

Francesco Rovero, Ph.D.

Biodiversity and Conservation Scientist

Tropical Biodiversity, MUSE – Museo delle Scienze
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Date and Place of Birth:	27 th May 1970, Florence, Italy
Nationality:	Italian
Higher Education & Qualifications:	<p>University of Florence, Italy — 1989 to 1995 Degree in Natural Sciences (MSc-equivalent), with highest marks Thesis: “Eco-ethology of the European pond turtle <i>Emys orbicularis</i>: activity patterns and habitat use in a population from central Italy”, second Best Italian Thesis of 1994-1995 (Venetian Institute for Sciences, Letters and Arts)</p> <p>University of Wales, Bangor, UK — 1997 to 2000 Ph.D. in Animal Biology (Behavioural Ecology) Thesis: “Non-invasive techniques for studying behavioural mechanisms and physiological states of marine invertebrates”</p>
Languages:	Italian (mother tongue), English (fluent), Swahili (fluent), French (basic)

Career History and Experience

- **EMPLOYED AS CURATOR OF TROPICAL BIODIVERSITY, MUSE - MUSEO DELLE SCIENZE (TRENTO SCIENCE MUSEUM, ITALY)**
(April 2003 until present)

Main activities and responsibilities: coordination of MUSE’s Tropical Biodiversity section, and involved in various projects from research and monitoring to conservation of biodiversity. In particular, I coordinate a long-term programme of biodiversity conservation established in 2004 in the Udzungwa Mountains of Tanzania. The area is of outstanding biodiversity importance. The programme integrates research, ecological monitoring, and technical support to the Udzungwa Mountains National Park with community awareness raising activities.

A key activity has been the establishment of the Udzungwa Ecological Monitoring Centre in the Udzungwa Mountains National Park (www.udzungwacentre.org), a field station dedicated to research, monitoring and community education, of which I am Director since 2006. The station became in 2009 the first node of the Tropical Ecology, Assessment and Monitoring (TEAM) network (www.teamnetwork.org), a global network of standardized tropical biodiversity monitoring projects.

I conduct applied and theoretical research on the ecology and conservation of mammals, with a special target on afro-montane ecosystems. Focal research subjects are ecological modeling, abundance estimation methods, use of indicator species for conservation planning and protected area effectiveness.

➤ **RESEARCHER AND TECHNICAL ADVISOR TO THE ECOLOGICAL MONITORING PROGRAMME, UDZUNGWA MOUNTAINS NATIONAL PARK, TANZANIA**
(July 2002- February 2003)

➤ **SHORT-TERM CONSULTANT FOR TERRA NUOVA, ITALIAN NGO, NAIROBI, KENYA**
(May to June 2002)

➤ **EMPLOYED BY CMSR (ITALIAN NGO FOR DEVELOPMENT) AS SECTOR COORDINATOR, ENVIRONMENT AND WATER SECTOR (TANZANIA PROGRAMME)**
(April 2001 to April 2002)

➤ **CONSULTANT FOR TERRA NUOVA (ITALIAN NGO FOR DEVELOPMENT) FOR COORDINATING PRELIMINARY ACTIVITIES FOR COMMUNITY-BASED WILDLIFE CONSERVATION AROUND RUNGWA/KIZIGO/MUHESI GAME RESERVES (GREATER RUAHA, CENTRAL TANZANIA).**
(May - November 2001)

➤ **EMPLOYED BY THE VOLUNTARY SERVICE OVERSEAS (BRITISH AGENCY) AS ENVIRONMENTALIST AT THE DODOMA ENVIRONMENTAL NETWORK, LOCAL NGO (DODOMA, TANZANIA)**
(September 1999 to March 2001)

Overall, the above experiences in Tanzania and Kenya included:

extensive field research, data analysis and paper writing; camera-trapping; line transect censuses, population abundance estimates; vegetation sampling; community-based wildlife management; rapid biodiversity assessment; wildlife corridors; protected area management; formulation of project proposals; budgeting; fund-raising; staff management and training; technical advisory to several local organisations; liaising with several Government, NGO and private organisations.

