nagendra** and G. Utkarsh. Landscape ecological planning through a multi-scale characterization of pattern: studies in the Western Ghats, South India. *Environmental Monitoring and Assessment* 87(3): 815-833.
- 2003 E. Ostrom, G.L. Green, S. Sweeney, N. Vogt, **H. Nagendra**, C. Schweik, M. Batistella, E. Castellanous, V.H. Ramos, and R. Robles. Supporting online material (<http://www.sciencemag.org/cgi/content/full/302/5652/1907>) to the article by Thomas Dietz, Elinor Ostrom and Paul Stern entitled "The Struggle to Govern the Commons. *Science*, Vol 302, Dec 12.
- 2003 C. Schweik, **H. Nagendra** and D.R. Sinha. Using satellites to search for forest management innovations in Nepal. *Ambio*, 32(4): 312-319.
- 2002 **H. Nagendra**. Tenure and forest conditions: Community forestry in the Nepal Terai. *Environmental Conservation*, 29(4): 530-539.
- 2002 **H. Nagendra**. Opposite response of the Shannon and Simpson indices of landscape diversity. *Applied Geography*, 22(2): 175-186.
- 2002 J. Southworth, **H. Nagendra** and C.M. Tucker. Fragmentation of a landscape: Incorporating landscape metrics into satellite analyses of land cover change. *Landscape Research*, 27(3): 253-269.
- 2001 **H. Nagendra**. Using remote sensing to assess biodiversity. *International Journal of Remote Sensing*, 22(12): 2377-2400.
- 2001 **H. Nagendra**. Defining local conservation priorities: Assessing the impact of landscape transformation. *Biodiversity and Conservation*, 10(3): 353-365.

- 1999 **H. Nagendra** and M. Gadgil. Biodiversity assessment at multiple scales: Linking remotely sensed data with field information. *Proceedings of the National Academy of Sciences, USA*, 96(16): 9154-9158.
- 1999 **H. Nagendra** and M. Gadgil. Satellite imagery as a tool for monitoring species diversity: an assessment. *Journal of Applied Ecology*, 36(3): 388-397.
- 1999 **H. Nagendra**. Power corrupts - absolute power corrupts absolutely. *Conservation Ecology* 3(2): r1. [online] URL: <http://www.consecol.org/vol3/iss2/resp1>.
- 1998 **H. Nagendra** and M. Gadgil. Linking regional and landscape scales for assessing biodiversity: A case study from Western Ghats. *Current Science*, 75(3): 264-271.
- 1997 **H. Nagendra** and M. Gadgil. (1997). Remote sensing as a tool for estimating biodiversity. *Journal of Spacecraft Technology*, 7(2): 1-9.

Book Chapters

- 2006 **H. Nagendra**, 5 articles
 "Community involvement",
 "Decentralization",
 "Forest anomalies"
 "Himalaya",
 "Regrowth".
 Forthcoming in *The Earth's Changing Land: An Encyclopedia of Land-Use and Land-Cover Change*, ed. Helmut Geist, Greenwood Publishing Group, Inc.
- 2006 **H. Nagendra** and E. Ostrom. Institutions, collective action and forest degradation: Learning from studies in Nepal. Forthcoming in *Sage Handbook on Environment and Society*, eds. J. Pretty, A. Ball, T. Benton, J. Guivant, D. Lee, D. Orr, M. Pfeffer and H. Ward.
- 2005 J. Unruh, **H. Nagendra**, G.M. Green, B.J. McConnell and N. Vogt. Cross-continental comparisons: Africa and Asia. In *Seeing the Forest and the Trees: Human-Environment Interactions in Forested Ecosystems*, eds. Emilio Moran and Elinor Ostrom, MIT Press, Cambridge Massachusetts, pp. 303-324.
- 2004 G. Joseph, J. Krishnaswamy, B. Talukdar and **H. Nagendra**. The Phobjikha Wetland, the Black-necked Cranes and Community Livelihoods: An Integrated Assessment. For the Royal Society for the Protection of Nature (RSPN) Bhutan.
- 2004 **H. Nagendra** and C.M. Schweik. Forests and management: A case study in Nepal using Remote Sensing and GIS. In *100 Geographic Solutions to Saving Planet Earth: Association of American Geographers Centennial Volume*, eds. B. Warf, K. Hansen, and D. Janelle. Kluwer Academic Publishers, Boston, USA, pp. 391-396.
- 2004 J. Southworth, D. Munroe, **H. Nagendra** and C.M. Tucker. Forest degradation and fragmentation within Celaque National Park, Honduras. In *100 Geographic Solutions to Saving Planet Earth: Association of American Geographers Centennial Volume*, eds. B. Warf, K. Hansen, and D. Janelle. Kluwer Academic Publishers, Boston, USA, pp. 305-310.
- 2000 K.P. Achar, G. K. Bhatta, D. D. Bhat, A. Ganguly, Y. Gokhale, **H. Nagendra**, P. Pramod and G. Utkarsh. Linking college education to environmental monitoring and management: A case study from India. In *Communicating Sustainability*, ed. W. L. Filho, pp 205-228. Peter Lang Scientific Publishers, Bern, Switzerland.
- 1996 M. Gadgil, S. N. Singh, **H. Nagendra** and M. D. S. Chandran. Guidelines for in-situ conservation of wild relatives of cultivated plants: guiding principles and a case study. *Food and Agriculture Organization of the United Nations and Indian Institute of Science*, Bangalore, India.

