

# CURRICULUM VITAE



## PERSONAL DETAILS

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

MIRKO DI FEBBRARO

~~PIZZA G. V. 00137, NAPLES (Italy)~~

~~0206070245~~

~~mirko.di.febbraro@gmail.com~~

Italian

~~Italy (Napoli) 01/12/1983~~

## WEB PAGES

Scopus  
  
Google Scholar  
  
ResearchGate

~~http://www.scopus.com/authid/detail.url?authid=55662000000~~

~~http://scholar.google.com/citations?user=PmWODQAAAAAJ&hl=it~~

~~http://www.researchgate.net/profile/Mirko\_Di\_Febbraro~~

## QUALIFICATIONS

**2019**  
Name and type of organization  
providing education and training

PostDoc Position

"University of Molise", Isernia – Department of Biosciences and Territory

**2018**  
Name and type of organization  
providing education and training

PostDoc Position

"University of Molise", Isernia – Department of Biosciences and Territory

Name and type of organization  
providing education and training

Habilitation as Associate Professor in 05/B1 (Zoology and Anthropology)  
Ministry of Education (MIUR)

**2017**  
Name and type of organization  
providing education and training

PostDoc Position

"University of Molise", Isernia – Department of Biosciences and Territory

**2015**  
Name and type of organization  
providing education and training

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

**2010**  
Name and type of organization  
providing education and training

Post lauream Master in "Conservation of Animal Biodiversity", directed by Luigi Boitani. Thesis: "The arrival of the grey squirrel (*Sciurus carolinensis*) in Lazio: a case – study for an Early Warning system".

"La Sapienza", University of Rome

Level	110/110 cum laude
<b>2009</b>	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.
Name and type of organization providing education and training	"Federico II", University of Naples
Level	110/110 cum laude
<b>PROFESSIONAL EXPERIENCE</b>	
<b>2018</b>	Employment as GIS Expert within the "Alien Species National Database" agreement between Italian National Institute for Environmental Protection and Research (ISPRA) and "Associazione Teriologica Italiana" (ATIt).
Name and type of organization providing education and training	"Associazione Teriologica Italiana" (ATIt), Onlus.
<b>TEACHING AND STUDENT SUPERVISION</b>	
<b>2019</b>	Teacher for the "Animal Ecology" class, Bachelor's degree level, 44h.
Name and type of organization providing education and training	University of Molise, Italy.
	Teacher for the "Introduction to the R software" class, PhD level, 16h.
Name and type of organization providing education and training	University of Molise, Italy.
	Teaching assistant in Zoology and Comparative Anatomy classes, >100 h
Name and type of organization providing education and training	University of Molise, Italy.
<b>2018</b>	Teacher for the "GIS tools for wildlife management and conservation" class, Master's degree level, 16h.
Name and type of organization providing education and training	University of Molise, Italy.
<b>2017</b>	Teacher for the "Introduction to the R software" class, PhD level, 16h.
Name and type of organization providing education and training	University of Molise, Italy.
	Teacher for the "Introduction to the R software" class, PhD level, 16h.
Name and type of organization providing education and training	University of Molise, Italy.
	Teaching assistant in Zoology and Comparative Anatomy classes, >100 h
Name and type of organization providing education and training	University of Molise, Italy.
<b>2016</b>	Teacher for the "Biological sciences for landscape and forest management" class, Master's degree level, 48h
Name and type of organization providing education and training	University of Tuscia, Italy – University of Molise, Italy.
	Teaching assistant in Zoology and Comparative Anatomy, >100 h

Name and type of organization providing education and training	University of Molise, Italy.
<b>2014</b>	Teaching assistant for Animal Ecology practical classes, Master's degree level (GIS and ecological modelling), >20 h.
Name and type of organization providing education and training	University of Molise, Italy.
<b>IMPROVING COURSES</b>	
<b>2014</b>	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.
	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>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.
	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>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
	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.
	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.
	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>CONFERENCE COMMUNICATIONS</b>	
<b>2013</b>	11th International Mammalogical Congress, 11th – 16th August, Belfast (Northern Ireland). Di Febbraro 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 Mammalogists – The Mammal Society – Queen's University