➤ **PH.D. RESEARCH FELLOW, UNIVERSITY OF WALES, BANGOR, UK**
(November 1997 to August 1999, degree awarded in July 2000)

Studying behavioural and physiological responses of marine invertebrates to environmental variation as a member of the EUROROCK project (EU-funded, MAST III: rocky shore ecology). See list of scientific papers for results obtained.

The experience included:

laboratory experimentation; experimental design; automatic data acquisition; extensive data manipulation and analysis; eco-physiology; behavioural ecology; use of non-invasive techniques for monitoring physiological parameters (e.g. infrared heart-rate monitoring); paper writing; scientific speeches.

POST-GRADUATE RESEARCH FELLOW, UNIVERSITY OF FLORENCE, ITALY
(September 1995 to August 1997)

Collaborating in research programmes at the Department of Animal Biology. Specific activities and projects included Monitoring of population of the endangered European pond turtle (*Emys orbicularis*) in Monte Rufeno Natural Reserve (Viterbo, Italy) for conservation plan.

The experience included:

animal population assessment; communities monitoring for GIS (plants, birds and micro-mammals); data analysis; report writing; field work; park management; wildlife management; conservation biology; environmental education; research programmes coordination.

➤ **UNDER-GRADUATE RESEARCH FELLOW, UNIVERSITY OF FLORENCE, ITALY**
(October 1992 to June 1995)

Conducting a study on ecology and ethology of the pond turtle in Monte Rufeno Natural Reserve (central Italy) for the degree thesis at the Department of Animal Biology. See list of scientific papers for results obtained.

The experience included:

extensive field work; radio-tracking techniques; behavioural observation; temporal patterns of activity; home-range; habitat use; foraging behaviour; social behaviour; data analysis; paper writing; scientific speeches.

