

ACCADEMIA NAZIONALE ITALIANA DI ENTOMOLOGIA

Leonardo DAPPORTO

Nato a Città di Castello (Perugia) il 17 giugno 1961

CREA - DC

Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria

Centro di ricerca Difesa e Certificazione

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TITOLI DI STUDIO, ABILITAZIONE, FORMAZIONE E SPECIALIZZAZIONE

Maturità Classica (Liceo 'N. Machiavelli' di Firenze (1980)); Laurea in Scienze Biologiche presso la Facoltà di Scienze Matematiche, Fisiche e Naturali dell'Università di Firenze (1991); abilitazione all'esercizio della professione di Biologo (1992); Master "Conservazione e Gestione della Fauna" presso Dipartimento di Biologia Animale e Genetica, Università degli Studi di Firenze (Anno Accademico 1995/96); Dottorato di Ricerca in Biotecnologie microbiche agrarie, XIX Ciclo, tutor: Prof. Surico (2008); collabora e frequenta in Stage/visiting researcher: Institute for Biodiversity and Ecosystem Dynamics, Population Biology Section University of Amsterdam (Olanda); ARO e Università di Tel Aviv (Israele); Warsaw University of Life Sciences - SGGW, Department of Applied Entomology, Faculty of Horticulture, Biotechnology (University of Varsavia, Polonia) (2010, 2012, 2017, 2018).

ATTIVITA' DI SERVIZIO, PROGETTI, PUBBLICAZIONI

Contratto a tempo determinato presso ISZA (Istituto Sperimentale per la Zoologia Agraria) di Firenze (1985-1988); Tecnico diplomato presso ISZA/CRA (Firenze) (1988-2006); dal 2006 Ricercatore presso CREA-DC (Firenze); dal 2017 Responsabile di Sede CREA-DC (Firenze).

Dal 2006: coordinatore e/o responsabile di unità operative in più di 30 progetti e convenzioni di ricerca nazionali e internazionali. Titolare - applicant ed inventor - della responsabilità scientifica del brevetto internazionale (WO/2007/075081)(2007); Dal 2007, National Contact Point per EUPHRESKO I ed EUPHRESKO II (progetto EU, FP VI, FP VII was financed by the 7th Framework programme ERA-Net scheme. Coordinatore (Project coordinator) del Progetto EU (EUPHRESKO Pilot

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CEREBRO FAVCIBVS VTERO
AB ORBIS ORIGINE
TENENT

Call) “Damage potential of *Drosophila suzukii* and development of risk management and control measures (DROSKII)” (2012-2014).

Tutor di dottorato di ricerca internazionale “Insect Science and Biotechnology” (2011-2014)

Dal 2006, Responsabile e referente in una trentina 30 progetti/convenzioni ed unità operative nazionali ed internazionali

Dal 2016, Componente del ‘Gruppo di Lavoro permanente per la Protezione delle Piante’, ‘Tavolo PAC Agricoltura biologica (CREA-MiPAAF)

Dal 2013, Associate Editor di REDIA, International Journal of Zoology.

Referee per Riviste Internazionali quali: Experimental and Applied Acarology, 'Acarologia', Insect Science, Journal of Applied Entomology, Phytoparasitica; Biocontrol, Florida Entomologist, RIA.

Membro di Società Scientifiche EURAAC, Grimpp, IOBC

Pubblicazioni: è autore di più di 200 lavori scientifici e divulgativi su riviste internazionali e nazionali

AMBITI DI RICERCA

Messa a punto e pianificazione di disegni sperimentali e tecniche di monitoraggio di artropodi fitofagi e loro predatori (controllo biologico di artropodi fitofagi). Risposte adattative e resistenza di acari, loro feedback rispetto a modificate condizioni ambientali (clima, disponibilità alimentari). Caratterizzazione e studio di comunità di artropodi attraverso l'utilizzo di indici di biodiversità. Bioecologia, risposta funzionale e numerica, dinamica di predatori in laboratorio ed in agroecosistemi diversi. Studio dei meccanismi alla base del riconoscimento della preda e del substrato da parte del predatore. Bioecologia e controllo di acari delle polveri e delle derrate, loro utilizzo nella mesa a punto di allevamenti di acari predatori.

English version

PERSONAL INFORMATION

Leonardo Dapporto, born in Florence (Italy), Date of birth: 07 August 1971. Gender: male. Citizen: Italian.