Non-refereed Publications

- 2005 **H. Nagendra**. Book Review: The Economics of Land Use, in The International Library of Environmental Economics and Policy, ed. Peter J. Parks & Ian W. Hardie. *Landscape Research* 30(4): 559-571.
- 2004 **H. Nagendra** and A. Agrawal. More people, more trees? Examining community forestry in Nepal's Terai. *IHDP UPDATE: Newsletter of the International Human Dimensions Programme on Global Environmental Change*, 01/04: 13.
- 2004 C.M. Tucker, D.K. Munroe, J. Southworth and **H. Nagendra** (2004). Trading spaces: Following the impact of forest-coffee conversions on Honduran livelihoods. *IHDP*

- UPDATE: Newsletter of the International Human Dimensions Programme on Global Environmental Change, 01/04: 14-15.
- 2003 **H. Nagendra**. From species to landscapes: Integrating remote sensing with biodiversity monitoring strategies. *DIVERSITAS: An International Programme of Biodiversity Science: Newsletter* 5: 8-9.
- 2003 **H. Nagendra**. Book review: Bridging Human and Ecological Landscapes: Participatory Research and Sustainable Development in an Andean Agricultural Frontier, ed. R. E. Rhoades. *Landscape Ecology* 18(4): 445-446.
- 2003 **H. Nagendra**. Book review: Late Night Thoughts on Listening to Mahler's Ninth Symphony, and The Youngest Science, by Lewis Thomas. *Resonance: Journal of Science Education*, 8(9), 90-91.
- 2000 **H. Nagendra**. Book review: Digital Remote Sensing, by Prithvish Nag and M. Kudrat. *Current Science*, 79(6), pp. 903.
- 2000 **H. Nagendra**. Book review: The Medusa and the Snail, by Lewis Thomas. *Resonance: Journal of Science Education*, 5(5), 102-103.
- 2000 **H. Nagendra**. Book review: The Lives of a Cell, by Lewis Thomas. *Resonance: Journal of Science Education*, 5(2), 80-81.
- 1999 **H. Nagendra**. Costs and benefits of social groups. *Jantar Mantar: Children's Science Observatory*, October 1999, 18-20.
- 1999 **H. Nagendra**. Biodiversity in the Western Ghats. [GIS@development: South Asia's first GIS/GPS bimonthly](http://egj.lib.uidaho.edu/egj11/nagendra1.html), 3(5) - September/October 1999, 36, 41.
- 1999 **H. Nagendra**. Book review: Deep Vegetarianism by Michael Allen Fox. *Electronic Green Journal* [online] URL: <http://egj.lib.uidaho.edu/egj11/nagendra1.html>
- 1999 **H. Nagendra**. Re-discovering Nain Singh. *Current Science*, 77(5), 716-717.
- 1999 **H. Nagendra**. Web site review: Game theory web site by Ken Prestwich. *Resonance: Journal of Science Education*, 4(8), 91-93.
- 1999 **H. Nagendra**. Mapmakers: Techniques of cartography. *Resonance: Journal of Science Education*, 4(8), 8-15.
- 1999 **H. Nagendra**. Mapmakers: Going places! *Resonance: Journal of Science Education*, 4(6), 8-14.
- 1999 **H. Nagendra**. Mapmakers: The province of philosophers. *Resonance: Journal of Science Education*, 4(4), 6-11.