Peer-reviewed scientific papers and book chapters

- Rovero F**, Menegon M, Fjeldså J, Collett L, Doggart N, Leonard C, Norton G, Owen N, Perkin A, Spitale D, Ahrends A, and Burgess ND (in press). Targeted vertebrate surveys enhance the faunal importance and improve explanatory models within the Eastern Arc Mountains of Kenya and Tanzania. *Diversity and Distributions*.
- Havmøller R., Pagh Jensen F., Ciolli M., **Rovero F.** 2014. New population of Abbott's duiker and other species' range records in the Udzungwa Mountains, Tanzania. *Oryx* 48: 328-329.
- Rovero F**, Martin E, Rosa M, Ahumada JA, Spitale D (2014) Estimating Species Richness and Modelling Habitat Preferences of Tropical Forest Mammals from Camera Trap Data. *PLoS ONE* 9(7): e103300. doi:10.1371/journal.pone.0103300.
- Anile S, Ragni B, Randi E, Mattucci F, **Rovero F** (2014). Wildcat population density on the Etna volcano, Italy: a comparison of density estimation methods. *Journal of Zoology*.
- Araldi A, Barelli C, Hodges K, **Rovero F** (2014) Density estimation of the endangered Udzungwa red colobus (*Procolobus gordonorum*) and other arboreal primates in the Udzungwa Mountains using systematic distance sampling. *International Journal of Primatology*.
- Bowkett AE, Jones T, Rovero F, Nielsen MR, Davenport TRB, Hawkins DM, Plowman AB, Stevens JR (2014). Distribution and genetic diversity of the endangered Abbott's duiker *Cephalophus spadix* in the Udzungwa Mountains, Tanzania. *Endangered Species Research* 24: 105–114.
- Cavanaugh KC, Gosnell S., Davis SL, Ahumada J., Boundja RP, Clark DB, Mugerwa B, O'Brien TG, **Rovero F**, Sheil D, Vasquez R, Andelman S, 2014. Taxonomic diversity and functional dominance correlate with carbon storage in tropical forests on global scales. *Global Ecology and Biogeography*, in press.
- Lawson LP, Vernesi C, Ricci S. **Rovero F.** 2013. Evolutionary history of the grey-faced sengi, *Rhynchocyon udzungwensis*, from Tanzania: a molecular and species distribution modelling approach. *PLoS ONE* 8(8): e72506.
- Slik, Ferry; Paoli, Gary; McGuire, Krista; Amaral, Ieda; Barroso, Jorcely; Bastian, Meredith; Blanc, Lilian; Bongers, Frans; Boundja, Patrick; Clark, Connie; Collins, Murray; Dauby, Gilles; Ding, Yi; Doucet, Jean-Louis; Eler, Eduardo; Ferreira, Leandro; Forshed, Olle; Frederiksson, Gabriella; Gillet, Jean-Francois; Harris, David; Leal, Miguel; Laumonier, Yves; Malhi, Yadvinder; Mansor, Asyraf; Martin, Emanuel; Araujo-Murakami, Alejandro; Miyamoto, Kazuki; Nagamasu, Hidetoshi; Nilus, Reuben; Nurtjahya, Eddy; Oliveira, Atila; Onrizal, Onrizal; Parada-Gutierrez, Alexander; Permana, Andrea; Poorter, Lourens; Poulsen, John; Ramírez, Hirma; Reitsma, Jan; **Rovero, Francesco**; Rozak, Andes; Sheil, Douglas; Silva-Espejo, Javier; Silveira, Marcos; Spironelo, Wilson; Steege, Hans; Stevart, Tariq; Aguilar, Gilberto; Sunderland, Terry; Suzuki, Eizi; Tang, Jianwei; Theilade, Ida; Heijden, Geertje; Valkenburg, Johan; Do, Tran; Vilanova, Emilio; Vos, Vincent; Wich, Serge; Woll, Hannsjoerg; Yoneda, Tsuyoshi; Zang, Runguo; Zhang, Ming-Gang; Zweifel, Nicole (2013). Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. *Global Ecology and Biogeography* 22: 1261-1271.
- Rovero F.**, Zimmermann F., Berzi D., Meek P. (2013). 'Which camera trap type and how many do I need?' A review of camera features and study designs for a range of wildlife research applications. *Hystrix, Italian Journal of Mammalogy* 24(2) (Online first). doi:10.4404/hystrix-24.2-8789.
- Rovero F.**, Collett L., Ricci S., Martin E., Spitale D. (2013). Distribution, occupancy and habitat associations of the grey-faced sengi (*Rhynchocyon udzungwensis*) as revealed by camera traps. *Journal of Mammalogy* 94: 792-800.
- Kaufman J.A., Turner G.H., Holroyd P.A., **Rovero F.**, Grossman A. (2013) Brain Volume of the Newly-Discovered Species *Rhynchocyon udzungwensis* (Mammalia: Afrotheria: Macroscelidea): Implications for Encephalization in Sengis. *PLoS ONE* 8(3): e58667. doi:10.1371/journal.pone.0058667
- Klailova M. · Casanova C. · Henschel P. · Lee P. · **Rovero F.** · Todd A. 2012. Non-Human Predator Interactions with Wild Great Apes in Africa and the Use of Camera Traps to Study Their Dynamics. *Folia Primatologica* 83: 312–328.