Research ID: E-5752-2010;

URL for web site: www.santuariodellefarfalle.it

Resident in Prato (Italy), via del Purgatorio 173 CAP 59100

Email: leondap@gmail.com

EDUCATION

01/01/2010- 11/03/2013 Second PhD in Microbial Agricultural Biotechnologies, Vegetal Pathology Dept. University of Florence, Italy.

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01/03/2000 - 06/07/2003 PhD study in Ethology and Ecology at the Biology Dept., University of Florence, Italy.

05/05/1993 - 27/10/1998 "Laurea" in Natural Sciences (equivalent to a MSc) in Florence University, Italy.

CURRENT POSITION

01/01/2017 - Present Researcher (RTDA) in Florence University at the department of Biology.

WORKING EXPERIENCE

01/09/2015 - 31/12/2016 Marie Curie fellow in the Institut de Biologia Evolutiva (CSIC-UPF Barcelona) in the Butterfly Diversity and Evolution.

01/09/2014-31/08/2014 Lecturer in Ecology at the Centre for Ecology, Environment and Conservation of the Oxford Brookes University, UK.

01/09/2013 – 31/08/2014 Early Career Research Fellow in Ecology at the Centre for Ecology, Environment and Conservation of the Oxford Brookes University, UK.

01/09/2006 – 01/01/2010 Teacher in Secondary school.

01/09/ 2004 - 31/03/2006 Research grants at the Museum of Natural History and the Territory, Pisa University, Italy.

01/09/ 2002 - 31/08/ 2004 Post-doctoral fellow at the Museum of Natural History and the Territory, Pisa University, Italy.

01/03/2000 - 06/07/2003 PhD scholarship in Ethology and Ecology at the Dept. of Animal Biology, University of Florence, Italy.

TEACHING ACTIVITIES

University of Florence in post-graduate course of Biology and Natural Science:

- i) Ecophysiology and Climate Change (Module Leader 2015-2017)
- ii) Animal Biodiversity (Module co-Leader 2016-2017)
- iii) Field work for Naturalist (2016-2017)

Oxford Brookes University in under-graduate modules (2013-2015):

- i) Advanced Topics in Wildlife Conservation (Module Leader 2014-2015)
- ii) Environmental Change: Field-Work and Research
- iii) Skills for life sciences
- iv) Threatened species

Oxford Brookes University in post-graduate modules (2013-2015):

- i) Ecology for conservation
- ii) Biodiversity and ecosystem services

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Guest teacher at the International PhD Course "From Solitary To Superorganism: The Evolution Of Insect Societies" Impruneta, Florence, 1 – 6 November 2009.

Teaching at the University of Florence in modules of Biology and Natural Science courses (2000-2009):

i) Entomology

ii) Zoology

Teaching at the University of Florence for the advanced laboratory course in Biology and Natural Science (2000-2003):

Experimental Zoology

From May 2006 to present, the applicant is a permanent teacher at the primary school.

SUPERVISING ACTIVITY

Co-supervisor in the PhD work of Raluca Voda at the Institut de Biologia Evolutiva in Barcelona "Biodiversity and comparative phylogeography of western Mediterranean butterflies". Defended 11 December 2015.

MSc project supervisor at Oxford Brookes University of Albie Henry and Luke Evans.

Co-supervisor in 5 theses on Lemur behavioural ecology, 7 theses on Mediterranean biodiversity and 4 theses on social wasp biology at Pisa and Florence Universities.

PROFESSIONAL ACTIVITY IN BIOLOGY CONSERVATION AND PUBLIC OUTREACH

Creation of the "Butterfly Sanctuary" on Elba island (2009). This activity has been largely covered by the main Italian media (the RAI1 first television channel, the main Italian daily journals (Corriere della Sera, La Repubblica), the monthly magazine Oasis) and it has also been included in the introduction of the book "The Ecology of Butterflies in Europe, Cambridge University Press"

A number of focus articles dedicated to the research achievements have been published in several popular Italian magazines and daily journals: Oasis, Le Scienze, Corriere della Sera, Repubblica, Il Venerdì, La Nazione, Il Tirreno.

