

Journal Articles

1. H. Nagendra, R. Ghate and J. Rao. Governing India's commons: the influence of Elinor Ostrom's ideas. Forthcoming in IUCN Policy Matters.
2. H. Nagendra, H. S. Sudhira, M. Katti, M. Tengö and M. Schewenius (2014). La urbanización y su impacto sobre el uso de la tierra, la biodiversidad y los ecosistemas en la India. *Interdisciplina 2*: 169–178. (Adapted from Nagendra, Sudhira, Katti et al. 2013).
3. H. Nagendra, H. Unnikrishnan and S. Sen (2014). Villages in the city: spatial and temporal heterogeneity in rurality and urbanity in Bangalore, India. *LAND 3*: 1-18.
4. M. Jaganmohan, L.S. Vailshery and H. Nagendra (2013). Patterns of insect abundance and distribution in urban domestic gardens in Bangalore, India. *Diversity 5*: 767-778.
5. P. Mairota, V. Leronni, W. Xi, D. Mladenoff and H. Nagendra (2013). Using spatial simulations of habitat modification for adaptive management of protected areas: Mediterranean grassland modification by woody plant encroachment. *Environmental Conservation* doi:10.1017/S037689291300043X.
6. J.R. Matta, R. Ghate and H. Nagendra (2013). The sustainability of traditional community forest management systems: lessons from India. *Unasylva 240*: 50-56.
7. H. Nagendra, B. Reyers and S. Lavorel (2013). Impacts of land change on biodiversity: making the link to ecosystem services. *Current Opinions in Environmental Sustainability 5*: 503-508.
8. L.S. Vailshery, M. Jaganmohan and H. Nagendra (2013). Effect of street trees on microclimate and air pollution in a tropical city. *Urban Forestry and Urban Greening 12*: 408-415.
9. S. Agarwal, L.S. Vailshery, M. Jaganmohan and H. Nagendra (2013). Mapping urban tree species using very high resolution satellite imagery: comparing pixel-based and object-based approaches. *ISPRS International Journal of Geo-Information 2*: 220-236.
10. V. Tomaselli, P. Dimopoulos, C. Marangi, A.S. Kallimanis, M. Adamo, C. Tarantino, M. Panitsa, M. Terzi, G. Veronico, F. Lovergine, H. Nagendra, R. Lucas, P. Mairota, S. Mücher and P. Blonda (2013). Translating land cover/land use classifications to habitat taxonomies for landscape monitoring: a Mediterranean assessment. *Landscape Ecology 28*: 905-930.
11. H. Nagendra, R. Ghate and J. Rao (2013). Governing the commons. *Seminar India 641*: 88-93.
12. H. Nagendra, R. Lucas, J.P. Honrado, R.H.G. Jongman, C. Tarantino, M. Adamo, P. Mairota (2013). Remote sensing for conservation monitoring: Assessing protected areas, habitat extent, habitat condition, species diversity and threats. *Ecological Indicators 33*: 45-59.
13. P. Mairota, B. Cafarelli, L. Boccaccio, V. Leronni, R. Labadessa, V. Kosmidou, H. Nagendra (2013). Using landscape structure to develop quantitative baselines for protected area monitoring. *Ecological Indicators 33*: 82-95.
14. D. Rocchini, L. Delucchi, G. Bacaro, P. Cavallini, H. Feilhauer, G.M. Foody, K.S. He, H. Nagendra, C. Porta, C. Ricotta, S. Schmidlein, L.D. Spano, M. Wegmann, M. Neteler (2012). Calculating landscape diversity with information theory-based indices: A Grass GIS solution. *Ecological Informatics 72*: 82-93.