- Jones T, Bamford A.J., Ferrol-Schulte D., Hieronimo P., McWilliam N. and **Rovero F.** 2012. Vanishing wildlife corridors and options for restoration: a case study from Tanzania. *Tropical Conservation Science* 5: 463-474.
- Rovero F.** and Jones T. 2012. Wildlife corridors in the Udzungwa Mountains of Tanzania. *Ecological Restoration* 30: 282-285.
- Laurance W.F. and 216 authors (including **F. Rovero** ranked 39). 2012. Averting biodiversity collapse in tropical forest protected areas. *Nature* 489: 290-294.
- Rovero F.**, A. Mtui, A. Kitegile & M. Nielsen 2012. Hunting or habitat degradation? Decline of primate populations in Udzungwa Mountains, Tanzania: An analysis of threats. *Biological Conservation* 146: 89-96.
- Trentin L. and **Rovero F.** 2011. Results of an inventory of bats in the Uzungwa Scarp Forest Reserve, Tanzania. *Journal of East African Natural History* 100: 45-57.
- Ahumada J., Faresin C., Gajapersad K., Hallam C., Hurtado J., Martin E., McWilliam A., Mugerwa B., O'Brien T., **Rovero F.**, Sheil D., Spironello W., Winarni N., Andelman S. 2011. Community structure and diversity of tropical forest mammals: data from a global camera trap network. *Philosophical Transactions of the Royal Society B: Biological Sciences* 366: 2703–2711.
- Marshall A.R., Jørgensbye H.I.O., **Rovero F.**, Platts P.J., White P.C.L., and Lovett J.C. (2010). The Species–Area Relationship and Confounding Variables in a Threatened Monkey Community. *American Journal of Primatology* 72: 325-336.
- DeFries R., **Rovero F.**, Wright P., Ahumada J., Andelman S., Brandon K., Dempewolf J., Hansen A., Hewson J. & Liu J. 2010. From plot to landscape scale: linking tropical biodiversity measurements across spatial scales. *Frontiers in Ecology and the Environment*, 8: 153-160.
- Hoffmann A., Decher J., **Rovero F.**, Schaer J. Voigt C. and Wibbelt G. (in press). Field Methods and Techniques for Monitoring small and medium-sized Mammals. In: Manual on field recording techniques and protocols for ATBI+M. ABC Taxa, Brussels.
- Menegon M., Tolley K., Jones T., **Rovero F.**, Marshall A.R. & Tilbury C., (2009) - A new species of chameleon (Sauria: Chamaeleonidae: Kinyongia) from the Magombera forest and the Udzungwa Mountains National Park, Tanzania. *African Journal of Herpetology* 58: 59-70.
- Rovero F.**, Tobler M. and Sanderson J. (in press). Camera-trapping for inventorying terrestrial vertebrates. In: Manual on field recording techniques and protocols for ATBI+M. ABC Taxa, Brussels.
- Rovero F.** and Marshall A.R. 2009. Camera trapping photographic rate as an index of density in forest ungulates. *Journal of Applied Ecology*, 46: 1011-1017.
- Rovero F.**, Marshall A.R., Jones T. and Perkin A. 2009. The primates of the Udzungwa Mountains: diversity, ecology and conservation. *Journal of Anthropological Sciences* 87: 93-126.
- DeFries R., **Rovero F.**, Wright P., Ahumada J., Andelman S., Brandon K., Dempewolf J., Hansen A., Hewson J. & Liu J. 2009. From plot to landscape scale: linking tropical biodiversity measurements across spatial scales. *Frontiers in Ecology and the Environment*, doi:10.1890/080104.
- Rovero F.**, Rathbun G.B., Perkin A., Jones T., Ribble D.O., Leonard C., Mwakisoma R.R. and Doggart N. 2008. A new species of giant sengi or elephant-shrew (genus *Rhynchocyon*) highlights the exceptional biodiversity of the Udzungwa Mountains of Tanzania. *Journal of Zoology* 274: 126-133. Reported by Editor's Choice, *Science*, 619: 549.
- Bowkett A.E., **Rovero F.** and Marshall A.R. 2008. The use of camera-trap data to model habitat selection by antelope species in the Udzungwa Mountain forests, Tanzania. *African Journal of Ecology* 46: 479-487.