2011	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. (Poster communication). Université P. et M. Curie – Muséum national d'Histoire naturelle
Name and type of organization providing education and training	
2010	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; VentiVenti cultural association

## PERSONAL SKILLS AND COMPETENCES

Mother tongue

Other language

ITALIAN		
ENGLISH		
<b>Reading</b>	<b>Speaking</b>	<b>Writing</b>
VERY GOOD	VERY GOOD	VERY GOOD
FRENCH		
<b>Reading</b>	<b>Speaking</b>	<b>Writing</b>
BASIC	GOOD	BASIC

## LANGUAGE COURSES

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

2011

Best poster-presentation award. 6th European Congress of Mammalogy, 19th – 23th July, Paris (France). **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.

## RESEARCH AND FIELD WORK EXPERIENCE

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
2009	Five weeks trapping session of Small Mammals in Capracotta (Italy)
2008	Two weeks trapping session of Small Mammals in Capracotta (Italy)

## PEER-REVIEW AND EDITORIAL ACTIVITY

**Editorial activity** Associate Editor for: PLoS ONE, Frontiers in Ecology and Evolution (Conservation), Frontiers in Ecology and Evolution (Paleoecology), Frontiers in Environmental Science (Conservation)

**Peer-review activity** Referee for: Biological Conservation, Global Change Biology, Acta Oecologica, Frontiers in Ecology and Evolution, Journal of Environmental Management, Agricultural Systems, Frontiers in Plant Science, Applied Geography, Frontiers in Marine Science, Acta Chiropterologica, Hystrix, Biological Invasions, Ethology Ecology and Evolution, Italian Journal of Zoology, Mammalian Biology - Zeitschrift fur Saugetierkunde, PLoS ONE.

## BIBLIOMETRIC INDICATORS

Scopus	51 papers; 494 citations; <i>h</i> -index 15
Google Scholar	51 papers; 654 citations; <i>h</i> -index 17
ResearchGate	51 papers; 568 citations; <i>h</i> -index 15; RG score 32.65 (>90.0% of ResearchGate members)

## PUBLICATIONS

\* these authors contributed equally

# corresponding author

- 2019 Castiglione, S., Serio, C., Mondanaro, A., **Febbraro, M.** Di, Profico, A., Girardi, G., & Raia, P. (2019) Simultaneous detection of macroevolutionary patterns in phenotypic means and rate of change with and within phylogenetic trees including extinct species. *PLoS ONE*, **14**, e0210101.
- Ducci, L., Roscioni, F., Carranza, M.L., Agnelli, P., Russo, D., Frate, L., Loy, A., Santini, G., & **Febbraro, M.** (2019) The role of protected areas in preserving habitat and functional connectivity for mobile flying vertebrates: the common noctule bat (*Nyctalus noctula*) in Tuscany (Italy) as a case study. *Biodiversity and Conservation*, **28**, 1569–1592.
- Fabrizio, M., **Di Febbraro, M.\***, D'Amico, M., Frate, L., Roscioni, F., & Loy, A. (2019) Habitat suitability vs landscape connectivity determining roadkill risk at a regional scale: a case study on European badger (*Meles meles*). *European Journal of Wildlife Research*, **65**, online ver.
- Di Febbraro, M.\***, Menchetti, M.\*, Russo, D., Ancillotto, L., Aloise, G., Roscioni, F., Preatoni, D.G., Loy, A., Martinoli, A., Bertolino, S., & Mori, E. (2019) Integrating climate and land-use change scenarios in modelling the future spread of invasive squirrels in Italy. *Diversity and Distributions*, **25**, 644–659.
- Mondanaro, A., **Di Febbraro, M.**, Melchionna, M., Carotenuto, F., Castiglione, S., Serio, C., Danisi, S., Rook, L., Diniz-Filho, J.A.F., & Raia, P. (2019) Additive effects of climate change and human hunting explain population decline and extinction in cave bears. *Boreas*, **online ver**, 1–11.



