

CURRICULUM VITAE



PERSONAL DETAILS

Name and Surname MIRKO DI FEBBRARO
Address
Telephone
E-mail
Nationality
Place and Date of birth

EDUCATION AND TRAINING: QUALIFICATIONS

Mar 2015	Ph.D. in "Management and Conservation Issues in Changing Landscapes". Thesis: "Human-induced effects on the distribution of species and communities of Vertebrates at different spatial scales". Thesis supervisor: Prof. Anna Loy. "University of Molise", Isernia – Department of Biosciences and Territory
Name and type of organization providing education and training	
Dec 2010	Post lauream Master in "Conservation of Animal Biodiversity", directed by Luigi Boitani. Thesis: "The arrival of the grey squirrel (<i>Sciurus carolinensis</i>) in Lazio: a case – study for an Early Warning system". "La Sapienza", University of Rome
Name and type of organization providing education and training	
Level	110/110 cum laude
Oct 2009	Master's Degree in Natural Sciences. Thesis: "Experimental research on the behavioural ecology of <i>Talpa</i> spp. in mountain habitats". Thesis supervisor: Prof. Gerardo Gustato. Thesis co - supervisor: Prof. Anna Loy. "Federico II", University of Naples
Name and type of organization providing education and training	
Level	110/110 cum laude
Dec 2007	Bachelor's Degree in Natural Sciences. Thesis: "Migrations and Orientation systems". Thesis supervisor: Prof. Gerardo Gustato. "Federico II", University of Naples
Name and type of organization providing education and training	
Level	110/110 cum laude
Jun 2002	High school diploma (classical studies) Liceo Classico "Vittorio Emanuele II", Naples.
Name and type of organization providing education and training	
Level	100/100

EDUCATION AND TRAINING: IMPROVING COURSES

Dec 2014

Research visiting at Department of Ecology and Evolution (DEE), University of Lausanne, 3rd May - 5th December

Name and type of organization providing education and training	University of Lausanne, Switzerland.
Feb 2014	Spring school of "Introduction of Linear Mixed Effects Models, GLMM and MCMC with R", 10th – 14th Feb
Name and type of organization providing education and training	Highland Statistics Ltd. - University of Lisbon, Portugal.
Oct 2012	Research visiting at Research Center in Biodiversity and Genetic Resources (CIBIO), 22th - 30th Oct
Name and type of organization providing education and training	Research Center in Biodiversity and Genetic Resources (CIBIO), Porto, Portugal.
Mar 2012	Spring school of "Habitat distribution models and their applications in ecology, evolutionary ecology and conservation", 12th – 16th Mar
Name and type of organization providing education and training	University of Grenoble, France.
Sep 2011	Summer school of "Advances in Species distribution modeling in ecological studies and conservation", 11th – 18th Sep
Name and type of organization providing education and training	University of Pavia, Italy; Alpine Wildlife Research Centre of the Gran Paradiso National Park
Jun 2011	Course of "Analysis of ecological data in R program", 6th – 8th June
Name and type of organization providing education and training	"Tor Vergata", University of Rome, Italy.
May 2011	Course of "Numerical methods for periodical data analysis", 12th – 13th and 26th – 27th May
Name and type of organization providing education and training	University of Molise, Isernia, Italy.
Apr 2011	Course of "Geospatial Analysis", 19th – 21th and 27th – 29th April
Name and type of organization providing education and training	"Tor Vergata", University of Rome, Italy.
EDUCATION AND TRAINING: CONFERENCES COMMUNICATIONS	
Aug 2013	11th International Mammological Congress, 11th – 16th August, Belfast (Northern Ireland). Di Febraro M. , Frate L., Roscioni F. & Loy A. Impact of three different forest management practices on <i>Nyctalus leisleri</i> 's distribution. (Oral communication).
Name and type of organization providing education and training	International federation of Mammologists – The Mammal Society – Queen's University
Jul 2011	6th European Congress of Mammology, 19th – 23th July, Paris (France). Di Febraro M. , Bertolino S., Paoloni D., Maiorano L. & Genovesi P. The potential spread of the grey squirrel (<i>Sciurus carolinensis</i>) in central Italy. A GIS – cost distance analysis. (Poster communication).
Name and type of organization providing education and training	Université P. et M. Curie – Muséum national d'Histoire naturelle
Dec 2010	2nd International Congress: "Problematic Wildlife – Conservation and Management", 3th – 5th February, Genazzano (RM), Italy. Di Febraro M. , Bertolino S., Girardello M., Lurz P. W. W., Maiorano L. & Genovesi, P. Ecological modelling approaches to the spread of the grey squirrel (<i>Sciurus carolinensis</i>) in Umbria: a case study for a risk assessment in Italy and Europe. (Poster communication)
Name and type of organization providing education and training	University of Tuscia, Viterbo, Italy; VentiVenti cultural association