The recent publication on PNAS of the natural life cycle of baker yeast had a great resonance in many local and world-wide media included the New York Times (<http://www.nytimes.com/2012/08/07/science/dont-swat-that-bug-it-may-be-working-on-next-years-vintage.html>)

EDITORIAL ACTIVITY

Member of the editorial board of:

Journal of Zoological Systematics and Evolutionary Researches

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Psyche

Entomologia

Journal of Insect Biogeography

ORGANISATION OF SCIENTIFIC MEETINGS

01/06/2015 – 07/06/2015 Main organizer of the "butterfly week 2016" on Aeolian islands involving research expeditions, public engagement and seminar lectures. Parties involved: Università di Torino, Italy, Institut de Biologia Evolutiva, Spain; the Italian agency for the environment Legambiente and the direction of the Tuscan Archipelago National park.

01/06/2015 – 07/06/2015 Main organizer of the "butterfly week 2015" in Southern Italy involving research expeditions and public engagement. Parties involved: Oxford Brookes University, UK; Università di Torino, Italy, Institut de Biologia Evolutiva, Spain; the Italian agency for the environment Legambiente and the direction of the Sila National parks.

01/06/2014 – 06/06/2014 Main organizer of the "butterfly week 2014" initiative in the National Park of Tuscan Archipelago (Italy) involving research expeditions on six islands, one conference and public engagement. Parties involved: Oxford Brookes University, UK; Università di Torino, Italy, Institut de Biologia Evolutiva, Spain; the Italian agency for the environment Legambiente and the direction of the National parks. Hundreds of peoples participated to public research expeditions.
<http://iltirreno.gelocal.it/piombino/cronaca/2014/05/30/news/elba-capitale-europea-delle-farfalle-1.9327762>.

INSTITUTIONAL RESPONSIBILITIES

17/02/2015 – 18/02/2015 Member of the committee of the IUCN project for the assessment of the red list of the Italian butterflies.

18/02/2013 – 22/02/2013 Representative of Italy for the IUCN project "Mediterranean Biodiversity Assessment - Phase II".

COMMISSIONS OF TRUST

21/03/2011 – 21/04/2011 Review Board for National Geographic Society

18/06/2010 – 16/08/2010 Review Board for Czech Science Foundation (GA CR) (Czech rep.).

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

06/06/2001 – present. Member of the International Union for the Study of Social Insects.

17/08/2014 – present. Member of the International Society of Biogeography.

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MAJOR COLLABORATIONS

Prof. Roger LH Dennis, Butterfly ecology, Centre for Ecology, Environment and Conservation of the Oxford Brookes University, UK.

Prof. Stefano Turillazzi group, Wasp sociobiology, Dept. of Biology, University of Florence, Italy.

Prof. Tim Shreeve, Butterfly ecology, Centre for Ecology, Environment and Conservation of the Oxford Brookes University, UK.

Dr. Roger Vila, Butterfly genetics, Institut de Biologia Evolutiva, Barcelona, Spain.

Prof. Emilio Balletto group, Butterfly natural history, Dip. di Scienze della Vita e Biologia dei Sistemi, University of Turin, Italy.

SOFTWARE

Main author and maintainer of the recluster R package "Ordination Methods for the Analysis of Beta-Diversity Indices", freely distributed under the GNU General Public License (GPL-3) in the Comprehensive R Archive Network (CRAN). Papers related to the development of the software have been published in top journals for Zoology, Ecology and Evolution (e.g. *Ecography*, *Journal of Biogeography*, *Methods in Ecology and Evolution*).

PUBLICATIONS IN ISI JOURNALS:

90 papers on ISI journals

total citations 1830. H-index: 24 (from Google Scholar).

1. Sledge MF, Dani FR, Ceruo R, Dapporto L, Turillazzi S 2001. Recognition of social parasite as nest-mates: adoption of colony-specific host cuticular odours by the paper wasp parasite *Polistes sulcifer*. *Proc R Soc B* 268:2253-2260.
2. Dapporto L (2004). Biometric evidences of the synonymy of *Compsoptera aemiliorum* Raineri, 1994 with *C. opacaria* (Hübner, 1819) (Lepidoptera Geometridae). *Redia* 87:73-75.
3. Dapporto L, Ceruo R, Sledge MF, Turillazzi S 2004. Rank integration in dominance hierarchies of host colonies by the paper wasp social parasite *Polistes sulcifer*. *J Insect Physiol* 50:217-223.
4. Dapporto L, Theodora P, Spacchini C, Pieraccini G, Turillazzi S 2004. Rank and epicuticular hydrocarbons in different populations of the paper wasp *Polistes dominulus* *Insect Soc* 51:279-286.
5. Dapporto L, Pansolli C, Turillazzi S 2004. Hibernation clustering and its consequences for associative nest foundation in *Polistes dominulus*. *Behav Ecol Sociobiol* 56:315-321.

