

Sharachchandra (Sharad) Lele got a B.Tech. in Electrical Engineering in IIT Bombay (1984) but then decided that environmental studies was more exciting and socially relevant. So he did an M.S. on the environmental impacts of large dams at the Indian Institute of Science, Bangalore (1987) and then a Ph.D. in Energy and Resources from the University of California, Berkeley (1993), focusing on forest use in the Western Ghats. Since then, he has worked at Pacific Institute, Harvard University, and Institute for Social & Economic Change. He co-founded the Centre for Interdisciplinary Studies in Environment & Development in 2001, and led it till 2009, when it merged with the Ashoka Trust for Research in Ecology and the Environment (ATREE), Bengaluru, an applied research institute working on conservation and sustainable development (www.atree.res.in). He led the Centre for Environment & Development at ATREE till 2018. He is now the Distinguished Fellow in Environmental Policy & Governance at ATREE.

Sharad is an interdisciplinary environmental researcher, bridging the natural sciences, economics, and political science to understand the concepts of and pathways to environmentally sustainable and socially just development. He has worked on sustainable forest management and forest governance, forest hydrology and farmer linkages, watershed development, water governance and pollution regulation. He is currently leading a major project on the impacts of climate change on water management in rapidly urbanizing basins in peninsular India, and is involved in other studies on water management in Bangalore city.

Sharad's academic work includes publications in *World Development*, *Water International*, *Water Policy*, *Wires Water*, *Water Resources Research*, *Journal of Environmental Management*, *Energy*, *Conservation Biology*, *Ecological Economics*, and *Journal of Peasant Studies*. He has co-authored a book on "*Community-based Natural Resource Management in South Asia*", published by Sage in 2007, and his edited volume titled "*Democratising Forest Governance in India*" was published by Oxford University Press in 2014. His edited volume "*Rethinking Environmentalism: Linking Justice, Sustainability and Diversity*" is being released by MIT Press in 2018. He is a founder-member and past President of the Indian Society for Ecological Economics and a past Board member of the International Society for Ecological Economics. He is an Associate Editor of *Ecological Economics*, and on the editorial boards of *COSUST*, *Sustainability Science* and *Journal of Peasant Studies*.

In policy-related work, Sharad has served on the MoEF-MoTA Joint Committee on the Forest Rights Act, and the Elephant Task Force appointed by the Karnataka High Court. He is currently serving on the Bellandur Lake Monitoring Committee in Bengaluru, on the MoEF's Expert Appraisal Committee for Thermal Power Plants and Coal Mining, and Secretary of the Task Group for Water Policy set up by the Karnataka Jnana Aayoga (Karnataka Knowledge Commission) in January 2018.

For more details, see <https://www.atree.res.in/users/dr-sharachchandra-lele>

SHARACHCHANDRA LELE

Date of Birth: 12 Nov 1962

EDUCATION

Ph.D. in Energy and Resources, University of California, Berkeley, 1987-93

Dissertation: "*Degradation, Sustainability, or Transformation: A case study of villagers' use of forest lands in the Malnaad region of Uttara Kannada district, India.*"

M.Sc.(Engg.) in Systems Science, Indian Institute of Science, Bangalore, 1984-86

Thesis: "*An Optimization Model for Macro-Hydel Projects Incorporating Energy/Economic Costs of Land Submergence*"

B.Tech. in Electrical Engineering, Indian Institute of Technology, Bombay, 1979-84

POSITIONS HELD (post-PhD)

Senior Fellow and Convenor, Centre for Environment & Development, Ashoka Trust for Research in Ecology and the Environment, Bangalore, 2009-till date.

Senior Fellow & Coordinator (and also co-founder), Centre for Interdisciplinary Studies in Environment and Development, Bangalore, 2001-2009.

Project Director, ISEC-Pacific Institute project on "Ecology, Economics, & Institutions of Forest Use in the Western Ghats", Institute for Social & Economic Change, Bangalore, 1995-2001.