CONFERENCES

- 2005 S. Pareeth and **H. Nagendra**. Institutions, Protected Areas and Land Use – A Landscape Framework for Conservation in India. *Society for Conservation Biology: First Asia Section Meeting*, Kathmandu, Nepal, 17-20 November.
- 2005 **H. Nagendra**, S. Pareeth, B. Karna and M. Karmacharya. Integrating Satellite Image Analysis with Field Data for a Multi-Scale Assessment of Local Institutions and Biodiversity Distribution in Nepal. *First DIVERSITAS International Conference on Biodiversity*, Oaxaca, Mexico, 9-12 November.
- 2005 **H. Nagendra** and S. Pareeth. Forest Conservation in the South Asian Landscape: Discrete and Continuous Views. *6th Open Meeting of the Human Dimensions of Global Environmental Change Research Community*, University of Bonn, Germany, 9-13 October.
- 2005 **H. Nagendra**. Problems of Collective Action in Natural Resource Management. *Conflict Resolution: Bringing Together Biologists and Social Scientists*, Wissenschaftskolleg: Institute of Advanced Studies, Berlin. 4-7 May.
- 2005 **H. Nagendra**. Remote sensing and biodiversity assessments: On what scales and on which organisational level (genetic diversity, species richness, ecosystem diversity) are remotely derived variables useful predictors/indicators for biodiversity? Keynote contribution to the Electronic Conference on 'Landscape scale biodiversity assessment, the problem of scaling', European Platform for Biodiversity Research Strategy (EPBRs), March 7-23.
- 2004 **H. Nagendra**, J. Southworth, C.M. Tucker, B. Karna and M. Karmacharya. Remote Sensing for Policy Evaluation: Monitoring Parks in Nepal and Honduras. *2004 meeting of the International Association for the Study of Common Property*, 9-14 August, Oaxaca, Mexico.

- 2004 **H. Nagendra**, B. Karna and M. Karmacharya. Disentangling a complex web: Nepal's People and Parks program. *100th meeting of the Association of American Geographers*, 14-19 March, Philadelphia.
- 2004 D. Munroe, **H. Nagendra** and J. Southworth. Protection, topography and market accessibility: Examining forest fragmentation in Celaque National Park, Western Honduras. *100th meeting of the Association of American Geographers*, 14-19 March, Philadelphia.
- 2004 **H. Nagendra** and J. Southworth. Seeing reforestation patterns, inferring institutional processes. *1st International Young Scientists Global Change Conference*, 16-19 November, Trieste, Italy.
- 2003 J. Southworth, D. Munroe and **H. Nagendra**. Investigating alternatives to classification analyses: From models to landscapes. *5th Open Meeting of the Human Dimensions of Global Environmental Change Research Community*, 18 October, Montreal, Canada.
- 2003 **H. Nagendra**. Decentralization in Nepal: Evaluating community forestry through space and time. *99th Annual Meeting of the Association of American Geographers*, 4-8 March, New Orleans.
- 2003 J. Southworth, D. Munroe and **H. Nagendra**. Fragmentation and Land Cover Change Research: Addressing the issues of continuous vs. discrete analyses. *99th Annual Meeting of the Association of American Geographers*, 4-8 March, New Orleans.
- 2002 **H. Nagendra**. Forests and decentralization in Nepal: Views across time and space. *International Conference on Environmental History of Asia*. 4-7 December, New Delhi, India.
- 2002 C.M. Tucker, D. Munroe, **H. Nagendra** and J. Southworth. Analyzing social and environmental processes in Honduras and Guatemala: The complementarity of ethnographic and spatially explicit approaches. *101st Annual Meeting of the American Anthropological Association*. 20-24 November, New Orleans.
- 2002 **H. Nagendra**, J. Southworth and C. Tucker. Accessibility as a determinant of landscape transformation in Western Honduras: Linking pattern and process. *98th Annual Meeting of the Association of American Geographers*, 23-29 March, Los Angeles.
- 2002 L. Carlson, **H. Nagendra**, G. Green and C.M. Schweik. A methodology for identifying institutional arrangements using remote sensing and GIS. *98th Annual Meeting of the Association of American Geographers*, 23-29 March, Los Angeles.
- 2002 J. Southworth, **H. Nagendra** and C.M. Tucker. Forest Cover Change in a Western Honduras Community: Accessibility and Protection as Determinants of Landscape Transformation. *Working Forests in the Tropics: Conservation through Sustainable Management*, February 25-26, University of Florida, Gainesville.
- 2001 J. Southworth, **H. Nagendra** and C.M. Tucker. Using landscape metrics to interpret land cover change in Western Honduras and to monitor infringement into Celaque National Park. *86th Annual Meeting of the Ecological Society of America*, 5-10 August, University of Wisconsin, Madison, Wisconsin.
- 2001 C.M. Tucker, J. Southworth and **H. Nagendra**. Environmental and social processes contributing to reforestation trends in Western Honduras. *Global Change Open Science Conference*, 10-13 July, Amsterdam, The Netherlands.
- 2001 **H. Nagendra**, J. Southworth and C.M. Tucker. Using landscape metrics to interpret trajectories of land cover change: A case study in Western Honduras. *16th Annual Symposium of the U.S. Chapter of International Association of Landscape Ecology*, pp. 177 (25-29 April, Arizona State University, Tempe, Arizona).
- 2000 **H. Nagendra**. Assessing the influence of patch type in determining patch structure: Studies in the Western Ghats, India. *Multifunctional Landscapes: Interdisciplinary Approaches to Landscape Research and Management*, ed. J. Brandt, B. Tress and G. Tress, pp. 217 (18-21 October, Roskilde). Centre for Landscape Research, Roskilde, Denmark.
- 2000 **H. Nagendra**. Comparing indices of ecotope and landscape structure derived from supervised and unsupervised classification: Studies in the Western Ghats of India. *International Archives of Photogrammetry and Remote Sensing*, Vol. XXXIII, Part B7, 955-961 (Proceedings of the 19th ISPRS Congress, 16-23 July, Amsterdam).
- 1999 **H. Nagendra** and M. Gadgil. Ecological analysis and modeling: Issues and challenges. *International Society for Photogrammetry and Remote Sensing Commission VII, Working Group 2 - Application of Remote Sensing and GIS for*