15. D. Rocchini, G.M. Foody, H. Nagendra, C. Ricotta, M. Anand, K.S. He, V. Amici, B. Kleinschmit, M. Förster, S. Schmidtlein, H. Feilhauer, A. Ghisla, M. Metz, M. Neteler (2013). Uncertainty in ecosystem mapping by remote sensing. *Computers and Geosciences* 50: 128-135
16. H. Nagendra and E. Ostrom (2012). Polycentric governance of forest resources. *International Journal of the Commons* 6: 104-133.
17. M. Jaganmohan, L.S. Vailshery, D. Gopal and H. Nagendra (2012). Plant diversity and distribution in urban domestic gardens and apartments in Bangalore, India. *Urban Ecosystems* 15: 911-925.
18. H. Nagendra, S. Nagendran, S. Paul and S. Pareeth (2012). Graying, greening and fragmentation in the rapidly expanding Indian city of Bangalore. *Landscape and Urban Planning* 105: 400-406.
19. M. Iyer, H. Nagendra and M.B. Rajani (2012). Using satellite imagery and historical maps to investigate the contours of Lalbagh. *Current Science* 102: 507-509.
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21. H. Nagendra (2012). Assessing relatedness and redundancy of forest monitoring and change indicators. *Journal of Environmental Management* 95: 108-113.
22. P. Mondal and H. Nagendra (2011). Trends of forest dynamics in tiger landscapes across Asia. *Environmental Management* 48: 781-794.
23. H. Nagendra and E. Ostrom (2011). The challenge of forest diagnostics. *Ecology and Society* 16: 20. [online] URL: <http://www.ecologyandsociety.org/vol16/iss2/art20/>.
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28. H. Nagendra, D. Rocchini and R. Ghate (2010). Beyond parks as monoliths: Spatially differentiating park-people relationships in the Tadoba Andhari Tiger Reserve in India. *Biological Conservation* 143: 2900-2908.
29. H. Nagendra and D. Gopal (2010). Street trees in Bangalore: Density, diversity, composition and distribution. *Urban Forestry and Urban Greening* 9: 129-137.
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31. N. Lele, H. Nagendra and J. Southworth (2010). Accessibility, demography and protection: Drivers of forest stability and change at multiple scales in the Cauvery basin, India. *Remote Sensing* 2: 306-323.
32. H. Nagendra (2010). Maps, lakes and citizens. *Seminar India* 613: 19-23.
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36. H. Nagendra and R. Ghate (2009). Ostrom on India and Nepal. *Economic and Political Weekly* 44: 4.
37. D. Rocchini, H. Nagendra, R. Ghate and B. Cade (2009). Spectral distance decay: assessing species beta-diversity by quantile regression. *Photogrammetric Engineering and Remote Sensing* 75: 1225-1230.
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41. H. Nagendra and Y. Gokhale (2008). Management regimes, property rights, and forest biodiversity in Nepal and India. *Environmental Management* 41:719-733.
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43. D.K. Munroe, H. Nagendra and J. Southworth (2007). Monitoring landscape fragmentation in an inaccessible mountain area: Celaque National Park, Western Honduras. *Landscape and Urban Planning* 83: 154-167.
44. H. Nagendra (2007). Drivers of reforestation in human-dominated forests. *Proceedings of the National Academy of Sciences USA* 104: 15218-15223.
45. E. Ostrom and H. Nagendra (2007). Tenure alone is not sufficient: monitoring is essential. *Environmental Economics and Policy Studies* 8: 175-199.
46. H. Nagendra (2007). Communities and conservation. *Seminar India* 577: 45-50.
47. E. Ostrom and H. Nagendra (2006). Insights on Linking Forests, Trees, and People from the Air, on the Ground, and in the Lab. *Proceedings of the National Academy of Sciences USA* 103: 19224-19331.
48. J. Southworth, H. Nagendra and D. K. Munroe (2006). Are parks working? Exploring human-environment tradeoffs in protected area conservation. *Applied Geography* 26: 87-95.

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53. C.M. Tucker, D.K. Munroe, H. Nagendra and J. Southworth (2005). Comparative spatial analyses of forest conservation and change in Honduras and Guatemala. *Conservation and Society* 3: 174-200.
54. H. Nagendra, J. Southworth, C. Tucker, M. Karmacharya, B. Karna and L.A. Carlson (2004). Monitoring parks through remote sensing: Studies in Nepal and Honduras. *Environmental Management* 34: 748-760.
55. H. Nagendra, D. Munroe and J. Southworth (2004). From pattern to process: landscape fragmentation and the analysis of land use/land cover change. *Agriculture, Ecosystems and Environment* 101: 111-115.
56. J. Southworth, H. Nagendra, L. Carlson and C. Tucker (2004). Assessing the impact of Celaque National Park on forest fragmentation in western Honduras. *Applied Geography* 24: 303-322.
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66. H. Nagendra and M. Gadgil (1999). Biodiversity assessment at multiple scales: Linking remotely sensed data with field information. *Proceedings of the National Academy of Sciences USA* 96: 9154-9158.
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69. H. Nagendra and M. Gadgil (1997). Remote sensing as a tool for estimating biodiversity. *Journal of Spacecraft Technology* 7: 1-9.