Fellow, Biodiversity, Forestry & Rural Energy Division, Tata Energy Research Institute, 1995-1998.

Visiting Fellow, Harvard Institute for International Studies, Harvard University, Aug.1994-Jan 1995.

Senior Research Associate, Pacific Institute for Studies in Development, Environment and Security, Oakland, U.S.A., June 1993-June 1994.

FELLOWSHIPS

- Royal Bank of Canada Water Fellowship, Water Institute, University of Waterloo, Jan-Feb 2016
- Andrew Mellon Foundation Visiting Lecturership, Allegheny College, USA, January 2013.
- Charles Wallace Trust for India Visiting Fellowship, Centre for South Asian Studies, Cambridge University, Lent 2011.
- Fulbright-Nehru Environmental Leadership fellowship, hosted at Stanford University, Fall 2010.
- Yusuf E Hamied Visiting Lecturer, Cambridge-India Partnership, Cambridge University, Summer 2010.
- Semester-At-Sea Interport Lecturership, 2007
- Bullard Fellowship for Forest Research, Harvard University, 1994-95.
- American Institute for Indian Studies Junior Fellowship, 1989-90
- Theodore & Edith Brown Fellowship, University of California, Berkeley, 1988-89
- Energy & Resource Group Hewlett Foundation Fellowship, University of California, Berkeley, 1987-88

HONOURS/AWARDS

- Paper Srinivasan et al. 2015 won the "2015 Jim Dooge award for the best paper in the journal Hydrology and Earth System Science (HESS)" from the European Geophysical Union
- Paper Heller et al. 2012 won 3rd place in "ERDAS Award for Best Scientific Paper in Remote Sensing for 2012" from ASPRS
- Runner-up, Environment Category, 2006 World Technology Awards
- Citation Classic, World Development (paper titled "Sustainable Development: A critical review")
- I.I.T. Bombay Silver Medal for standing first in Electrical Engineering class of 1984

RESEARCH GRANTS OBTAINED

- Climate Change and Water programme, International Development Research Centre, Canada, 2012-15 (PI).
- Natural Environment Research Council, UK, ESPA Programme, 2011-2013 (PI)
- Ford Foundation, Environment Programme, 2008-2010 (PI)
- Sir Dorabjee Tata Trust, Western India Livelihoods Programme, 2006-2008 (co-PI)
- Ford Foundation, Poverty and NRM Programme, 2005-2007 (co-PI)
- WaterAid India, IWRM research grant, 2005-2006 (co-PI)
- Ford Foundation, Institution Development Grant, 2001-2004 and 2005-2008 (PI).
- South Asian Network for Development and Environmental Economics (SANDEE), 2004-2006 (PI)
- Indian Space Research Organization, RESPOND programme, 2005-2007 (PI).
- International Development Research Centre, South Asia programme, 2004-2007 (co-PI).
- UNESCO International Hydrological Programme, 2004-2006 (PI).
- UNESCO-Ford Foundation, 2002-2006 (PI).
- Winrock International India, Small Grants Programme, 2002 (PI).
- MacArthur Foundation, World Environment & Resources Program, 1998-2001 (co-PI).
- National Remote Sensing Agency: IRS-1C Pilot Project Programme: 1997-98 (PI).
- MacArthur Foundation, World Environment Resources Program, 1995-98 (PI).
- U.S.Man & the Biosphere Grant, 1990-92
- Osborn Foundation (WWF-US) Forestry Policy Grant, 1990-92
- Ford Foundation Social Forestry Research Grant, 1989-90

TEACHING EXPERIENCE

- Teaches Interdisciplinary Approaches to Environmental Research in ATREE PhD programme; supervising/co-supervising 5 PhD students.
- Taught modules on environmental change and governance in ISEC and ATREE PhD programme.
- Lectured on Environmental Economics, Environmental Governance, Sustainable Development, Sustainability, Forest Management, Forest Law in various training programmes across India
- Designed & conducted CISED Short-Term Course on Environment & Rural Development (3 rounds), Social Science for Natural Scientists (2009), Social Science for Conservation Biologists (2014), Water & Society Summer School (2015).
- Guided and Assessed PhD students at ISEC & ATREE.

