

Prof. Michael Samways



Michael Samways has always loved nature, growing up in rural England, and doing his PhD at London University. He is currently Professor and Chair of the Department of Conservation Ecology & Entomology, Stellenbosch University, South Africa, and is a Fellow of Royal Society of South Africa, and Member of the Academy of Science of South Africa. He is a John Herschel Medalist of the Royal Society of South Africa, Senior Captain Scott Medalist of the South African Academy of Sciences and Arts, and Gold Medalist of the Academy of Science of South Africa. He received the Rector's Award for Excellence in Research in both 2006 and 2010 and won the Distinguished Scientist Award at the Global Conference of Entomology in 2011. He has published widely on various aspects of conservation, especially in relation to landscape ecology and the conservation of invertebrates, especially insects. He is also very involved internationally in conservation policy. His recent books include *Insect Diversity Conservation* (Cambridge University Press, 2005), *Dragonflies of South Africa* (Pensoft, 2008), *Insect Conservation: A Handbook of Approaches and Methods* (with Melodie McGeoch and Tim New; Oxford University Press, 2010), *Tropical Island Recovery* (with Peter Hitchins, Orty Bourquin, and Jock Henwood; Wiley-Blackwell, 2010), and *Waterdancers of the National Botanical Gardens* (with Christopher Willis; SANBI, 2011). Michael has produced 250 refereed scientific papers.

Affiliations and awards

- Fellow at the [Royal Society of South Africa](#)
- Member of the [Academy of Science for South Africa](#)
- John Herschel Medalist of the Royal Society of South Africa
- Senior Captain Scott Medalist of the South African Academy of Sciences and Arts
- Gold Medalist of the Academy of Science for South Africa
- Rector's Award for Excellence in Research, 2006 & 2010
- Distinguished Scientist Award at the [Global Conference of Entomology 2011](#)

Recent publications

Only recently published article are included here. For a comprehensive list of publications, please [click here](#).

PUBLICATIONS (POPULAR AND SEMI-SCIENTIFIC)

SAMWAYS, M.J. & PRYKE, J.S. 2012. Mondi Ecological Network Programme: MENP at Stellenbosch University. *Integrate Project News of the European Forest Institute* No. 1 January 2012, 5-

Conservation Ecology & Entomology Department

PUBLICATIONS (BOOKS (*), AND SPECIAL ISSUES)*WILLIS, C. & SAMWAYS, M.J. 2011. *Water Dancers of South Africa's National Botanical Gardens*. SANBI, Pretoria, South Africa. ISBN 978-1-919976-57-0

PUBLICATIONS (CHAPTERS IN BOOKS)

1. ADDISON, P. & SAMWAYS, M.J. 2012. *Ecological management of ants in vineyards of the Cape Floristic Region biodiversity hotspot, South Africa*. In: Bostanian, N.J., Vincent, C. & Isaacs, R. (Eds) *Arthropod Management in Vineyards: Pests, Approaches, and Future Directions*. Springer, Dordrecht, Netherlands. Pp. 431-447.
2. SAMWAYS, M.J. 2012. *Mitigating land use intensification in the endemic-rich hotspots of southern Africa and western Indian Ocean*. In: Lindenmayer, D.B., Cunningham, S. & Young, A. (Eds) *Land Use Intensification: Effects on Agriculture, Biodiversity and Ecological Processes*. CSIRO Publishing, Melbourne, Australia. Pp. 55-64
3. SAMWAYS, M.J., HAMER, M., & VELDTMAN, R. 2012. *Development and future of insect conservation in South Africa*. In: New, T.R. (Ed.) *Insect Conservation: Past, Present and Future*. Springer, Dordrecht, The Netherlands. Pp. 245-278.
4. SAMWAYS, M.J. & BOHM, M. 2012. *Hidden in plain view: effective invertebrate conservation for our future world*. In: Collen, B., Böhm, M., Kemp, R. & Baillie, J.E.M. (Eds) *Spineless: Status of the World's Invertebrates*. Zoological Society of London, London, UK. Pp. 72-85.
5. SAMWAYS, M.J. 2012. *Dragonflies: their lives, our lives, from ponds to reserves*. In: Lemelin, R.H. (Ed) *The Management of Insects in Recreation and Tourism*. Cambridge University Press, Cambridge, UK (In press)

PUBLICATIONS (SCIENTIFIC)