Books

H. Nagendra and J. Southworth, eds (2010). *Reforesting Landscapes: Pattern and Process*. Springer Landscape Series, Dordrecht, The Netherlands.

Book Chapters

1. H. Nagendra, R. Sivaram and S. Subramanya. Citizen action and lake restoration in Bengaluru (2014). Forthcoming in *Nature Without Borders*, eds. M. Rangarajan, G. Shahabuddin and M.D. Madhusudan, Orient Blackswan.
2. C.G. Boone, C. L. Redman, H. Blanco, D. Haase, J. Koch, S. Lwasa, H. Nagendra, Pauleit, S.T.A. Pickett, K.C. Seto, and M. Yokohari (2014). Reconceptualizing urban land use. Forthcoming in *Rethinking Global Land Use in an Urban Era*, ed. K. C. Seto and A. Reenberg. Cambridge: MIT Press.
3. J. Liu, V. Hull, E. Moran, H. Nagendra, S. Swaffield, and B.L. Turner II (2014). Applications of the telecoupling framework to land change science. Forthcoming in *Rethinking Global Land Use in an Urban Era*, ed. K. C. Seto and A. Reenberg. Cambridge: MIT Press.
4. T. Elmqvist, M. Fragkias, J. Goodness, B. Guneralp, R. McDonald, P. Marcotullio, R.I. McDonald, S. Parnell, M. Schewenius, M. Sandstad, K.C. Seto, C. Wilkinson, with: M. Alberti, C. Folke, N. Frantzeskaki, D. Haase, M. Katti, J. Nagendra, J. Niemelä, S.T.A. Pickett, C.L. Redman, K. Tidball, 2013. Stewardship of the Biosphere in the Urban Era. In *Urbanization, Biodiversity, and Ecosystem Services: Challenges and Opportunities*, ed. T. Elmqvist et al., Chapter 33, pp. 719-746.
5. H. Nagendra, H.S. Sudhira, M. Katti and M. Schewenius. Sub-regional assessment of India: Effects of urbanization on land use, biodiversity and ecosystem services. In *Urbanization, Biodiversity, and Ecosystem Services: Challenges and Opportunities*, ed. Thomas Elmqvist et al., Chapter 6, pp. 65-74 .
6. H.S. Sudhira and H. Nagendra. Local assessment of Bangalore: Graying and greening in Bangalore - Impacts of urbanization on ecosystems, ecosystem services and biodiversity. In *Urbanization, Biodiversity, and Ecosystem Services: Challenges and Opportunities*, ed. T. Elmqvist et al., Chapter 7, pp. 65-74.

7. H. Nagendra, P. Mondal, S. Adhikari, and J. Southworth (2012). Peopled parks: Forest change in India's protected landscapes. In *Human-Environment Interactions: Current and Future Directions*, eds. E. Brondizio and E. F. Moran, Springer, Dordrecht, pp. 113-140.
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9. P. Blonda, P. Dimopoulos, M. Petrou, R. Jongman, H. Nagendra, D. Iasillo, A. Arnoud, P. Mairota, J. Jhonrado, E. P. Schioppa, R. Lucas, L. Durieux, L. Candela, J. Inglada (2012). BIOdiversity Multi-source Monitoring System: from Space TO Species (BIO_SOS). In *Let's embrace space – space research achievements under the 7th programme, Volume II*, pp. 32-42, Publication Office of the European Union.
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12. H. Nagendra (2010). Reforestation and regrowth in the human dominated landscapes of South Asia. In *Reforesting Landscapes: Pattern and Process*, eds H. Nagendra and J. Southworth, Springer Landscape Series, Dordrecht, pp 149-174.
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16. E. Ostrom and H. Nagendra (Lead Authors); Peter Saundry (Topic Editor). 2007. Governing the commons in the new millennium: A diversity of institutions for natural resource management. In: *Encyclopedia of Earth*. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [First published in the *Encyclopedia of Earth* November 16, 2007; Last revised November 17, 2007; Retrieved November 19, 2007].
<http://www.eoearth.org/article/Governing_the_commons_in_the_new_millennium:_A_diversity_of_institutions_for_natural_resource_management>.