BOOKS / EDITED BOOKS

- Lélé, S., G. Kadekodi & B. Agrawal, Ed.s, 2002, Interdisciplinarity in Environmental Research, Indian Society for Ecological Economics, New Delhi. [EDITED BOOK]
- Krishnaswamy, Jagdish, Sharachchandra Lélé & R. Jayakumar, 2006, Hydrology and Watershed Services in the Western Ghats of India, Tata McGraw-Hill, New Delhi.[EDITED BOOK]
- Menon, A., P. Singh, E. Shah, S. Lélé, S. Paranjape & K. J. Joy, (2007), Community-based Natural Resource Management: Issues and Cases in South Asia, Sage, New Delhi. [BOOK]
- Lele, S. and A. Menon (Eds), 2014, Democratizing Forest Governance in India, Oxford University Press, New Delhi [EDITED BOOK]
- Lele, S., E. Brondizio, J. Byrne, G. Mace and J. Martinez-Alier, 2018, Rethinking Environmentalism: Linking Justice, Sustainability, and Diversity, MIT Press, USA (in press).

RESEARCH ARTICLES (in chronological order, by topic)

Sustainability and Sustainable Development

- Lélé, S. (1988), "The Concept of Sustainability", In A. T. Charles & G. N. White III (Eds.), "Natural Resources Modelling and Analysis", Centre for Resource Systems Analysis, Halifax, pp.46-48.
- Lélé, S. (1990), "A Framework for Sustainability and its application in visualizing a Peace society", Working Paper, Exploratory Project on the Conditions of Peace (ExPro), Boston College, USA.
- Lélé, S. (1991), "Sustainable Development: a critical review", World Development, 19(6): 607-621. [NOW ONE OF THE TEN MOST CITED ARTICLES IN THE HISTORY OF THIS JOURNAL]
- Lélé, S. (1993), "Sustainability: A plural, multi-dimensional approach", Working Paper, Pacific Institute for SIDES, Oakland, U.S.A.
- Lélé, S. & R.B.Norgaard (1996), "Sustainability and the Scientists' Burden", Conservation Biology, 10(2): 354-365.
- Lélé, S. (1996), "Environmental governance", Seminar, 438: 17-23.
- Lélé, S. (1998), "Resilience, Sustainability, and Environmentalism", Environment & Development Economics, 3(2): 251-255.
- Lélé, S. & V.Saberwal, (2000), "The Problem (introducing the special issue on Environmental Degradation: Myth and Reality)", Seminar, 486: 12-14.
- Lélé, S. (2000), "Degradation, sustainability or transformation?", Seminar, 486: 31-37.
- Lélé, S. (2004), "Beyond State-Community Polarisation and Bogus "Joint"ness: Crafting Institutional Solutions for Resource Management", in M. Spoor (Ed.) Globalisation, Poverty and Conflict: A Critical "Development" Reader, Kluwer Academic Publishers, Dordrecht, pp.283-303.
- Lélé, S. (2006). "Thinking about ecological sustainability." Seminar, 565: 48-52.
- Lélé, S., (2007), "Sustainability", in Roland Robertson and Jan Aart Scholte (eds.), Encyclopedia of Globalization, Volume 3, N to T, Routledge, London, pp.1102-1107.
- Lele, S., N. K. Dubash and S. Dixit, 2010, "A Structure for Environment Governance: A Perspective", Economic and Political Weekly, 45(6): 13-16.
- Lele, S. and T. Jayaraman, 2011, "Equity in the context of sustainable development", Note for UN-GSP, Ministry of Environment & Forests, Government of India, New Delhi.
- Lele, S., 2013, "Rethinking sustainable development", Current History, **112** (757): 311-316.
- Lele, S., 2013, "Environmentalisms, justices, and the limits of Ecosystems Services Frameworks", in T. Sikor (Ed.), The Justices and Injustices of Ecosystems Services, Earthscan/Routledge, Oxon, U.K., pp.119-139.
- Lele, S., O. Springate-Baginski, R. Lakerveld, D. Deb and P. Dash, 2013, "Ecosystem services: Origins, contributions, pitfalls and alternatives", Conservation and Society, 11(4): 343-358.
- Lele, S., 2017, "Why do we care? Unpacking the 'environmental' in our environmental science", in A. J. Hiremath, N. Rai and A. Siddhartha (Eds.), Transcending boundaries: Reflecting on twenty years of action and research at ATREE, ATREE, Bangalore, pp.172-177.
- Lele, S. and G. Sahu, 2018, "Environmental Governance in Future India: Principles, Structures and Pathways", in A. Kothari and K. J. Joy (Eds.), Alternative Futures: India Unshackled, AuthorsUpFront, New Delhi, pp.46-62.

