



TROPIMUNDO

ERASMUS MUNDUS MASTERS COURSE IN TROPICAL BIODIVERSITY AND ECOSYSTEMS

Giacomo SANTINI, TROPIMUNDO UNIFI Local Coordinator

Giacomo Santini leads the Integrative Ecology Group at the Department of Biology of the University of Florence. He holds an MSc in Biology and a PhD in Animal Biology (Ethology), obtained in 1994. He obtained an EU-funded post-doc position at UNIFI and in 1997 he was appointed Senior Lecturer (permanent position) at the same University. He is Aggregate Professor of Ethology & Animal Ecology and Models & Methods in Conservation Biology. The research interests of his group are mainly in the field of animal ecology, with a major interest in ii) behavioural ecology, ii) population dynamics and iii) community ecology. Concerning behavioural ecology, the primary interest is in the foraging of intertidal molluscs, and foraging/aggressive behaviour of social animals (ants). For what concerns population dynamics, the research focus is on the analysis of population changes in response to natural and anthropogenic stresses. Finally, concerning community ecology the main interest is in the analysis of the determinants of arthropod community structure and function in agroecosystems.

1	Family name	SANTINI		
2	First name	Giacomo		
3	Place and Date of birth	Prato, 9 November 1964		
4	Nationality	Italian		
5	E-mail	Giacomo.santini@unifi.it		
6	Education / Professional studies			
	Dates (from-to)	Institution	Degree/diploma	
	01/10/1983 23/04/1989	University of Florence	Laurea in Scienze Biologiche (Equivalent to a Master of Science)	
	1992-1994	University of Florence	PhD – Animal Biology	
7	Language skills Grade skill 1-5 (1 = basic, 5 = excellent, * = mother tongue)			
	Language	Speaking	Reading	Writing
	Italian*	5	5	5
	English	5	5	5
	Spanish	4	5	4
8	Membership of professional bodies			
	International Union for the Study of Social Insects (IUSI), Società Italiane di Ecologia (SIE)			
9	Other Skills			
	Computer programming, mathematical modelling			
10	Name of organisation currently working for and Present position in the organisation	University of Florence, Italy (UNIFI) Present position in the organisation: Senior Lecturer (permanent position)		
11	Years with the organisation	25		
12	Long-term experience in selected countries/territories			
	Country	Date	Details	

	Malaysia	2015-present	<i>Ex situ</i> experience managing TROPIMUNDO from UNIFI
	Australia	2015-present	<i>Ex situ</i> experience managing TROPIMUNDO from UNIFI
	Cameroon	2015-present	<i>Ex situ</i> experience managing TROPIMUNDO from UNIFI
13	Professional experience record		
	Location	Date	Organisation
	Florence	1983-present	University of Florence
	Position	Student, Postdoc , Researcher, Lecturer	
	Responsibilities	Scientific research, Education, Administration	
14	Publications		
	Number of publications in peer-reviewed journals		
	57		
	10 publications that are most representative in the field of tropical biodiversity and ecosystems		
	<ol style="list-style-type: none"> 1. Balzani P., Vizzini S., Santini G., Ciofi C., Ricevuto E., Chelazzi G. (2016) Stable isotope analysis of trophic niche in two co-occurring native and invasive terrapins, <i>Emys orbicularis</i> and <i>Trachemys scripta elegans</i>. <i>Biological Invasions</i> 18: 3611-3621. 2. Ducci L., Agnelli P., Di Febbraro M., Frate L., Russo D, Loy A, Carranza M.L., Santini G., Roscioni, F. (2015) Different bat guilds perceive their habitat in different ways: a multiscale landscape approach for variable selection in species distribution modelling. <i>Landscape Ecology</i> 30: 2147-2159. 3. Frizzi F., Ciofi C., Dapporto L., Natali C., Chelazzi G., Turillazzi S., Santini G. (2015) The rules of aggression: How genetic, chemical and spatial factors affect intercolony fights in a dominant species, the mediterranean acrobat ant <i>Crematogaster scutellaris</i>. <i>PLoS ONE</i> 10: e0137919. 4. Santini G., Ngan A., Chelazzi G., Williams GA (2014) What drives foraging behaviour of the intertidal limpet <i>Cellana grata</i>? A quantitative test of a dynamic optimization model. <i>Functional Ecology</i>, 28: 963–972. 5. Santarlaschi A., Martelloni G., Frizzi F., Santini G., Bagnoli F. (2014) Modeling warfare in social animals: A "chemical" approach. <i>PLoS ONE</i> 9: e111310. 6. Batchelor T.P., Santini G., Briffa M. (2012) Size distribution and battles in wood ants: group resource-holding potential is the sum of the individual parts. <i>Animal Behaviour</i> 83: 111-117. 7. Imperio S., Focardi S., Santini G., Provenzale A. (2012) Population dynamics in a guild of four Mediterranean ungulates: density-dependence, environmental effects and inter-specific interactions. <i>Oikos</i> 121: 1613–1626 8. Santini G., Ramsay P.M., Tucci L., Ottonetti L., Frizzi F. (2011) Spatial patterns of the ant <i>Crematogaster scutellaris</i> in a model ecosystem. <i>Ecological Entomology</i>, 36: 625-634. 9. Santini G., Ngan A., Williams G.A. (2011) Plasticity in the temporal organization of behaviour in the limpet <i>Cellana grata</i>. <i>Marine Biology</i>, 158: 1377-1386. 10. Ottonetti L., Tucci L., Frizzi F., Chelazzi G., Santini G. (2010) Changes in ground-foraging ant assemblages along a disturbance gradient in a tropical agricultural landscape. <i>Ethology Ecology and Evolution</i>, 22: 73-86. 		
15	Number of conference presentations (between brackets invited contributions)		
	55 (1)		