Tognetti, R., Lasserre, B., **Di Febbraro, M.**, & Marchetti M. (2019) Modeling regional drought-stress indices for beech forests in Mediterranean mountains based on tree-ring data. *Forest and Agricultural Meteorology*, 265, 110-120.

Parisi, F., **Di Febbraro, M.**, Lombardi, F., Biscaccianti, A. B., Campanaro, A., Tognetti, R., & Marchetti, M. (2019) Relationships between stand structural attributes and saproxylic beetle abundance in a Mediterranean broadleaved mixed forest. *Forest Ecology and Management*, 432, 957-966.

De Rosa, D. \*, **Di Febbraro, M.**\*, De Lisio, L., De Sanctis, A., & Loy, A. (2019) The decline of the lanner falcon in Mediterranean landscapes: competition displacement or habitat loss? *Animal Conservation*, 22(1), 24–34.

2018

**Di Febbraro, M.**, D'Amen, M., Raia, P., De Rosa, D., Loy, A., & Guisan A. (2018) Using macroecological constraints on spatial biodiversity predictions under climate change: the modelling method matters. *Ecological Modelling*, 390, 79-87.

Paniccia, C. \*, **Di Febbraro, M.**\*, Frate, L., Sallustio, L., Santopuoli, G., Altea, T., Posillico, M., Marchetti, M., & Loy, A. (2018) Effect of imperfect detection on the estimation of niche overlap between two forest dormice. *iForest - Biogeosciences and Forestry*, 11, 482–490.

Paniccia, C., Di Febbraro, M., Delucchi, L., Oliveto, R., Marchetti, M., & Loy, A. (2018) Open MICE: an open spatial and temporal dataset of small mammals in South-Central Italy based on owl pellet data. *Ecology*, 99, 2874–2874.

**Di Febbraro, M.**, Sallustio, L., Vizzarri, M., De Rosa, D., De Lisio, L., Loy, A., Eichelberger, B.A., & Marchetti, M. (2018) Expert-based and correlative models to map habitat quality: Which gives better support to conservation planning? *Global Ecology and Conservation*, 16, e00513.

Carotenuto F. \*, **Di Febbraro M.**\*, Melchionna M., Mondanaro A., Castiglione S., Serio C., Rook L., Loy A., Lima-Ribeiro M.S., Diniz-Filho J.A.F., & Raia P. (2018) The well-behaved killer: Late Pleistocene humans in Eurasia were significantly associated with living megafauna only. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 500, 24–32.

Castiglione S., Tesone G., Piccolo M., Melchionna M., Mondanaro A., Serio C., **Di Febbraro M.**, & Raia P. (2018) A new method for testing evolutionary rate variation and shifts in phenotypic evolution. *Methods in Ecology and Evolution*, 9, 974–983.

Melchionna M., **Di Febbraro M.**, Carotenuto F., Rook L., Mondanaro A., Castiglione S., Serio C., Vero V.A., Tesone G., Piccolo M., Diniz-Filho J.A.F., & Raia P. (2018) Fragmentation of Neanderthals' pre-extinction distribution by climate change. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 496, 146–154.

Mezzasalma M. \*, **Di Febbraro M.**\*, Guarino F.M., Odierna G., & Russo D. (2018) Cold-blooded in the Ice Age: "refugia within refugia", inter-and intraspecific biogeographic diversification of European whipsnakes (Squamata, Colubridae, Hierophis ). *Zoology*, 127, 84–94.

Raia P., Boggioni M., Carotenuto F., Castiglione S., **Di Febbraro M.**, Melchionna M., Mondanaro A., Papini A., Profico A., Serio C., Veneziano A., Vero V.A., Rook L., Meloro C., & Manzi G. (2018) Unexpectedly rapid evolution of mandibular shape in hominins. *Scientific reports*, 8, 1–8.