Interdisciplinarity in Environmental Research

- Lélé, S. (2003), "Challenges in doing socially relevant and interdisciplinary NRM research for integrated development", in P.S.Ramakrishnan, K.G.Saxena, S. Patnaik & S. Singh (Eds), Methodological Issues in Mountain Research, Oxford & IBH, New Delhi, pp.57-78.
- Lélé, S. & Richard Norgaard (2005), "Practicing interdisciplinarity," Bioscience, 55(11): 967-975.

- Lélé, S. (2007), "Interdisciplinarity as a Three-way Conversation: Barriers and Possibilities", in P. Bardhan & I. Ray (eds), The Contested Commons: Conversations between Economists and Anthropologists, Blackwell, pp.187-207.
- Lélé, S., (2009), "Reflections on Interdisciplinarity in Environmental Economics in India", in K.Chopra and V.Dayal (eds.), Handbook of Environmental Economics in India, Oxford University Press, pp.305-325.
- Lele, S. and A. Kurien, 2011, "Interdisciplinary analysis of the environment: Insights from tropical forest research ", Environmental Conservation, 38(2): 211-233.
- Lele, S., 2011, "Re-reading the interdisciplinary mindscape: a response to Redford", Oryx, 45(3): 331-332.

Climate Change

- Gadgil, A. & S. Lele, (2009), "India: Special Role and Responses", in S. H. Schneider, A. Rosencranz, M. D. Mastrandrea and K. Kuntz-Duriseti (Eds.), Climate Change Science and Policy, Island Press, Washington, D.C., pp.323-331.
- Lele, S., 2011, "Climate change and the Indian environmental movement", in N. Dubash (Ed.), A Handbook of Climate Change and India, Oxford University Press, New Delhi, p.208-217.
- Srinivasan, V., B. K. Thomas, P. Jamwal and S. Lele, 2013, "Climate vulnerability and adaptation of water provisioning in developing countries: approaches to disciplinary and research-practice integration", Current Opinion in Environmental Sustainability, 5: 378–383.

