

## CURRICULUM VITAE



### PERSONAL DETAILS

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

### EDUCATION AND TRAINING: QUALIFICATIONS

<b>Mar 2015</b>  Name and type of organization providing education and training   <b>Dec 2010</b>  Name and type of organization providing education and training  Level	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  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  110/110 cum laude
<b>Oct 2009</b>  Name and type of organization providing education and training  Level	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  110/110 cum laude
<b>Dec 2007</b>  Name and type of organization providing education and training  Level	Bachelor's Degree in Natural Sciences. Thesis: "Migrations and Orientation systems". Thesis supervisor: Prof. Gerardo Gustato. "Federico II", University of Naples  110/110 cum laude
<b>Jun 2002</b>  Name and type of organization providing education and training  Level	High school diploma (classical studies) Liceo Classico "Vittorio Emanuele II", Naples.  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.
<b>Feb 2014</b>	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.
<b>Oct 2012</b>	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.
<b>Mar 2012</b>	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.
<b>Sep 2011</b>	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
<b>Jun 2011</b>	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.
<b>May 2011</b>	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.
<b>Apr 2011</b>	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.
<b>EDUCATION AND TRAINING:</b>	
<b>CONFERENCES COMMUNICATIONS</b>	
<b>Aug 2013</b>	11th International Mammological Congress, 11th – 16th August, Belfast (Northern Ireland). <b>Di Febbraro M.</b> , 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
<b>Jul 2011</b>	6th European Congress of Mammology, 19th – 23th July, Paris (France). <b>Di Febbraro M.</b> , 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
<b>Dec 2010</b>	2nd International Congress: "Problematic Wildlife – Conservation and Management", 3th – 5th February, Genazzano (RM), Italy. <b>Di Febbraro M.</b> , 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; VentìVenti 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**

VERY GOOD

**Speaking**

VERY GOOD

**Writing**

VERY GOOD

FRENCH

**Reading**

BASIC

**Speaking**

GOOD

**Writing**

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).



	<p><b>Productivity Software:</b> Office Suite (very good); OpenOffice (very good); Adobe Acrobat (very good); Adobe Premier (basic); Adobe Photoshop (basic).</p> <p><b>GIS Software:</b> 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).</p> <p><b>Statistical/Modelling Software:</b> 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).</p> <p><b>Internet:</b> Very good skill in searching information/resources on web (Internet Explorer, Mozilla FireFox, Google Chrome).</p>
<b>AWARDS AND GRANTS</b>	
<b>Jul 2011</b>	Best student poster presentation award. 6th European Congress of Mammalogy, 19th – 23th July, Paris (France). <b>Di Febbraro M.</b> , 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.
<b>RESEARCH AND FIELD WORK EXPERIENCE</b>	
<b>Aug 2010</b>	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
<b>May 2009</b>	Five weeks trapping session of Small Mammals in Capracotta (Italy)
<b>Oct 2008</b>	Two weeks trapping session of Small Mammals in Capracotta (Italy)
<b>PUBLICATIONS: PUBLISHED PAPERS</b>	
<b>2016</b>	Bosso L., Russo D., <b>Di Febbraro M.</b> , Cristinzio G. & Zoina A. (2016) Potential distribution of <i>Xylella fastidiosa</i> in Italy: a maximum entropy model. <i>Phytopathologia Mediterranea</i> (online version). DOI: 10.14601/Phytopathol_Mediterr-16429.
<b>2015</b>	<p>Innangi M., d'Alessandro F., Fioretto A. &amp; <b>Di Febbraro M.</b> (2015) Modelling soil carbon stock and distribution of Mediterranean beech forests under climate change scenarios. <i>Climate Research</i> 61(1): 25-36.</p> <p>Frate L., Carranza M., Garfi V., <b>Di Febbraro M.</b>, Tonti D., Marchetti M., Ottaviano M., Santopuoli G. &amp; Chirici G. (2015) Spatially explicit estimation of forest age by integrating remotely sensed data and inverse yield modeling techniques. <i>iForest</i> (online version). DOI: 10.3832/for1529-008.</p> <p><b>Di Febbraro M.</b>, Roscioni F., Frate L., Carranza M., De Lisio L., De Rosa D., Marchetti M. &amp; 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. <i>Diversity and Distributions</i> 21(10): 1141-1154. DOI: 10.1111/ddi.12362.</p> <p>Ducci L., Agnelli P., <b>Di Febbraro M.</b>, Frate L., Russo D., Loy A., Carranza M., Santini G. &amp; 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> (online version). DOI: 10.1007/s10980-015-0237-x.</p> <p>Mori E., Mazza G., Menchetti M., Panzeri M., Gager Y., Bertolino S. &amp; <b>Di Febbraro M.</b> (2015) The masked invader strikes again: the conquest of Italy by the Northern racoon. <i>Hystrix</i> 26(1): 47-51.</p>

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:**  
**CONFERENCES 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

Mirko Di Febbraro

11/01/2016

