RAMAN SUKUMAR

List of Publications

Books

Sukumar, R. (1989). *The Asian Elephant: Ecology and Management*. Cambridge Studies in Applied Ecology and Resource Management. Cambridge University Press, Cambridge, U. K. 255 pp.

Based on a 3-year doctoral study of the elephant and its interactions with people in southern India, this monograph was rated as “an outstanding treatise on this remarkable animal” [Review in *Quarterly Review of Biology* 1990], “novel, well-written and convincingly argued” [Review in *Journal of* Applied Ecology 1990”] and “an excellent example of how research can be done that is of immense value both in terms of pure scientific merit and conservation value” (Review in *Conservation Biology* 1990)

Sukumar, R. (1994). *Elephant Days and Nights: Ten Years with the Indian Elephant*. Oxford University Press, New Delhi. 184 pp.

A popular account of the author’s early years in field research and conservation, the *Indian Review of Books* said “This book is a landmark in the natural history of elephants in India……solidly based on personal field experience.”

Sukumar, R. (2003). *The Living Elephants: Evolutionary Ecology, Behavior and Conservation*. Oxford University Press, New York. 478 pp.

This book is a comprehensive synthesis of the biology and ecology of Asian and African elephants. It has been described as “remarkable both for the quality and depth of [the author’s] scholarship in this field, and the clarity with which the author is able to communicate his encyclopedic knowledge of elephant ecology and conservation to both scientists and nonscientists” [Review in *Quarterly Review of Biology* 2004].

Sukumar, R. (2011). *The Story of Asia’s Elephants*. The Marg Foundation, Mumbai.

This lavishly illustrated volume describes the cultural history of the Asian elephant from ancient times to the present, taking the reader through successive periods from prehistoric and Harappan, through the Vedic, Buddhist, Medieval Hindu, Islamic and Colonial periods to post-independent Asia. It has been described as “a valuable book, especially for its combination of detailed historical evidence with great ecological insight” [Review in *Environmental History*, 2013]

Aguirre, A.A. and **Sukumar, R.** (eds.) (2016). *Tropical Conservation: Perspectives on Local and Global Priorities*. Oxford University Press, New York. 491 pp.

An edited volume of 29 chapters and case studies of biodiversity and species conservation, resolution of wildlife-human conflicts, integrating conservation and sustainable use of resources, and building capacity to sustain conservation in the developing world. Sukumar has contributed chapters on climate change and biodiversity conservation, wildlife-human conflicts, strengthening elephant corridors, and invasive plant ecology.

PAPERS IN PEER-REVIEWED JOURNALS & BOOK CHAPTERS

Animal Ecology and Evolution

Sukumar, R. (1986). Elephant-man conflict in Karnataka. In: C.J. Saldanha (ed.) *Karnataka – State of Environment 1984-85 Report*. Centre for Taxonomic Studies, Bangalore.

Sukumar, R. (1986). The elephant populations of India: strategies for conservation. *Proceedings of the Indian Academy of Sciences (Animal Sciences/Plant Sciences)* Suppl. November 1986, pp. 59-71.

Sukumar, R., Bhattacharya, S.K. and Krishnamurthy, R.V. (1987). Carbon isotopic evidence for different feeding patterns in an Asian elephant population. *Current Science* **56**: 11-14. https://www.jstor.org/stable/24215793

Sukumar, R. and Gadgil, M. (1988). Male-female differences in foraging on crops by Asian elephants. *Animal Behaviour* **36**: 1233-1235. https://DOI:10.1016/S0003-3472(88)80084-8

Sukumar, R., Joshi, N.V. and Krishnamurthy, V. (1988). Growth in the Asian elephant. *Proceedings of the Indian Academy of Sciences (Animal Sciences)* **97**: 561-571. https://doi.org/10.1007/BF03179558

Sukumar, R. (1989). Ecology of the Asian elephant in southern India. I. Movement and habitat utilization patterns. *Journal of Tropical Ecology* **5**: 1-18. https://doi.org/10.1017/S0266467400003175

Sukumar, R. (1990). Ecology of the Asian elephant in southern India. II. Feeding habits and crop raiding patterns. *Journal of Tropical Ecology* **6**: 33-53. https://doi.org/10.1017/S0266467400004004

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Sukumar, R. (1991). Ecology. In: Eltringham, S.K. (ed.) *The Illustrated Encyclopedia of Elephants*, Salamander Books, U.K. Pp.78-101.

Sukumar, R. (1991). Conservation. In: Eltringham, S.K. (ed.) *The Illustrated Encyclopedia of Elephants*, Salamander Books, U.K. Pp. 158-179.

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Sukumar, R. (1994). Wildlife-human conflict in India : an ecological and social perspective. In: Guha, R. (ed.) *Social Ecology*, Oxford University Press, New Delhi. Pp. 303-317.

Raman, T.R.S., Menon, R.K.G. and **Sukumar, R**. (1995). Decline of blackbuck (*Antilope cervicapra*) in an insular nature reserve: The Guindy National Park, Madras. *Current Science* **68**: 578-580. https://www.jstor.org/stable/24096552

Varman, K.S. and **Sukumar, R**. (1995). The line transect method for estimating densities of large mammals in a tropical deciduous forest: An evaluation of models and field experiments. *Journal of Biosciences* **20**: 273-287.

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