**EDUCATION AND TRAINING:
CONFERENCES/WORKSHOPS VISITS**

Aug 2013

Name and type of organization providing education and training

11th International Mammological Congress, 11th – 16th August, Belfast (Northern Ireland)
International federation of Mammologists – The Mammal Society – Queen’s University

Jul 2011

Name and type of organization providing education and training

6th European Congress of Mammology, 19th – 23th July, Paris (France).
Université P. et M. Curie – Muséum national d’Histoire naturelle

May 2011

Name and type of organization providing education and training

Workshop: “Ecosystem services, from theory to practice”, 11th May
University of Molise, Isernia, Italy.

Mar 2011

Name and type of organization providing education and training

Workshop: “Elements of database theory for environmental science”, 2nd March
University of Molise, Isernia, Italy.

Dec 2010

Name and type of organization providing education and training

2nd International Congress: “Problematic Wildlife – Conservation and Management”, 3th – 5th February, Genazzano (RM), Italy.
University of Tuscia, Viterbo, Italy; VentiVenti cultural association

Dec 2010

Name and type of organization providing education and training

Cantieri della Biodiversità, 5th Workshop: “Biodiversity monitoring and evaluation of the Conservation status”, Siena, Italy, 9th – 10th December, 2010.
Provincia di Siena, Ispra, Federparchi.

Dec 2009

Name and type of organization providing education and training

Cantieri della Biodiversità, 4th Workshop: “Hybridization between wildlife and domestic fauna: a threat for Biodiversity”, Siena, Italy, 10th – 11th December, 2009.
Provincia di Siena, Ispra, Federparchi.

**PERSONAL SKILLS AND
COMPETENCES**

Mother tongue
Other language

ITALIAN		
ENGLISH		
Reading	Speaking	Writing
VERY GOOD	VERY GOOD	VERY GOOD
FRENCH		
Reading	Speaking	Writing
BASIC	GOOD	BASIC

LANGUAGE COURSES

31 Lug – 18 Aug 2006

Name and type of organization providing education and training

Upper Intermediate English course
London Skills Institute, London

INFORMATIC SKILLS

Operating Systems: Windows 95-98 2000 NT, XP, Vista, Seven; Mac OSx (excellent).

Productivity Software: Office Suite (very good); OpenOffice (very good); Adobe Acrobat (very good); Adobe Premier (basic); Adobe Photoshop (basic).

GIS Software: ArcGis suite (excellent); Q-GIS (excellent); SpatialEcology (very good); Idrisi Andes (good); DIVA Gis (good); GRASS (basic); Global Mapper (good); OziExplorer (good); Google Earth (very good).

Statistical/Modelling Software: R base (excellent), R packages: raster (excellent), sp (excellent), maptools (excellent), rgeos (excellent), dismo (excellent), biomod2 (excellent); NetLogo (good); STATISTICA (good); Repas (basic); SPSS (basic); Presence (good); GENPres (good); Monitor (good); RAMAS (basic).

Internet: Very good skill in searching information/resources on web (Internet Explorer, Mozilla FireFox, Google Chrome).

AWARDS AND GRANTS

Jul 2011

Best student poster presentation award. 6th European Congress of Mammology, 19th – 23th July, Paris (France). **Di Febraro M.**, Bertolino S., Paoloni D., Maiorano L. & Genovesi P. The potential spread of the grey squirrel (*Sciurus carolinensis*) in central Italy. A GIS – cost distance analysis.

RESEARCH AND FIELD WORK EXPERIENCE

Aug 2010

Field work for the project "Behavioural Ecology of underground mammals in the Abruzzo, Lazio and Molise National Park"

Name and address of organization

"University of Molise", Isernia. Dept S.T.A.T. I-86090 Pesche, Italy

May 2009

Five weeks trapping session of Small Mammals in Capracotta (Italy)

Oct 2008

Two weeks trapping session of Small Mammals in Capracotta (Italy)

PUBLICATIONS: PUBLISHED PAPERS

2016

Bosso L., Russo D., **Di Febraro M.**, Cristinzio G. & Zoina A. (2016) Potential distribution of *Xylella fastidiosa* in Italy: a maximum entropy model. *Phytopathologia Mediterranea* (online version). DOI: 10.14601/Phytopathol_Mediterr-16429.