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6. Dapporto L, Palagi E, Turillazzi S 2004. Cuticular hydrocarbons of *P. dominulus* as a biogeographic tool: a study on some populations of the Tuscan Archipelago and the surrounding areas. *J Chem Ecol* 30:2139-2151.
7. Turillazzi S, Sledge MF, Dapporto L, Landi M, Fanelli D, Fondelli L, Zanetti P, Dani FR 2004. Epicuticular lipids and fertility in primitively social wasps. *Physiol Entomol* 29:464-471.
8. Dapporto L, Palagi E, Turillazzi S 2005. Sociality outside the nest: helpers in pre-hibernating clusters of *Polistes dominulus*. *Ann Zool Fennici* 42:135-139.
9. Palagi E, Dapporto L, Borgognini-Tarli S 2005. The neglected scent: On the marking function of urine in *Lemur catta*. *Behav Ecol Sociobiol* 58:437-445.
10. Dapporto L, Palagi E, Cini A, Cotoneschi C, Paoli T, Turillazzi S 2005. Do nest fidelity and intolerance decrease at the end of the colony cycle in *Polistes dominulus* (christ.)? *Redia* 87: 227-229.
11. Dapporto L, Magi F, Nappini S, Banchetti R (2005). Under-estimate in a moth biodiversity measurement owing to a migratory event of *Spodoptera exigua*. *Curr Zool* 51:909-911.
12. Dapporto L, Sledge MF, Turillazzi S 2005. Dynamics of cuticular chemical profiles of *Polistes dominulus* workers in orphaned nests. *J Insect Physiol* 51:969-973.
13. Turillazzi S, Mastrobuoni G, Dani FR, Moneti G, Pieraccini G, La Marca G., Bartolucci G, Perito B, Lambardi D, Cavallini V, Dapporto L 2006. Dominulin A and B: two new antibacterial Peptides identified on the cuticle and in the venom of the social paper wasp *Polistes dominulus* using MALDI-TOF MALDI-TOF/TOF and ESI-Ion Trap. *J Am Soc Mass Spectrom* 17:376-383.
14. Palagi E, Dapporto L 2006. Urine marking and urination in *Lemur catta*: a comparison of design features. *Ann Zool Fennici* 43:280-284.
15. Palagi E, Dapporto L 2006. Beyond odor discrimination: demonstrating individual recognition in *Lemur catta*. *Chem Senses* 31:437-443.
16. Dapporto L, Fondelli L, Turillazzi S 2006. Nestmate recognition and identification of cuticular hydrocarbons composition in the swarm founding paper wasp *R. opifex*. *Biochem Syst Ecol* 34:617-625.
17. Dapporto L, Palagi E, Cini A, Turillazzi S 2006. Pre-hibernating aggregations of *Polistes dominulus*: an occasion to study early dominance assessment in social insects. *Naturwissenschaften* 93:321-324.
18. Turillazzi S, Dapporto L, Pansolli C, Boulay R, Dani FR, Moneti G, Pieraccini G 2006. Habitually used hibernation sites of paper wasps are