- Rovero F.** and De Luca D.W. 2007. Checklist of mammals of the Udzungwa Mountains of Tanzania. *Mammalia* 71: 47-55.
- Rovero F.** and Struhsaker T.T. 2007. Vegetative Predictors of Primate Abundance: Utility and Limitations of a Fine-scale Analysis. *American Journal of Primatology* 69: 1242-1257.
- Burgess N.D., Butynski T.M., Cordeiro N.J., Daggart N., Fjeldsa J., Howell K.M., Kilahama F., Loader S.P., Lovett J.C., Mbilnyi B, Menegon M., Moyer D.C., Nashanda E., Perkin A., **Rovero F.**, Stanley W.T. and Stuart S.N. 2007. The biological importance of the Eastern Arc Mountains of Tanzania and Kenya. *Biological Conservation* 134: 209-231.
- Rovero F.**, Davenport T.R.B. and Jones T. (in press). Abbott's duiker. In: Kingdon, J.S. & Hoffmann, M. (Eds). *The Mammals of Africa. Vol. 6. Pigs, Deer, Giraffe, Bovids, and Hippos*. Academic Press, Amsterdam.
- Kingdon J. and **Rovero F.** (in press). Harveys' duiker. In: Kingdon, J.S. & Hoffmann, M. (Eds). *The Mammals of Africa. Vol. 6. Pigs, Deer, Giraffe, Bovids, and Hippos*. Academic Press, Amsterdam.
- De Luca D. and **Rovero F.** (2006). First records in Tanzania of the Vulnerable Jackson's mongoose *Bdeogale jacksoni* (Herpestidae). *Oryx* 40: 468-471.
- Rovero F.** and G. B. Rathbun 2006. A potentially new giant sengi (elephant-shrew) from the Udzungwa Mountains, Tanzania. *Journal of East African Natural History*, 95: 111-115.
- Rovero F.**, Daggart, N., Bowkett, A. & Burgess, N. 2006. New records for Lowe's servaline genet from the Eastern Arc Mountains of Tanzania. *Oryx* 40: 139.
- Rovero F.**, Struhsaker T.T., Marshall A.R., Rynne T.A., Pedersen U.B., Ehardt C.L., Butynski T.M. and Mtui A.S. 2006. Abundance of Diurnal Primates in Mwanihana Forest, Udzungwa Mountains, Tanzania: a Multi-observer Comparison of Line-transect Data. *International Journal of Primatology*, 27: 675-697.
- Bowkett, A.E., Lunt, N., **Rovero, F.** and Plowman, A.B. 2006. How do you monitor rare and elusive mammals? Counting duikers in Kenya, Tanzania and Zimbabwe. In: *Animals, Zoos and Conservation*. Zgrabczyńska, E., Ćwiertnia, P. and Ziomek, J. (eds.), Zoological Garden in Poznan, Poland. pp.21-28.
- Rovero F.** and A. Mtui 2006. Comparing multi-observer, line transect data for primate monitoring: a case from the Udzungwa Mountains of Tanzania. Proceedings of the 21st Congress of the International Primatological Society. *International Journal of Primatology*, 27 (Special Issue): abstract #350.
- Rovero F.**, Jones T. & Sanderson J. 2005. Notes on Abbott's duiker (*Cephalophus spadix* True 1890) and other forest antelopes of Mwanihana Forest, Udzungwa Mountains, Tanzania, as revealed by camera-trapping and direct observations. *Tropical Zoology*, 18: 13-23.
- Rovero F.** and Marshall A.R., 2005. Diversity and abundance of diurnal primates and forest antelopes in relation to habitat quality: a case study from the Udzungwa Mountains of Tanzania, pp. 297-304. In: *African Biodiversity: Molecules, Organisms, Ecosystems*. Proc. 5th Intern. Symp. Trop. Biol., Museum Koenig, Bonn (BA Huber, BJ Sinclair, K-H Lampe, eds). Springer Verlag. 2005.
- Rovero F.** and Mashall A.R. 2004. Estimating the abundance of forest antelopes by using line transect techniques: a case from the Udzungwa Mountains of Tanzania. *Tropical Zoology*, 17: 267-277.
- Rovero F.**, Hughes R.N. and Chelazzi G. 2000. When time is of the essence: choosing a currency for prey-handling costs. *Journal of Animal Ecology*, 69, 683-689.
- Rovero F.**, 2000. Non-invasive techniques for studying behavioural mechanisms and physiological states of marine invertebrates. *Unpublished Ph.D. thesis*, University of Wales.
- Rovero F.**, Hughes R.N., Whiteley N.M. and Chelazzi G. 2000. Estimating the energetic cost of fighting in shore crabs by noninvasive monitoring of heartbeat rate. *Animal Behaviour*, 59, 705-713.