Sustainable Development, 8-14 (11-13 March, Dehradun). ISPRS Working Group VII/2 and National Remote Sensing Agency, Hyderabad, India.

INVITED PRESENTATIONS

- 2005 **H. Nagendra**. Integrating Society in Science. *Swiss Federal Institute of Technology (ETH), Zurich*. January 24th.
- 2004 **H. Nagendra**. Science and Society – Integrating Social and Ecological Perspectives on Forest Conservation. *Towards a Co-Evolution of Science and Society: Indian National Science Academy Seminar, Chennai*, December 27th.
- 2004 **H. Nagendra**. Developing an Interdisciplinary Research Program on Institutions and Forest Change in Nepal. *Strategy Building Workshop for the Eastern Himalayas Programme (EHP), Ashoka Trust for Research in Ecology and the Environment, Jaldapara Wildlife Sanctuary*, December 16th.
- 2004 **H. Nagendra**. Decentralization in Nepal: Forest Changes Across Time and Space. *Ashoka Trust for Research in Ecology and the Environment (ATREE) Seminar Series, Bangalore*, July 7th.
- 2004 **H. Nagendra**. Trees, People, Pixels: Human-Forest Interactions in the Tropics. *Indian Academy of Sciences Fifteenth Mid-Year Meeting, Indian Institute of Science, Bangalore*, July 2nd.
- 2004 **H. Nagendra**. Remote Sensing for Biodiversity Conservation: Developing Methods for the Tropics. *Symposium on Conservation of India's Biological Diversity, Indian Institute of Science, Bangalore*, May 31st.
- 2004 **H. Nagendra**. Human-Forest Interactions in the Tropics. *Wissenschaftskolleg zu Berlin Institute for Advanced Study, Berlin*, April 28th.
- 2004 **H. Nagendra**. Peopling the Remote: Linking Remote Sensing with Field Studies to Investigate the Human Dimensions of Forest Change. *Swiss Federal Institute of Technology (ETH), Zurich*. January 29th.
- 2003 **H. Nagendra**. Contextualizing the Remote: Exploring Process/Pattern Linkages. *Land Use and Environmental Change Institute Colloquium Series, University of Florida, Gainesville, Florida*. February 21st.
- 2003 **H. Nagendra**. From the Local to the Regional: Institutions, Policies and the Human Dimensions of Forest Conservation. *Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore, India*. January 2nd.
- 2002 **H. Nagendra**. Cutting Across Space and Time: Analyzing Changes in Forest Cover and Biodiversity in Mountainous Developing Areas. *School of Environment, Resources and Development, Asian Institute of Technology, Bangkok, Thailand*. September 4th.
- 2002 C.M. Schweik, **H. Nagendra** and D.R. Sinha. Using Remote Sensing to Search for "Institutional Anomalies" in Forest Management: A Case Study in Nepal. *Meeting of the International Forestry Resources and Institutions (IFRI) Research Network, Kenya Forestry Research Institute, Nairobi, Kenya*. June 27th.
- 2002 **H. Nagendra**. Locating a Needle in a Haystack? The Search for Spatial Anomalies in Nepal. *National Science Foundation External Board Review, Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University, Bloomington, Indiana*. April 4th.
- 2002 Unruh, J., and **H. Nagendra**. Cross Continental Comparisons: Africa and Asia. *Center for the Study of Institutions, Population, and Environmental Change (CIPEC) Colloquium Series, Indiana University, Bloomington, Indiana*. February 20th.
- 2002 **H. Nagendra**. Linking Process with Pattern: Roads, Terrain and Landscape Dynamics. *Center for the Study of Institutions, Population, and Environmental Change (CIPEC) Open Forum, Indiana University, Bloomington, Indiana*. February 14th.
- 2001 **H. Nagendra**. Monitoring Human Impacts on Land Cover Change in Developing Countries: Forging Integrated Approaches. *Center for Interdisciplinary Studies in Environment and Development – Ashoka Trust for Research in Ecology and the Environment (CISED-ATREE) Seminar Series, Bangalore, India*. December 10th.
- 2001 **H. Nagendra**, J. Southworth and C.M. Tucker. Accessibility and Protection as Determinants of Landscape Transformation in Western Honduras: Linking Pattern