Smeraldo S., **Di Febbraro M.**, Bosso L., Flaquer C., Guixé D., Lisón F., Meschede A., Juste J., Prüger J., Puig-Montserrat X., & Russo D. (2018) Ignoring seasonal changes in the ecological niche of non-migratory species may lead to biases in potential distribution models: lessons from bats. *Biodiversity and Conservation*, 27, 2425–2441.

2017

Castiglione S., Mondanaro A., Melchionna M., Serio C., **Di Febbraro M.**, Carotenuto F., & Raia P. (2017) Diversification Rates and the Evolution of Species Range Size Frequency Distribution. *Frontiers in Ecology and Evolution*, 5, 1–10.

**Di Febbraro M.\***, Carotenuto F.\*, Castiglione S., Russo D., Loy A., Maiorano L., & Raia P. (2017) Does the jack of all trades fare best? Survival and niche width in Late Pleistocene megafauna. *Journal of Biogeography*, 44, 2828–2838.

Loy A., Cassini M.H., Colangelo P., & **Di Febbraro M.** (2017) Distribution, spatial interaction and niche analysis in three species of European moles (genus *Talpa*, Soricomorpha: Mammalia) in Italy. *Biological Journal of the Linnean Society*, 122, 872–882.

Mondanaro A., Castiglione S., Melchionna M., **Di Febbraro M.**, Vitagliano G., Serio C., Vero V.A., Carotenuto F., & Raia P. (2017) Living with the elephant in the room: Top-down control in Eurasian large mammal diversity over the last 22 million years. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 485, 956–962.

Sallustio L., Toni A. De, Strollo A., **Di Febbraro M.**, Gissi E., Vizzarri M., Casella L., Geneletti D., Munafò M., & Marchetti M. (2017) Assessing habitat quality in relation to the spatial distribution of protected areas in Italy. *Journal of Environmental Management*, 201, 129–137.

Smeraldo S.\*, **Di Febbraro M.\***, Ćirović D., Bosso L., Trbojević I., & Russo D. (2017) Species distribution models as a tool to predict range expansion after reintroduction: A case study on Eurasian beavers (*Castor fiber*). *Journal for Nature Conservation*, 37, 12–20.

2016

Bosso L., **Di Febbraro M.**, Cristinzio G., Zoina A., & Russo D. (2016a) Shedding light on the effects of climate change on the potential distribution of *Xylella fastidiosa* in the Mediterranean basin. *Biological Invasions*, 18, 1759–1768.

Bosso L., Russo D., **Di Febbraro M.**, Cristinzio G., & Zoina A. (2016b) Potential distribution of *Xylella fastidiosa* in Italy: a maximum entropy model. *Phytopathologia Mediterranea*, 55, 62–72.

Carotenuto F., **Di Febbraro M.**, Melchionna M., Castiglione S., Saggese F., Serio C., Mondanaro A., Passaro F., Loy A., & Raia P. (2016) The influence of climate on species distribution over time and space during the late Quaternary. *Quaternary Science Reviews*, 149, 188–199.

De Castro O., Di Maio A., **Di Febbraro M.**, Imparato G., Innangi M., Vela E., Menale B., Vela E., & Menale B. (2016) A multi-faceted approach to analyse the effects of environmental variables on geographic range and genetic structure of a perennial psammophilous geophyte: The case of the sea daffodil *pancratium maritimum* L. in the mediterranean basin. *PLoS ONE*, 11, 1–23.

**Di Febbraro M.#**, Martinoli A., Russo D., Preatoni D., & Bertolino S. (2016) Modelling the effects of climate change on the risk of invasion by alien squirrels. *Hystrix*, online ver, 1–8.

Foresta M., Carranza M.L., Garfi V., **Di Febbraro M.**, Marchetti M., & Loy A. (2016) A systematic conservation planning approach to fire risk management in Natura 2000 sites. *Journal of Environmental Management*, 181, 574–581.