2015

Innangi M., d'Alessandro F., Fioretto A. & **Di Febraro M.** (2015) Modelling soil carbon stock and distribution of Mediterranean beech forests under climate change scenarios. *Climate Research* 61(1): 25-36.

Frate L., Carranza M., Garfi V., **Di Febraro M.**, Tonti D., Marchetti M., Ottaviano M., Santopuoli G. & Chirici G. (2015) Spatially explicit estimation of forest age by integrating remotely sensed data and inverse yield modeling techniques. *iForest* (online version). DOI: 10.3832/ifer1529-008.

Di Febraro M., Roscioni F., Frate L., Carranza M., De Lisio L., De Rosa D., Marchetti M. & Loy A. (2015) Long-term effects of traditional and conservation-oriented forest management on the distribution of vertebrates in Mediterranean forests: a hierarchical hybrid modelling approach. *Diversity and Distributions* 21(10): 1141-1154. DOI: 10.1111/ddi.12362.

Ducci L., Agnelli P., **Di Febraro M.**, Frate L., Russo D., Loy A., Carranza M., 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. *Landscape Ecology* (online version). DOI: 10.1007/s10980-015-0237-x.

Mori E., Mazza G., Menchetti M., Panzeri M., Gager Y., Bertolino S. & **Di Febraro M.** (2015) The masked invader strikes again: the conquest of Italy by the Northern racoon. *Hystrix* 26(1): 47-51.

Russo D., **Di Febbraro M.**, Cistrone L., Jones G., Smeraldo S., Garonna A. P. & Bosso L. (2015) Protecting one, protecting both? Scale-dependent ecological differences in two species using dead trees, the rosalia longicorn beetle and the barbastelle bat. *Journal of Zoology* (online version). DOI:10.1111/jzo.12271.

Feuda R., Bannikova A. A., **Di Febbraro M.**, Loy A., Hutterer R., Aloise G., Annesi F. & Colangelo P. (2014) Divergent lineages and underground glacial refugia in the European common mole revealed by ecological niche modelling and mitochondrial phylogeography. *Biological Journal of the Linnean Society* 114: 495-512.

2014 Sbragia P., Sibilio G., Innangi M., **Di Febbraro M.**, Trifuoggi M., Guida M. & De Castro O. (2014) Rare species habitat suitability assessment and reliability evaluation of the model with limited data: a case study of an insectivorous plant, *Pinguicula crystallina* Sibth. et Smith subsp. *hirtiflora* (Ten.) Strid (Lentibulariaceae). *Plant Biosystems* (online version). DOI: 10.1080/11263504.2014.990940.

Russo D., **Di Febbraro M.**, Rebelo H., Mucedda M., Cistrone L., Agnelli P., Martinoli A., De Pasquale P., Spilinga C. & Bosso L. (2014) What story does geographic separation of insular bats tell? A case study on Sardinian rhinolophids. *PLoS ONE* 9(10): e110894.

Scorpio V., Loy A., **Di Febbraro M.**, Rizzo A. & Aucelli P. (2014) Hydromorphology meets mammal ecology: river morphological quality, recent channel adjustments and otter resilience. *River Research and Applications* (online version). DOI: 10.1002/rra.2848.

Di Febbraro M. & Loy A. (2014) A new method based on indirect evidences to infer activity pattern in moles. A test on the blind mole in Central Apennines. *Folia Zoologica* 63(2): 116-121.

Roscioni F., Rebelo H., Russo D., Carranza M.L., **Di Febbraro M.** & Loy A. (2014) A modelling approach to infer the effects of wind farms on landscape connectivity for bats. *Landscape Ecology* 29(5): 891-903.

Di Febbraro M. & Mori E. (2014) Potential distribution of feral parakeets in Tuscany (Central Italy): a bioclimatic model approach. *Ethology, Ecology & Evolution* 27(2): 116-128.

2013 Mori E., Sforzi A. & **Di Febbraro M.** (2013) From the Apennine to the Alps: recent range expansion of the crested porcupine *Hystrix cristata* in Italy. *Italian Journal of Zoology* 80(4): 469-480.