Water resource management

- Lele, S., V. Srinivasan, P. Jamwal, B. K. Thomas, M. Eswar and T. M. Zuhail, 2013, "Water Management in Arkavathy basin: A Situation Analysis", Environment & Development Discussion Paper no. 1, Ashoka Trust for Research in Ecology and the Environment, Bangalore.
- Srinivasan, V., D. S. Kumar, P. Chinnasamy, S. Sulagna, D. Sakthivel, P. Paramasivam and S. Lele, 2014, "Water Management in the Noyyal River Basin: A Situation Analysis", Environment & Development Discussion Paper no. 2, Ashoka Trust for Research in Ecology and the Environment, Bangalore.
- Jamwal, P., B. K. Thomas, S. Lele and V. Srinivasan, 2014, "Addressing water stress through wastewater reuse: Complexities and challenges in Bangalore, India", paper presented at Proceedings Of The Resilient Cities 2014 Congress, organized by ICLEI – Local Governments for Sustainability, in cooperation with the City of Bonn and the World Mayors Council on Climate Change, at Bonn, on 29-31 May.
- Jamwal, P., T. M. Zuhail, Praveen Rahe Urs, V. Srinivasan and S. Lele, 2015, "Contribution of sewage treatment to pollution abatement of urban streams", Current Science, 108(4): 677-685.
- Srinivasan, V., S. Thompson, K. Madhyastha, G. Penny, K. Jeremiah and S. Lele. 2015. Why is the Arkavathy River drying? A multiple hypothesis approach in a data scarce region. Hydrology and Earth System Sciences 19: 1905-1917.
- Kuttuva, P., S. Lele and G. V. Mendez, 2016, "Decentralized wastewater systems in Bengaluru, India: success or failure?", Water Economics and Policy, 3 (3): 1650043.
- Lele, S. and V. Srinivasan, 2016, "Focusing on the Essentials: Integrated Monitoring and Analysis of Water Resources", Economic and Political Weekly, 51 (52): 47-50.
- Thomas, B. K., S. Lele, V. Srinivasan and P. Jamwal, 2017, "Rethinking Resilience in Urbanizing River Basins", Seminar, 694.
- Lele, S., 2017, "Sustainable Development Goal 6: watering down justice concerns", WIREs Water, 4(4).
- Jamwal, P. and S. Lele, 2017, "Addressing Pollution in Urban Rivers: What we learnt from the Vrishabhavathy River in Bengaluru", in A. J. Hiremath, N. Rai and A. Siddhartha (Eds.), Transcending boundaries: Reflecting on twenty years of action and research at ATREE, ATREE, Bangalore, pp.104-113.

- Srinivasan, V., S. Lele, B. K. Thomas and P. Jamwal, 2017, "Whose River? The changing waterscape of the upper Arkavathy under urbanisation", in A. J. Hiremath, N. Rai and A. Siddhartha (Eds.), Transcending boundaries: Reflecting on twenty years of action and research at ATREE, ATREE, Bangalore, pp.122-131.
- Srinivasan, V. and S. Lele, 2017, "From groundwater regulation to integrated water management: the biophysical case", Economic and Political Weekly, **52**(31): 107-114.
- Lele, S., V. Srinivasan, B. K. Thomas and P. Jamwal, 2018, "Adapting to Climate Change in Rapidly Urbanizing River Basins: Insights from a multiple-concerns, multiple-stressors, and multi-level approach", Water International, doi: 10.1080/02508060.2017.1416442.
- Lele, S., K. Madhyastha, S. Sulagna, R. Dhavamani and V. Srinivasan, 2018, "Match, don't mix: Implications of institutional arrangements for water service delivery and governance in south Indian small towns", Water Policy, doi: 10.2166/wp.2018.002u.
- Patil, V., B. K. Thomas, S. Lele, V. Srinivasan and M. Eswar, 2018, "Adapting or chasing water? Crop choice and farmers' responses to water stress in peri-urban Bangalore, India", Irrigation and Drainage, (in press).
- Penny, G., V. Srinivasan, I. Dronova, S. Lele and S. Thompson, 2018, "Spatial characterization of long-term hydrological change in the Arkavathy watershed adjacent to Bangalore, India", Hydrol. Earth Syst. Sci., **22**(1): 595-610.
- Lele, S. and M. Bakshi Sengupta, 2018, "From lakes as urban commons to integrated lake-water governance: The case of Bengaluru's urban water bodies", SAWAS Journal, **8**(1): 5-26.