17. H. Nagendra and E. Ostrom (2007). Institutions, collective action and forest degradation: Learning from studies in Nepal. In *The Sage Handbook of Environment and Society*, eds. J. Pretty, A. Ball, T. Benton, J. Guivant, D. R. Lee, D. Orr, M. J. Pfeffer and H. Ward, Sage Publications, London, pp 578-589.
18. H. Nagendra. 2006. Entries in *Our Earth's Changing Land: An Encyclopedia of Land-Use and Land-Cover Change*, 2 vols., ed. Helmut Geist. Westport, Conn.: Greenwood Press.
19. Community Involvement, p. 137.
20. Decentralization, p. 155.
21. Forest Anomalies, p. 239.
22. Himalayas, pp. 281–285.
23. Reforestation, pp. 501–502.
24. J. Unruh, H. Nagendra, G.M. Green, B.J. McConnell and N. Vogt (2005). 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.
25. G. Joseph, J. Krishnaswamy, B. Talukdar and H. Nagendra (2004). *The Phobjikha Wetland, the Black-necked Cranes and Community Livelihoods: An Integrated Assessment*. For the Royal Society for the Protection of Nature (RSPN) Bhutan.
26. H. Nagendra and C.M. Schweik (2004). 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.
27. J. Southworth, D. Munroe, H. Nagendra and C.M. Tucker (2004). 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.
28. K.P. Achar, G. K. Bhatta, D. D. Bhat, A. Ganguly, Y. Gokhale, H. Nagendra, P. Pramod and G. Utkarsh. (2000). 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.
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Science Outreach

1. H. Nagendra (2012). Nobel Laureate, supporter of Bengaluru's lake revival, passes away. *Citizen Matters*, 20th June.
2. H. Nagendra, M. Jaganmohan, L.S. Vailshery, D. Gopal (2012). Biodiversity in patches. *Deccan Herald*, 12th June.
3. H. Nagendra (2012). Use eye in the sky to manage forest cover. *Economic Times*, 12th May.

4. H. Nagendra (2012). Biodiversity and the city: Challenges for Bengaluru. Expert Perspectives in The Imperative of Hope: WIPRO Sustainability Report 2010-2011, pp. 46-48.
5. H. Nagendra (2011). Green were the citizens? Citizen Matters, 11th July.
6. H. Nagendra (2011). Role of communities: An eye on the forest. Deccan Herald, 14th June.
7. H. Nagendra (2011). Tree-killers having a free run in Bangalore. Deccan Herald, 4th January.
8. H. Nagendra (2011). We need city-level green plans. Daily News Analysis (DNA) Bangalore, 2nd January.
9. H. Nagendra (2010). How green was my Mekhri circle. Bangalore Mirror, 28 December.
10. H. Nagendra (2010). Biodiversity and the city. The Hindu Survey of the Environment 2010.
11. H. Nagendra (2010). Ringing out the old. Deccan Herald, 31st August.
12. E. Ostrom and H. Nagendra (2010). Be diverse. In Our Planet: The Magazine of the United Nations Environmental Programme, May, pp 10-13.
13. H. Nagendra (2010). Whither giant trees? Deccan Herald, 6th July.
14. H. Nagendra (2010). Biodiversity must be priority of this decade. Daily News Analysis (DNA) Bangalore, 11th June.

Awards

- 2013 Elinor Ostrom Senior Scholar Award for Collective Governance of the Commons
- 2007 Cozzarelli Prize for best Proceedings of the National Academy of Sciences paper in Sustainability, co-authored with Elinor Ostrom
- 2002 START (“global change SysTEM for Analysis, Research and Training”) Young Scientist award
- 2001 Indian National Science Academy (INSA) Young Scientist Medal
- 2001 Indian National Science Academy (INSA) Professor LSS Kumar Memorial Award
- 1999 Shamrao Kaikini award for best doctoral thesis in Biological and Chemical Sciences, Indian Institute of Science
- International Science Committees:
- Lead Author, Working Group III, Intergovernmental Panel on Climate Change (IPCC) Annual Report 5
- Scientific Committee member, ICSU Programme on Ecosystem Change and Society (PECS)
- Scientific Committee member, DIVERSITAS: International Programme of Biodiversity Science
- Scientific Steering Committee member, Global Land Project
- Capacity Building Committee Expert member, Asia Pacific Network for Global Environmental Change (APN)