Di Febbraro M., Lurz P. W. W., Genovesi P., Maiorano L., Girardello M. & Bertolino S. (2013) The use of climatic niches in screening procedures for introduced species to evaluate risk of spread: a case with the American Eastern grey squirrel. *PLoS ONE* 8(7): e66559.

Roscioni F., Russo D., **Di Febbraro M.**, Frate L., Carranza M. L. & Loy A. (2013) Regional-scale modelling of the cumulative impact of wind farms on bats. *Biodiversity and Conservation* 22(8): 1821-1835.

Mori E., **Di Febbraro M.**, Foresta M., Melis P., Romanazzi E., Notari A. & Boggiano F. (2013) Assessment of the current distribution of free-living parrots and parakeets (Aves, Psittaciformes) in Italy: a synthesis of published data and new records. *Italian Journal of Zoology* (80)2: 158-167.

PUBLICATIONS:
CONFERENCE ABSTRACTS
2013

Di Febbraro M., Frate L., Roscioni F. & Loy A. Impact of three different forest management practices on *Nyctalus leisleri*'s distribution. Abstract of 11th International Mammological Congress (11th – 16th August), Belfast, Northern Ireland.

Roscioni F., Rebelo H., Russo D., **Di Febbraro M.**, Carranza M. L. & Loy A. Barrier Effect: Is Connectivity Affected by Wind Farms? *Nyctalus leisleri* as a Case Study. Abstract of 16th International Bat Research Conference (11th – 15th August), San José, Costa Rica.

Roscioni F., Russo D., **Di Febbraro M.** & Loy A. The cumulative impact of wind farms on bats: a regional landscape approach. Abstract of the 1st Conference on Wind power and Environmental impacts (5th - 7th February 2013), Stocholm, Sweden.

2012

Mori E., Menchetti M. & **Di Febbraro M.** Alieni in Toscana: primi dati di presenza dello Scoiattolo grigio (*Sciurus carolinensis*) in provincia di Arezzo. Abstract of the 73rd Congress of Italian Zoological Union (UZI) (24th - 27th September 2012), Florence, Italy.

Roscioni F., Russo D., **Di Febbraro M.** & Loy, A. The cumulative impact of wind farms on two bat species, *N. leisleri* and *P. pipistrellus*: a regional landscape approach. Abstract of the 3rd European Congress of Conservation Biology (28th August - 1st September 2012), Glasgow, Scotland.

Loy A., Colangelo P. & **Di Febbraro M.** Interspecific dynamics, habitat modelling and conservation. The paradigmatic Italian moles (genus *Talpa*, Mammalia). Abstract of the 8th Italian Congress of Theriology (9th – 11th May 2012), Piacenza, Italy.

2011

Di Febbraro M., Bertolino S., Paoloni D., Maiorano L. & Genovesi P. The potential spread of the grey squirrel (*Sciurus carolinensis*) in central Italy. A GIS – cost distance analysis. Abstract of the 6th European Congress of Mammalogy (19th – 23th July 2011), Paris, France.

Roscioni F., Russo D., **Di Febbraro M.** & Loy A. Bat fatalities at wind farms. A regional – scale approach. Abstract of the 6th European Congress of Mammalogy (19th – 23th July 2011), Paris, France.

Loy A., Colangelo P., **Di Febbraro M.**, Piras P., Sansalone G. & Kotsakis T. New advances in the origin and evolution of European moles. Evidences from the Italian fauna. Abstract of the 6th European Congress of Mammalogy (19th – 23th July 2011), Paris, France.

Di Febbraro M., Bertolino S., Girardello M., Lurz P. W. W., Maiorano L. & Genovesi, P. Ecological modelling approaches to the spread of the grey squirrel (*Sciurus carolinensis*) in Umbria: a case study for a risk assessment in Italy and Europe. Abstract of the 2nd International Congress on Problematic Wildlife: Conservation and Management (3rd - 5th February 2011), Genazzano, Rome, Italy.

Roscioni F., Russo D., **Di Febbraro M.** & Loy, A. Habitat modelling and bat fatalities at wind farms. Abstract of the 2nd International Congress on Problematic Wildlife: Conservation and Management (3rd - 5th February 2011), Genazzano, Rome, Italy.

I authorise the use of my personal data in compliance with Legislative Decree 196/03

Signature

11/01/2016

Mirko Di Febbraro