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- marked with venom and cuticular peptides. *Curr Biol* 16:530-531.
19. Stahlhut JK, Liebert AE, Starks PT, Dapporto L, Jaenike J 2006. *Wolbachia* in the invasive European paper wasp *Polistes dominulus*. *Insect Soc* 53:269-273.
 20. Dapporto L, Turillazzi S, Palagi E 2006. Dominance interactions in young adult foundresses of a paper wasp: a play-like behaviour? *J Comp Psychol* 120:394-400.
 21. Dapporto L, Palagi E 2006. Wasps in the shadow. Looking at the pre-hibernating clusters of *Polistes dominulus*. *Ann Zool Fennici* 43:583-594 (Invited review).
 22. Dapporto L, Cini A, Palagi E, Morelli M, Simonti A, Turillazzi S 2007. Behaviour and chemical signature of pre hibernating females of *P. dominulus* infected by the strepsipteran *X. vesparum*. *Parasitology* 134:545-552.
 23. Dapporto L, Wolf H, Strumia F 2007. Recent geography determines the distribution of some flying Hymenoptera in the Tuscan Archipelago. *J Zool* 272:37-44.
 24. Biaggini M, Consorti R, Dapporto L, Dellacasa M, Paggetti E, Corti C 2007. The taxonomic level order as a possible tool for rapid assessment of Arthropod diversity in agricultural landscapes. *Agric Ecosyst Environ* 122:183-191.
 25. Dapporto L, Dani FR, Turillazzi S 2007. Social dominance molds cuticular and egg chemical blends in a paper wasp. *Curr Biol* 17:r504-r505.
 26. Palagi E, Dapporto L 2007. Females do it better. individual recognition experiments reveal sexual dimorphism in *Lemur catta* olfactory motivation and territorial defence. *J Exp Biol* 210:2700-2705.
 27. Dapporto L. 2007. Cuticular lipid diversification in *Lasiommata megera* and *L. paramegera*: the influence of species, sex, and population. *Biol J Linn Soc* 91:703-710.
 28. Dapporto L, Cini A 2007. Faunal patterns in Tuscan archipelago butterflies: the dominant influence is recent geography not paleogeography. *Eur J Entomol* 104:497-503.
 29. Dapporto L, Santini A, Dani FR, Turillazzi S 2007. Workers of a *Polistes* paper wasp detect the presence of their queen by chemical cues. *Chem Senses* 32:795-802.
 30. Dapporto L, Lambardi D, Turillazzi S 2008. Not only cuticular lipids: First evidence of differences between foundresses and their daughters in polar substances in the paper wasp *P. dominulus*. *J Ins Physiol* 54:89-95.
 31. Cervo R, Dapporto L, Beani L, Turillazzi S 2008. On status badges and quality signals in the paper wasp *Polistes dominulus*: body size, facial colour

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- patterns and hierarchical rank. *Proc R Soc B* 275:1189-1196.
32. Dapporto L, Strumia F 2008. A rapid assessment of Lepidoptera biogeography in the Tuscan Archipelago using economical Malaise traps. *Ital J Zool* 75: 219-224.
33. Dapporto L, Dennis RLH 2008. Species' richness, rarity and endemism of Italian offshore islands: complementary signals from island-focused and species-focused analyses. *J Biogeogr* 35:664-674.
34. Dapporto L, Strumia F 2008. The thorny subject of insular endemic taxonomy: morphometrics reveal no evidence of speciation between *Coenonympha corinna* and *C. elbana* butterflies. *Zootaxa* 1755:47-56.
35. Dapporto L 2008. Geometric morphometrics reveal male genitalia differences in the *Lasiommata megera/paramegera* complex and the lack of a predicted hybridization area in the Tuscan Archipelago. *J Zool Syst Evol Res* 46:224-230.
36. Dapporto L, Dennis RLH 2008. Island size is not the only consideration. Ranking priorities for the conservation of butterflies on Italian offshore islands. *J Insect Conserv* 12:237-249.
37. Dennis RLH, Dapporto L, Shreeve TG, John E, Coutsis JG, Kudrna O, Saarinen K, Ryrholm N, Williams WR 2008. Butterflies of European islands: the implications of the geography and ecology of rarity and endemism for conservation. *J Insect Conserv* 12:205-236.
38. Dapporto L 2008. The asymmetric scent. Ringtailed lemurs (*Lemur catta*) have distinct chemical signatures in left and right brachial glands. *Naturwissenschaften* 95:987-991.
39. Dapporto L, Dennis RLH 2009. Conservation biogeography of large Mediterranean islands. Butterfly impoverishment, conservation priorities and inferences for an ecological "island paradigm". *Ecography* 32:169-179.
40. Dapporto L 2009. Core and satellite butterfly species on Elba island. A study on persistence based on 120 years of collection data. *J Insect Conserv* 13:421-428.
41. Dapporto L, Liebert AE, Starks PT, Turillazzi S 2009. The relationships between cuticular hydrocarbon composition, faunal assemblages, inter-island distance, and population genetic variation in Tuscan Archipelago wasps. *Biochem Syst Ecol* 37:341-348.
42. Cini A, Dapporto L 2009. Autumnal helpers of *Polistes dominulus* represent a distinct behavioural phenotype. *Ann Zool Fennici* 46:423-430.
43. Dapporto L, Bruschini C, Baracchi D, Cini A, Gayubo F, González JA, Dennis RLH 2009. Phylogeography and counter-intuitive inferences in island biogeography: evidence from morphometric markers in the mobile

butterfly *Maniola jurtina*. *Biol J Linn Soc* 98:677–692.