- and Process. *Environmental Science Seminar, School of Public and Environmental Affairs (SPEA), Indiana University, Bloomington, Indiana*. October 4th.
- 2001 **H. Nagendra**, J. Southworth and C.M. Tucker. Fragmentation of a Landscape. *Center for Ecological Sciences Seminar Series, Indian Institute of Science, Bangalore, India*. April 9th.
- 2000 H. Nagendra. Incorporating Landscape Transformation into Local Conservation Prioritization: A Case Study in the Western Ghats, India. *Center for the Study of Institutions, Population, and Environmental Change (CIPEC) Colloquium Series, Indiana University, Bloomington, Indiana*. November 20th.

PROFESSIONAL SERVICE

- Sep 2004 - present Guest editor, *Applied Geography*, special issue "Do Parks Work? Examining Tradeoffs in Protected Area Conservation". Collaborators: Jane Southworth, University of Florida; Darla Munroe, Ohio State University.
- Nov 2005 Co-Organizer and Chair, panel on "Remote Sensing for Biodiversity Assessment" at the First DIVERSITAS International Conference on Biodiversity, Oaxaca, Mexico, 9-12 November 2005. Co-Chair: Donald Potts.
- Sep 2005 Co-organizer and Chair, panel on "Contextualizing the Pixel: Comparing Continuous and Discrete Methods for Regional Studies of Human Dimensions on Land-Use/Cover Change (LUCC) Research", at the 6th Open Meeting of the Human Dimensions of Global Environmental Change Research Community, University of Bonn, Germany, 9-13th October 2005. Co: Chairs: Jane Southworth and Darla Munroe.
- March 2004 Guest Editor, *Agriculture, Ecosystems and Environment*, special issue "Landscape Fragmentation and the Analysis of Land Use/Land Cover Change: from Pattern to Process" Vol. 101 (Issues 2-3). Collaborators: Darla Munroe, University of North Carolina; Jane Southworth, University of Florida.
- March 2004 Organizer and Chair, "Are parks working? Exploring tradeoffs in protected area conservation", Special Sessions I, II, III and IV at the 100th Annual Meeting of the Association of American Geographers, 14-19 March 2004, Philadelphia. Co-chairs: Darla Munroe and Jane Southworth.
- March 2003 Member, DIVERSITAS science and implementation plan scoping meeting: Core Project 1 "Discovering biodiversity and predicting its changes", 19-21 March 2003, Paris, France.
- March 2002 Co-chair, Special Session on "Landscape Fragmentation and the Analysis of Land Use/Land Cover Change: From Pattern to Process", Sessions I - III, 98th Annual Meeting of the Association of American Geographers, 23-29 March 2002, Los Angeles. Chair: Darla Munroe.
- 1998 - present Peer Review for *Agriculture, Ecosystems and Environment; Annals of the Association of American Geographers; Biodiversity and Conservation; Biological Conservation; Biotropica; Conservation and Society; Current Science; Ecological Applications; Environmental Conservation; Environmental Management; Geoarchaeology; International Journal of Remote Sensing; Journal of Biosciences; Journal of Environmental Management; Landscape Ecology; Landscape and Urban Planning; Millennium Ecosystem Assessment; Mountain Research and Development; National Environment Research Council (NERC) Research Grants; National Geographic Research and Exploration Grants; Professional Geographer; Resonance: Journal of Science Education, Springer Plant Science Book Series*.
- 1994-1997 Core member, Western Ghats Biodiversity Network: design, training, coordination and execution of a decentralized program of landscape mapping and biodiversity assessment involving over 50 researchers.