Frate L., Carranza M.L., Garfi V., **Di Febbraro M.**, Tonti D., Marchetti M., Ottaviano M., Santopuoli G., & Chirici G. (2016) Spatially explicit estimation of forest age by integrating remotely sensed data and inverse yield modeling techniques. *iForest*, 9, 63–71.

Razgour O., Rebelo H., **Di Febbraro M.**, & Russo D. (2016) Painting maps with bats: species distribution modelling in bat research and conservation. *Hystrix*, online ver, 1–8.

De Rosa D., Andriuzzi W., & **Di Febbraro M.** (2016) Breeding habitat selection of the Black Woodpecker *Dryocopus martius* L. in Mediterranean forests. *Avocetta*, 40, 62–69.

Sbragia P., Sibilio G., Innangi M., **Di Febbraro M.**, Trifuoggi M., Guida M., & De Castro O. (2016) Rare species habitat suitability assessment and reliability evaluation of an expert-based model: a case study of the insectivorous plant *Pinguicula crystallina* Sibth. & Smith subsp. *hirtiflora* (Ten.) Strid (Lentibulariaceae). *Plant Biosystems*, 150, 730–740.

Scorpio V., Loy A., **Di Febbraro M.**, Rizzo A., & Aucelli P. (2016) Hydromorphology meets



- mammal ecology: river morphological quality, recent channel adjustments and otter resilience. *River Research and Applications*, 32, 267–279.
- 2015** 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. *Landscape Ecology*, 30, 2047–2159.
- Di Febbraro M.** & Mori E. (2015) Potential distribution of alien parakeets in Tuscany (Central Italy): a bioclimatic model approach. *Ethology Ecology & Evolution*, 27, 116–128.
- Di Febbraro M.**, Roscioni F., Frate L., Carranza M.L., 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, 1141–1154.
- Feuda R., Bannikova A.A., Zemlemerova E.D., **Di Febbraro M.**, Loy A., Hutterer R., Aloise G., Zykov A.E., Annesi F., & Colangelo P. (2015) Tracing the evolutionary history of the mole, *Talpa europaea*, through mitochondrial DNA phylogeography and species distribution modelling. *Biological Journal of the Linnean Society*, 114, 495–512.
- Innangi M., D'Alessandro F., Fioretto A., & **Di Febbraro M.** (2015) Modeling distribution of Mediterranean beech forests and soil carbon stock under climate change scenarios. *Climate Research*, 66, 25–36.
- Mori E., Mazza G., Marchetti M., Panzeri M., Gager Y., Bertolino S., & **Di Febbraro M.** (2015) The masked invader strikes again : the conquest of Italy by the Northern raccoon. *Hystrix*, 26, 47–51.
- Russo D., **Di Febbraro M.**, Cistrone L., Jones G., Smeraldo S., Garonna A.P.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*, 297, 165–175.
- 2014** **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, 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, 891–903.
- Russo D., **Di Febbraro M.**, Rebelo H., Mucedda M., Cistrone L., Agnelli P., De Pasquale P.P., Martinoli A., Scaravelli D., Spilinga C., & Bosso L. (2014) What story does geographic separation of insular bats tell? A case study on Sardinian Rhinolophids. *PloSONE*, 9, e110894.
- 2013** **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. *PloSONE*, 8, e66559.
- Mori E., **Di Febbraro M.**, Foresta M., Melis P., Romanazzi E., Notari A., & Boggiano F. (2013a) 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, 158–167.
- Mori E., Sforzi A., & **Di Febbraro M.** (2013b) From the Apennines to the Alps: recent range expansion of the crested porcupine *Hystrix cristata* L., 1758 (Mammalia: Rodentia: Hystricidae) in Italy. *Italian Journal of Zoology*, 80, 469–480.
- 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, 1821–1835.



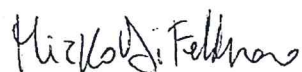
I authorise the use of my personal data in compliance with Legislative Decree 196/03

Date

6/6/2019

Signature

Mirko Di Febbraro

A handwritten signature in black ink, appearing to read 'Mirko Di Febbraro', written in a cursive style.