44. Dapporto L 2010 Speciation in Mediterranean refugia and post-glacial expansion of *Zerynthia polyxena* (Lepidoptera, Papilionidae). *J Zool Syst Evol Res* 48:229-237.
45. Baracchi D, Dapporto L, Turillazzi S 2010. The medium molecular weight polar substances of the cuticle as powerful tools in the study of taxonomy systematics and chemical ecology of tropical hover wasps (Hymenoptera, Stenogastrinae) *J Zool Syst Evol Res* 48:109-114.
46. Dapporto L, Bruschini C, Cervo R, Petrocelli I, Turillazzi S 2010. Hydrocarbon rank signatures correlate with differential oophagy and dominance behaviour in *Polistes dominulus* foundresses. *J Exp Biol* 213:453-458. [5]
47. Dapporto L 2010. Satyrinae butterflies from Sardinia and Corsica show a kaleidoscopic intraspecific biogeography (Lepidoptera, Nymphalidae) *Biol J Linn Soc* 100:195-212.
48. Dapporto L, Turillazzi S 2010. Different ranks, different strategies and constraints: analysis of anatomical and physiological traits supports work castration and social coercion in a paper wasp. *Rend Lincei-Sci Fis* 21:163-170.[1]
49. Dapporto L, Dennis RLH 2010. Skipper impoverishment on large West Mediterranean islands: deterministic, historical and stochastic factors. *Biodivers Conserv* 19:2637-2649.
50. Dapporto L, Bruschini C, Cervo R, Dani FR, Jackson DE, Turillazzi S 2010. Timing matters when assessing dominance and chemical signatures in the paper wasp *P. dominulus*. *Behav Ecol Sociobiol* 64:1363-1365.
51. Dennis RLH, Dapporto L, Sparks TH, Williams SR, Greatorex-Davies JN, Asher J, Roy DB 2010. Turnover and trends in butterfly communities on two British tidal islands: stochastic influences and deterministic factors. *J Biogeogr* 37:2291-2304.
52. Tiple AD, Padwad SV, Dapporto L, Dennis RLH 2010. Male mate location behaviour and encounter sites in a community of tropical butterflies: taxonomic and site associations and distinctions. *J Biosciences* 35:629-646.[4]
53. Dapporto L, Schmitt T, Vila R, Scalercio S, Biermann H, Dincă V, Gayubo SF, González JA, Lo Cascio P, Dennis RLH 2011. Phylogenetic island disequilibrium: evidence for ongoing long-term population dynamics in two Mediterranean butterflies. *J Biogeogr* 38:854-867.
54. Dapporto L 2011. Predicting distribution of *Zygaena* moths on West Mediterranean islands. Implications for biogeography and conservation. *J Insect Conserv* 15:445-454.

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55. Dapporto L, Habel J-C, Dennis RLH, Schmitt T 2011. The biogeography of the western Mediterranean: elucidating contradictory distribution patterns of differentiation in *Maniola jurtina* (Lepidoptera, Nymphalidae) *Biol J Linn Soc*, 103:571-577.
56. Dapporto L, Petrocelli I, Turillazzi S. 2011 Incipient morphological castes in *Polistes gallicus* (Vespidae, Hymenoptera). *Zoomorphology* 130:197-201.
57. Baracchi D, Dapporto L, Turillazzi S. 2011 Relevance of wing morphology in distinguishing and classifying genera and species of Stenogastrinae wasps. *Contrib Zool* 80:191-199.
58. Dinca V, Dapporto L, Vila R 2011. Combined genetic-morphometric analysis unravels the complex biogeographic history of *P. icarus* and *P. celina* Common Blue butterflies. *Mol Ecol* 18:3921-3935.
59. Dennis RLH, Dapporto L, Fattorini S, Cook LM. 2011. The generalism-specialism debate: the part played by generalists in the life and death of species. *Biol J Linn Soc* 104:725-737.
60. Dennis RLH, Hardy PB, Dapporto L 2012. Nestedness in island faunas: novel insights into island biogeography through butterfly community profiles of colonization ability and migration capacity. *J Biogeogr* 39:1412-1426.
61. Dapporto L, Bruschini C, Dincă V, Vila R, Dennis RLH 2012. Identifying zones of phenetic compression in West Mediterranean butterflies refugia, invasion and hybridization. *Divers Distrib.* 18, 1066-1076.
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BOOK CHAPTERS