Rovero F., Hughes R.N. and Chelazzi G. 1999. Effect of experience on the predatory behaviour of dogwhelks. *Animal Behaviour*, 57, 1241-1249.

Rovero F., Hughes R.N. and Chelazzi G. 1999. Cardiac and behavioural responses of mussels to risk of predation by dogwhelks. *Animal Behaviour*, 58, 707-714. Reviews appeared on New Scientist, Science News and Nature Australia.

Rovero F., Lebboroni M. and Chelazzi G. 1999. Aggressive interactions and mating in wild populations of the European pond turtle *Emys orbicularis*. *Journal of Herpetology*, 33(2), 258-263.

Rovero F. and Chelazzi G. 1996. Nesting migrations in a population of the European pond turtle *Emys orbicularis* (L) (Chelonia Emydidae) from central Italy. *Ecology, Ethology and Evolution*, 3:297-304.

Selected conference participation

- “9th Congress Associazione Teriologica Italiana”, Civitella Alfedena, Italy (maggio 2014). Presented paper: Assessing tropical forest mammal communities using camera trapping and occupancy analysis: case study from the Udzungwa Mountains of Tanzania
- “21st Meeting of the Italian Primatological Society”, Asti, Italy (May 2013). Presented paper: Camera trapping for the study of ground-dwelling primates: case study on the endemic Sanje mangabey in the Udzungwa Mountains of Tanzania
- “The Annual Meeting of the Association for Tropical Biology and Conservation”, Arusha, Tanzania, June 2011.
- “7th Tanzania Wildlife Research Institute Scientific Conference”, Arusha, Tanzania (December 2009). Presented paper: The primates of the Udzungwa Mountains: diversity, ecology and conservation.
- “The Annual Meeting of the Association for Tropical Biology and Conservation”, Paramaribo, Suriname, June 2008. Presented paper: The importance of monitoring human activities in the Zone of Interaction to interpret biodiversity measurements: case study from the Udzungwa Mountains of Tanzania
- “19th Meeting of the Italian Primatological Society”, Asti, Italy (May 2009). Presented paper: Habitat determinants of primate abundance in the Udzungwa Mountains of Tanzania: conservation relevance of a fine-scale analysis.
- “6th Tanzania Wildlife Research Institute Scientific Conference”, Arusha Tanzania (December 2007).
- “Natural History Museums and Institutions in the 21st century: Impact on our common future”. Buffon International Symposium, Paris, National Museum of Natural History (October 2007). Poster: Rovero F. and Menegon M. 2007. Biodiversity research, conservation and education by Trento Museum of Natural Sciences in a biological hotspot in Tanzania.
- “18th Meeting of the Italian Primatological Society”, Calci, Italy (May 2007). Presented paper: Rovero F., Struhsaker T.T. - Habitat determinants of primate abundance in the Udzungwa Mountains of Tanzania: conservation relevance of a fine-scale analysis. *Folia Primatologica*, in press.
- “21st Congress of the International Primatological Society”, Entebbe, Uganda (June 2006). Poster: Rovero F. and A. Mtui 2006. Comparing multi-observer, line transect data for primate monitoring: a case from the Udzungwa Mountains of Tanzania. *International Journal of Primatology*, 27 (Special Issue): abstract #350.
- “5th Tanzania Wildlife Research Institute Scientific Conference”, Arusha Tanzania (December 2005).
- “Udzungwa Mountains Workshop”, Morogoro, Tanzania (December 2004). Presented paper: Rovero F., Menegon M. and Struhsaker T.T. 2004. Biological importance and urgent need for protection of the Udzungwa Scarp Forest Reserve and other forests of the Udzungwa Mountains. Udzungwa Mountains Workshop, unpubl. report, ed. WWF-Tanzania.
- “5th International Symposium on Tropical Biology”, Museum Koenig, Bonn, Germany (May 2004). Poster: Rovero F. & Marshall A.R., 2004. Diversity and abundance of diurnal primates and forest antelopes in relation to habitat quality: a case study from the Udzungwa Mountains of Tanzania.
- “16th Meeting of the Italian Primatological Society”, Radicondoli, Italy (October 2003). Presented paper: Rovero F., 2004. Line Transects to Estimate the Abundance of Diurnal Primates in the Udzungwa Mountains National Park, Tanzania. *Folia Primatologica*, 75: 386-387.