Forest and biomass resource management

- Lélé, S. (1993), "Private property rights and forest preservation in Karnataka Western Ghats, India: Comment", American Journal of Agricultural Economics, **75**: 492-495.
- Lélé, S. (1994), "Sustainable use of biomass resources: A note on definitions, criteria, and practical applications", Energy for Sustainable Development, **1**: 42-46.
- Lélé, S. & R. J. Rao, (1996), "Whose Cooperatives and Whose Produce? The Case of LAMPS in Karnataka", in R. Rajagopalan (Ed.), Rediscovering Cooperation, IRMA, Anand, pp. 53-91.
- Lélé, S. & G.T.Hegde, (1997), "Potential herbivore production and grazing effects in anthropogenic savannahs in the moist tropical forests of the W. Ghats of India", Tropical Grasslands, **31**(6): 574-587.
- Lélé, S., K. S. Murali & K. S. Bawa, (1998), "Community enterprise for conservation in India: Biligiri Rangaswamy Temple Sanctuary", in A.Kothari, N. Pathak, R.V.Anuradha & B.Taneja (eds), Communities and Conservation: Natural Resource Management in South & Central Asia, Sage Publications, New Delhi, pp.449-466.
- Lélé, S., G. Rajashekhar, V. R. Hegde, G. P. Kumar & P.Saravanakumar, (1998), "Meso-scale analysis of forest condition and its determinants: A case study from the Western Ghats region, India", Current Science, **75**(3): 256-263.
- Lélé, S. (2000), "Godsend, Sleight of Hand, or Just Muddling Through: Joint Water and Forest Management in India", Natural Resource Perspectives **53**, Overseas Development Institute, London.
- Srinidhi, A. S. & S. Lélé (2001), "Forest tenure regimes in the Karnataka Western Ghats: A compendium". Working Paper No.90, Institute for Social and Economic Change, Bangalore.
- Lélé, S., V. Srinivasan & K. S. Bawa, (2001), "Returns to investment in conservation: Disaggregated benefit-cost analysis of the creation of a Wildlife Sanctuary", in K. N. Ganeshiah, R. U. Shaanker & K. S. Bawa (Eds.), Proceedings of the International Conference on Tropical Ecosystems: Structure, Diversity and Human Welfare, Oxford-IBH Publishing Co., New Delhi, pp.31-33.
- Badrinarayanan, S., J. Krishnaswamy, S. Lélé & K. Chandrashekara, 2001, "Consequences of forest conversion to coffee plantations on litter beetle and ant communities", in K. N. Ganeshiah, R. U. Shaanker & K. S. Bawa (Eds.), Proceedings of the International