Dennis RLH, Dapporto L, Shreeve TG, John E, Coutsis JG, Kudrna O, Saarinen K, Ryrholm N, Williams WR 2008 Butterflies of European islands: the implications of the geography and ecology of rarity and endemism for conservation. in "Insect Conservation and islands" TR New ED. Springer.

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CONFERENCE ABSTRACTS ON JOURNALS

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Cavaliere, D., 2014. Social wasps are mating nests for yeasts. In EMBO Conference Series" Experimental Approaches to Evolution and Ecology using Yeast and Other Model Systems".

Palagi, E., Telara, S., Curreli, R., De Santi, L., Garbusi, P., Vaglio, S., Boscaro, F., Dapporto, L., Moneti, G. and Tarli, S.B., 2004, January. Ethological and chemical investigation of olfactory communication in *Lemur catta*: research proposal and preliminary reports. In *Folia Primatologica* 75: 403.

FUNDED PROJECTS

2014 PI of a Santander scholarship for barcoding of British butterflies (2,000 £).

2014. PI of "Il Barcoding delle Farfalle dell'Arcipelago Toscano" (Oxford Brookes University, UK; Università di Torino, Italy, Institut de Biologia Evolutiva, Spain) funded by the National Park of Tuscan Archipelago and Legambiente (8000 Euros).

2013 - 2014 PI of "Barcoding of the Italian butterflies". Funded by Academic units (Oxford Brookes University, UK; Università di Torino, Italy, Institut de Biologia Evolutiva, Spain) by the Italian agency for the environment Legambiente and by several local Parks (30,000 Euros).

2011 - 2013 Co-responsible for the Spanish Ministry project (equivalent to an Italian PRIN-COFIN). "Genetic comparison of faunas to infer large-scale biogeographic patterns: the colonization of the W-Mediterranean islands by butterflies" (193,600 Eur).

2010 - 2011 PI for the section on moths of the project "Definition of the conservation status of moths and terrestrial snails of the Tuscan Archipelago" (25,000 euros from Tuscany Government).

2008 - 2009 PI. of "A butterfly Sanctuary on Elba island" (15,000 Euros from ENEL and Legambiente).

INVITED PRESENTATIONS:

Invited talk Structure and complete phylogeography of butterflies from western circum-sicilian islands reveal biogeographic processes and selective loss of diversity. The 13th European Ecological Federation (EEF) and 25th Italian Society of Ecology's (S.It.E.) joint conference. Rome 21st - 25th September 2015.

Invited lecture at the International PhD Course "From Solitary To Superorganism: The Evolution Of Insect Societies" Impruneta, Florence, 1 - 6 November 2009.

Invited talk to the first student meeting of the Italian section of the IUSSI, March 2011

Invited talk with the title "Buone pratiche per la Biodiversità: Il Satuario delle Farfalle dell'Isola d'Elba" to the international meeting "Mediterr", Bari, Italy, January 2010

Invited talk "Like a play: early dominance assessment in *P. dominulus* gynes" to the international symposium "*Polistes* paper wasps: the emergence of a model genus". Talloires, France, April 2005.

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RESEARCH EXPEDITIONS:

I led an average of five research expeditions every year, mostly in the islands and in the mainland of Western Mediterranean for collection of butterflies. In most cases I worked alone and in other cases I led PhD and post-doc students and established researchers like in two trips to Tunisia (2009 and 2013, PhD students from Florence University and IBE), one trip on Eastern Alps (2013 students from IBE), one trip to Sicily and one trip to Sardinia-Corsica (one PhD student from IBE, a post-doc researcher from Guelph University and a researcher from IBE) and the six expeditions of the "butterfly week" (2014, PhD students, Post-doc and established researchers from Turin University, IBE, CRA (Italy) and Florence University).

PRIZES: Winner of the XIX Binaghi prize of the Italian Entomological Society.

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