1. MAGOBA, R.N.N. & SAMWAYS, M.J. 2012. Comparative footprint of alien, agricultural and restored vegetation on surface-active arthropods. *Biological Invasions* 14: 165-177.
2. BAZELET, C.S. & SAMWAYS, M.J. 2012. Grasshopper and butterfly local congruency in grassland remnants. *Journal of Insect Conservation* 16: 71-85.
3. PRYKE, J.S. & SAMWAYS, M.J. 2012. Importance of using many taxa and having adequate controls for monitoring impacts of fire for arthropod conservation. *Journal of Insect Conservation* 16: 177-185.
4. PRYKE, J.S. & SAMWAYS, M.J. 2012. Differential resilience of invertebrates to fire. *Austral Ecology* 37: 460-469.
5. KEHINDE, T. & SAMWAYS, M.J. 2012. Endemic pollinator response to organic vs. conventional farming and landscape context in the Cape Floristic Region biodiversity hotspot. *Agriculture, Ecosystems and Environment* 146: 162-167.
6. BAZELET, C.S. & SAMWAYS, M.J. 2012. Evaluating robustness of grasshopper response to conservation ecological networks in a timber plantation matrix. *Agriculture, Ecosystems and Environment* (in press)
7. VRDOLJAK, S. & SAMWAYS, M.J. 2011. Optimising use of coloured pan traps for assessing flower-visiting insects. *Journal of Insect Conservation* 16: 345-354.
8. BRIED, J.T., D'AMICO & SAMWAYS, M.J. 2012. A critique of the dragonfly delusion hypothesis: why sampling exuviae does not avoid bias. *Insect Diversity and Conservation* 5: 398-402.
9. PRYKE, J.S., VRDOLJAK, S.M., GRANT, P.B.C. & SAMWAYS, M.J. 2012. Butterfly behavioural responses to natural Bornean rainforest canopy gaps. *Journal of Tropical Ecology* 28: 45-54.
10. PRYKE, J.S. & SAMWAYS, M.J. 2012. Conservation management of complex natural forest and plantation edge effects. *Landscape Ecology* 27: 73-85.



11. CLAUSNITZER, V., KOCH, R., DIJKSTRA, K.-D.B., BOUDOT, J.-P., DARWALL, W.R.T., KIPPING, J., SAMRAOUI, B., SAMWAYS, M.J., SIMAIKA, J.P. & SUHLING, F. 2012. Focus on African freshwaters: hotspots of dragonfly diversity and conservation concern. *Frontiers in Ecology and the Environment* 10: 129-134.
12. PRYKE, J.S. & SAMWAYS, M.J. 2012. Edge effects of corridors in the design of landscape scale ecological networks as reserve area extensions. *Journal of Applied Ecology* (in press)
13. GAIGHER, R., SAMWAYS, M.J., JOLLIFFE, K.G. & JOLLIFFE, S. 2012 Precision control of an invasive ant on an ecologically sensitive tropical island: a principle with wide applicability. *Ecological Applications* (in press)
14. SIMAIKA, J.P. & SAMWAYS, M.J. 2012. Using dragonflies to monitor and prioritize lotic systems: A South African perspective. *Organisms Diversity and Evolution* (in press)
15. SIMAIKA, J.P., SAMWAYS, M.J., KIPPING, J., SUHLING, F. DIJKSTRA, K.-D.B., CLASNITZER, V., BOUDOT, J.-P. & DOMISCH, S. 2012. Continental-scale conservation prioritization of African dragonflies. *Biological Conservation* (in press)
16. GAIGHER, R & SAMWAYS, M.J. 2012. Strategic management of an invasive ant-scale mutualism ant-scale mutualism benefits a threatened and functionally important tree on a tropical island. *Biotropica* (in press)
17. ROSSET, V., SIMAIKA, J.P., ARTHAUD, F., BORNETTE, G., VALLOD, D., SAMWAYS, M.J. & OERTLI, B. 2012. Comparative assessment of scoring methods of the conservation value of biodiversity in ponds and small lakes. *Biological Conservation* (in press)
18. LAWRENCE, J.M., SAMWAYS, M.J., KELLY, J. & HENWOOD, J. 2012. Response of a threatened endemic giant millipede to forest restoration. *Journal of Insect Conservation* DOI 10.1007/s10841-012-9518-8.
19. LAWRENCE, J.M., SAMWAYS, M.J., KELLY, J.A. & HENWOOD, J. 2012. Long-term population dynamics of a threatened giant millipede: implications for restoration. *Invertebrate Biology* (in press)
20. LAWRENCE, J.M., SAMWAYS, M.J., KELLY, J.A. & HENWOOD, J. 2012. A behavioural ecology approach to assessing the effect of alien vegetation on a threatened giant millipede. *Journal of Insect Behavior* (in press) DOI 10.1007/s10905-012-9363-3
21. CROUS, C, SAMWAYS, M.J. & PRYKE, J.S. 2013. Exploring the mesofilter as a novel operational scale in conservation planning. *Journal of Applied Ecology* (in press).
22. LAWRENCE, J.M., SAMWAYS, M.J., KELLY, J.A. & HENWOOD, J. 2013. Beyond vegetation-based habitat restoration for a threatened giant spirostreptid millipede. *Journal of Insect Conservation* (in press).