- Conference on Tropical Ecosystems: Structure, Diversity and Human Welfare, Oxford-IBH, New Delhi, pp.162-163.
- Lélé, S., (2001), "'Pixelising the Commons" and "Commonising the Pixel": Boon or Bane?", The Common Property Resource Digest, 58: 1-3.
- Saberwal, V. & S. Lélé, (2004), "Locating local elites in negotiating access to forests: Havik Brahmins and the colonial state 1860-1920", Studies in History, 20(2): 273-303.
- K. S. Bawa, W. J. Kress, N. M. Nadkarni, & S. Lele, (2004), "Beyond Paradise—Meeting the Challenges in Tropical Biology in the 21st Century", Biotropica, 36(4): 437–446.
- Lélé, S., A K Kiran Kumar & P. Shivashankar (2005), "Joint Forest Planning and Management in the Eastern Plains Region of Karnataka: A Rapid Assessment," Technical Report, CISED, Bangalore.
- Lélé, S. (2007), "A 'defining moment' for forests?," Economic and Political Weekly, 42(25): 2379-2383.
- Rosencranz, A. & S. Lélé, (2008), "Supreme Court and India's forests," Economic and Political Weekly, 43(5): 11-14.
- Lele, S.(2009), "Right direction, but long way to go", Current Conservation, 2(4): 6-7.
- Lele, S., M. Pattanaik and N. D. Rai, 2010, "NTFPs in India: Rhetoric and reality", in S. A. Laird, R. McLain and R. P. Wynberg (Eds.), Wild Product Governance: Finding Policies that Work for Non-Timber Forest Products, Earthscan, London, pp.85-112.
- Lele, S., P. R. Wilshusen, D. Brockington, R. Seidler and K. S. Bawa (2010), "Beyond exclusion: alternative approaches to biodiversity conservation in the developing tropics", Current Opinions in Environmental Sustainability, 2(1-2): 94-100.
- Ariza-Montobbio, P., S. Lele, G. Kallis and J. Martinez-Alier (2010), "The political ecology of Jatropha plantations for biodiesel in Tamil Nadu, India", Journal of Peasant Studies, 37(4): 875 - 897.
- Ariza-Montobbio, P. and S. Lele (2010), "Jatropha plantations for biodiesel in Tamil Nadu, India: Viability, livelihood trade-offs, and latent conflict", Ecological Economics, 70 (2): 189-195.
- Lele, S., A. Kothari, Roma, A. Saikia, R. Rebbapragada, V. Kiro and J. Ete, 2011, "Misreading the Issues and the Landscape", Economic and Political Weekly, 46 (22): 107-108.
- Lele, S., 2011, "Rethinking forest governance: Towards a perspective beyond JFM, the Godavarman case and FRA", in Anonymous (Ed.), The Hindu Survey of the Environment 2011, The Hindu, Chennai, pp.95-103.
- Lele, S., 2012, "Economic incentives for forest management", in Anonymous (Ed.), Deeper Roots of Historical Injustice, Rights and Resources Initiative, Washington, D.C., pp.101-124.
- Lele, S. and V. Srinivasan, 2013, "Ecological Trade-offs, Aggregation, and Techno-Institutional context in the Economic Analysis of Forest Change: A case from the Western Ghats of India", Ecological Economics, 91: 98-112.
- Lele, S., S. Purushothaman and S. Kashyap, 2013, "Village Commons, Livelihoods and Governance: An Assessment of Karnataka's Experience", in S. Purushothaman and R. Abraham (Eds.), Livelihood Strategies in Southern India: Conservation and Poverty Reduction in Forest Fringes, Springer India, New Delhi, pp.135-156.
- Lele, S., 2014, "What is wrong with Joint Forest Management?", in S. Lele and A. Menon (Eds.), Democratizing Forest Governance in India, Oxford University Press, New Delhi, pp.25-62.
- Lele, S. and A. Menon, 2014, "Epilogue", in S. Lele and A. Menon (Eds.), Democratizing Forest Governance in India, Oxford University Press, New Delhi, pp.402-414.
- Lele, S. and A. Menon, 2014, "Introduction: Forest Governance beyond Joint Forest Management, Godavarman, and Tigers", in S. Lele and A. Menon (Eds.), Democratizing Forest Governance in India, Oxford University Press, New Delhi, pp.1-22.
- Menon, A., V. Lobo and S. Lele, 2014, "The Commons and Rural Livelihoods: Shifting dependencies and supra-local pressures", in S. Lele and A. Menon (Eds.), Democratizing Forest Governance in India, Oxford University Press, New Delhi, pp.376-401.

- Lele, S., V. Ramanujam and J. Rai, 2015, "Co-operative procurement and marketing of tendu leaves in Madhya Pradesh: Image and reality", Environment and Development Discussion Paper no. 3, Ashoka Trust for Research in Ecology and the Environment, Bangalore.
- Lakerveld, R. P., S. Lele, T. A. Crane, K. P. J. Fortuin and O. Springate-Baginski, 2015. The social distribution of provisioning forest ecosystem services: Evidence and insights from Odisha, India. Ecosystem Services **14**: 56-66.
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- Lele, S., 2017, "Forest Governance: From Co-option and Conflict to Multilayered Governance?", Economic and Political Weekly, 52(25-26): 55-58.