PROFESSIONAL SOCIETIES

- Indian Academy of Sciences
- Association of American Geographers
- International Association of Landscape Ecology
- International Association for the Study of Common Property

- Mountain Research Forum

TEACHING

1. Nagendra, H. (2005). Institutions and Landscape Change. In *Advances in Landscape Ecology, MSc. Wildlife Biology Course, National Center for Biological Sciences, Bangalore, August 5th*.
2. Nagendra, H. (2004). Socio-Economic Drivers of Landscape Change. In *International Certificate Course in GIS/RS Applications for Landscape Ecology, Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore, August 6th*.
3. Nagendra, H. (2004). Principles of Landscape Ecology: Analysis of Landscape Pattern. In *International Certificate Course in GIS/RS Applications for Landscape Ecology, Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore, August 6th*.
4. Nagendra, H. (2004). Accessibility as a Determinant of Landscape Transformation in Western Honduras: Linking Pattern and Process. In *Seminar Series on 'Space Matters: Research That Uses Geospatial Information, GIScience, Remote Sensing, and Other Spatial Matters', Stanford University, April 7th*.
5. Nagendra, H. (2004). Remote Sensing and Geographical Information Systems: Spatial methods for conservation analysis. In *Conservation Biology, School of Public and Environmental Affairs, Indiana University, March 30th*.
6. Nagendra, H. (2003). Principles of Landscape Ecology for Biodiversity Assessment. In *Peoples' Biodiversity Register Awareness-cum-Training Workshop, Indian Institute of Science, April 30th*.
7. Nagendra, H. (2002). Research in Asia. In *Center for the Study of Institutions, Population, and Environmental Change (CIPEC) Summer Institute on Environmental Monitoring and Assessment Applications, Indiana University, May 28th*.
8. Nagendra, H. (2001). Research in Asia. In *Center for the Study of Institutions, Population, and Environmental Change (CIPEC) Summer Institute on Environmental Monitoring and Assessment Applications, Indiana University, May 29th*.
9. Nagendra, H. (2000). Using Remote Sensing to Assess Biodiversity in India. In *Natural Resources Management Program, Forest Science Division, International Institute for Aerospace Survey and Earth Sciences (ITC), The Netherlands, July 18th*.
10. Nagendra, H. (2000). Syllabus development and seven one-hour lectures in a three-credit graduate course on Remote Sensing for Natural Resource Management, Space Technology Cell, Indian Institute of Science, Bangalore, Spring 2000.
11. Nagendra, H. (2000). Six three-hour laboratory sessions on remote sensing in a two-credit graduate course on Remote Sensing and Geographical Information Systems, Space Technology Cell, Indian Institute of Science, Bangalore, Spring 2000.
12. Nagendra, H. (1999). Five three-hour laboratory sessions on remote sensing classification and spatial pattern analysis in a six-credit graduate course on Laboratory Research in the Biological Sciences, for Integrated PhD. students, Division of Biological Sciences, Indian Institute of Science, Bangalore, Spring 1999.
13. Nagendra, H. (1995-1997). Field, laboratory and classroom training in landscape classification, and development of field manuals for landscape mapping, for members of the Western Ghats Biodiversity Network, coordinated by the Centre for Ecological Sciences, Indian Institute of Science.