Grants and Fellowships

2013-2014 Conservation International Tropical Ecology Assessment and Monitoring Network (TEAM). Monitoring grant for year 5 of TEAM site in the Udzungwa Mountains. PI (\$ 112.000).

2013-2014 Trento Autonomous Province. “Getting REDDY - Phase 2: compensating emissions through preventing deforestation in Tanzania and Amazonia”. Co-PI (Euro 60.000).

2012-2013 Conservation International Tropical Ecology Assessment and Monitoring Network (TEAM). Monitoring grant for year 4 of TEAM site in the Udzungwa Mountains. PI (\$ 101.000).

2012-2013 Rufford Small Grants Foundation. Continuation Grant: “Boosting local capacity for ecological monitoring: long-term, integrated research and conservation programme in the Udzungwa Mountains” PI (UK£ 24.900)

2011-2012 Conservation International Tropical Ecology Assessment and Monitoring Network (TEAM). Monitoring grant for year 3 of TEAM site in the Udzungwa Mountains. PI (\$ 100.000).

2010-2011 Trento Autonomous Province. “Getting REDDY: compensating emissions through preventing deforestation in Tanzania and Amazonia”. Co-PI (Euro 99.000).

2010-2011: Conservation International Tropical Ecology Assessment and Monitoring Network (TEAM). Monitoring grant for year 2 of TEAM site in the Udzungwa Mountains. PI (\$ 98.000).

2010-2011: The Mohamed Bin Zayed Species Conservation Fund. Ecology and conservation of the grey-faced sengi *Rhynchocyon udzungwensis*. PI (\$ 15.000).

2009-2010: Conservation International Tropical Ecology Assessment and Monitoring Network (TEAM). Monitoring grant for year 1 of TEAM site in the Udzungwa Mountains. PI (\$ 71.000).

2008-2009: Rufford Small Grants. “Ranger and community-based monitoring of biodiversity in the Udzungwa Mountains National Park. PI (£ 10.000).

2008-2009: Conservation International Tropical Ecology Assessment and Monitoring Network (TEAM). Start-up grant for establishing a TEAM site in the Udzungwa Mountains. PI (\$ 116.000).

2008-2009: National Geographic Society. “Revealing the evolutionary history and ecological adaptations of a recently discovered species of giant elephant-shrews from the Udzungwa Mountains of Tanzania” PI (\$ 25.000).

2006-2008: Critical Ecosystem Partnership Fund to Tanzania Forest Conservation Group and Trento Museum. “Filling the Knowledge Gap: surveys in poorly known sites and species in the Eastern Arc and coastal forests”. Co-PI (\$ 238.000).

2006-2007: Critical Ecosystem Partnership Fund to Trento Museum “Assessing the potential for restoring connectivity and evaluating options for improved management of southern forests in the Udzungwa Mountains”. Principal Investigator (\$ 89.000).

2005-2006: Margot Marsh Biodiversity Fund “Establishment of the Udzungwa Ecological Monitoring Centre”. PI (\$ 20.000).

2004-2007: Post-doctoral fellowship from Trento Autonomous Province to Trento Museum “Ecology and conservation of primates and forest antelopes in a rainforest biodiversity hotspot in Tanzania”. PI (Euro 161.000).

2002-2004: Rufford Small Grants “Udzungwa Mountains Primate and Forest Antelope Conservation Project”. PI (£ 10.000).

Professional memberships

Since 2008, member of the IUCN-Species Survival Commission Afrotheria Specialist Group.

Member of the Society of Conservation Biology (SCB) and the Association for Tropical Biology and Conservation (ATBC).

Member of the International Reviewers Panel of the African Journal of Ecology. He routinely referees for international ecological and conservation journals.