Forest hydrology & watershed development

- Lélé, S. & L. Venkatachalam (2006), "Assessing the socio-economic impact of changes in forest cover on watershed services," in J. Krishnaswamy, S. Lélé & R. Jayakumar, eds., Hydrology and Watershed Services in the Western Ghats of India, Tata McGraw-Hill, New Delhi, pp.215-248.
- Joy, K. J., Amita Shah, S. Paranjape, S. Badiger, S. Lélé (2006), "Issues in Restructuring", Economic and Political Weekly, 41 (27-28): 2994-2996.
- Joy, K. J., A. Shah, S. Paranjape, A. Samuel, S. Badiger, and S. Lele (2008), "Common Guidelines for Watershed Development: Some Reflections", Economic and Political Weekly, **43** (23): pp. 18-20, 07 June 2008.
- Lélé, S., I. Patil, S. Badiger, A. Menon & R. Kumar, 2008, "The Economic Impact of Forest Hydrological Services on Local Communities: A Case Study from the Western Ghats of India," SANDEE Working Paper no. 36-08, South Asian Network for Development and Environmental Economics, Kathmandu.
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- Krishnaswamy, J., M. Bonell, B. Venkatesh, B. K. Purandara, S. Lele, M. C. Kiran, V. Reddy, S. Badiger and R. N. K., 2012, "The rain-runoff response of tropical humid forest ecosystems to use and reforestation in the Western Ghats of India", Journal of Hydrology **472-473**: 216-237.
- Heller, E., J. M. Rhemtulla, S. Lele, M. Kalacska, S. Badiger, R. Sengupta and N. Ramankutty, 2012, "Mapping crop types, irrigated areas, and cropping intensities in heterogeneous landscapes of southern India using multi-temporal medium-resolution imagery: Implications for assessing water use in agriculture", Photogrammetric Engineering & Remote Sensing, 78(8): 815-827.
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PROFESSIONAL ACTIVITIES

Editing Journals

- Associate Editor, Ecological Economics, (2009 till date).
- Member, Editorial Board, Current Opinions in Environmental Sustainability, (2009 till date).
- Member, International Advisory Board, Journal of Peasant Studies, (2008 till date).
- Member, Editorial Board, Sustainability Science, (2017 till date).
- Member of Editorial Board, Conservation & Society (2004-2007).

Refereeing for Current Science, World Development, Ecological Economics, Economic Botany, Indian Jnl. of Agricultural Economics, Jnl. of Social and Economic Development, Ecology & Society, Energy Policy, The Energy Journal, Antipode, Conservation & Society, SANDEE, Environmental Policy & Governance, Bioscience, National Science Foundation, Forest Policy and Economics.

Professional bodies and public service

- Indian Society for Ecological Economics (Founding member, 4-time Executive Committee member, and **President** 2014-16)
- Board Member, International Society for Ecological Economics (2011-2014)
- Associate Editor, Ecological Economics (2009-present)
- Member, International Advisory Board, Journal of Peasant Studies (2008-)
- Member, Editorial Board, Current Opinion in Environmental Sustainability (2009-)
- Member, Steering Committee of Indian National Human Dimensions Programme
- Member, Board of Trustees, Samrakshan Trust, New Delhi
- Member, Committee of Management, TIDE, Bangalore
- Member, Research Advisory Board, Muruguppa Chettiar Research Centre, Chennai
- Member, MoEF-MoTA Joint Committee to review implementation of Forest Rights Act 2006
- Member, Elephant Task Force constituted by Karnataka High Court, Feb-April 2012
- Member, Expert Committee for Rejuvenation of Bellandur Lake, Govt. of Karnataka, May-Sep 2016
- Member, Bellandur Lake Monitoring Committee, Govt. of Karnataka, Jan 2017-.
- Member, Expert Appraisal Committee (Coal Mining and Thermal Power), Ministry of Environment & Forests, 2016-.
- Member, Advisory Committee for Urban Studies and Advisory Committee for Sciences, Bengaluru Central University, Dec 2016-.
- Member, Task Group on Water Policy, Karnataka Jnana Aayoga (Karnataka Knowledge Commission), Dec 2016-.

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