CURRICULUM VITAE



PERSONAL DETAILS

Name and Surname	MIRKO DI FEBBRARO
Nationality	Italian

QUALIFICATIONS

May 2018	PostDoc Position
Name and type of organization providing education and training	"University of Molise", Isernia – Department of Biosciences and Territory
Apr 2018	Habilitation as Associate Professor in 05/B1 (Zoology and Anthropology)
Name and type of organization providing education and training	Ministry of Education (MIUR)
Feb 2018	PostDoc Position
Name and type of organization providing education and training	"University of Molise", Isernia – Department of Biosciences and Territory
Feb 2017	PostDoc Position
Name and type of organization providing education and training	"University of Molise", Isernia – Department of Biosciences and Territory
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.
Name and type of organization providing education and training	"University of Molise", Isernia – Department of Biosciences and Territory
Dec 2010	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".
Name and type of organization providing education and training	"La Sapienza", University of Rome
Level	110/110 cum laude
Oct 2009	Master's Degree in Natural Sciences. Thesis: "Experimental research on the behavioural ecology of Talpa 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

PROFESSIONAL EXPERIENCE

Sep 2017	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). Starting date: 1st of February 2018.
Name and type of organization providing education and training	"Associazione Teriologica Italiana" (ATIt), Onlus.

TEACHING AND STUDENT SUPERVISION

Nov 2017 Name and type of organization providing education and training	Teacher for the “Introduction to the R software” class, PhD level, 16h. University of Molise, Italy.
Mar 2017 Name and type of organization providing education and training	Teacher for the “Introduction to the R software” class, PhD level, 16h. University of Molise, Italy.
Name and type of organization providing education and training	Teaching assistant in Animal Ecology, Zoology and Comparative Anatomy, >100 h University of Molise, Italy.
Jun 2016 Name and type of organization providing education and training	Adjunct teacher for the “Biological sciences for landscape and forest management” class, master level, 48h University of Tuscia, Italy – University of Molise, Italy.
Name and type of organization providing education and training	Teaching assistant in Animal Ecology, Zoology and Comparative Anatomy, >100 h University of Molise, Italy.
Jun 2014 Name and type of organization providing education and training	Teaching assistant for Animal Ecology practical classes, master level (GIS and ecological modelling), >20 h University of Molise, Italy.

IMPROVING COURSES

Dec 2014 Name and type of organization providing education and training	Research visiting at Department of Ecology and Evolution (DEE), University of Lausanne, 3rd May - 5th December University of Lausanne, Switzerland.
Feb 2014 Name and type of organization providing education and training	Spring school of “Introduction of Linear Mixed Effects Models, GLMM and MCMC with R”, 10th – 14th Feb Highland Statistics Ltd. - University of Lisbon, Portugal.
Oct 2012 Name and type of organization providing education and training	Research visiting at Research Center in Biodiversity and Genetic Resources (CIBIO), 22th - 30th Oct Research Center in Biodiversity and Genetic Resources (CIBIO), Porto, Portugal.
Mar 2012 Name and type of organization providing education and training	Spring school of "Habitat distribution models and their applications in ecology, evolutionary ecology and conservation", 12th – 16th Mar University of Grenoble, France.
Sep 2011 Name and type of organization providing education and training	Summer school of “Advances in Species distribution modeling in ecological studies and conservation”, 11th – 18th Sep University of Pavia, Italy; Alpine Wildlife Research Centre of the Gran Paradiso National Park

Jun 2011 Name and type of organization providing education and training	Course of “Analysis of ecological data in R program”, 6th – 8th June “Tor Vergata”, University of Rome, Italy.
May 2011 Name and type of organization providing education and training	Course of “Numerical methods for periodical data analysis”, 12th – 13th and 26th – 27th May University of Molise, Isernia, Italy.
Apr 2011 Name and type of organization providing education and training	Course of “Geospatial Analysis”, 19th – 21th and 27th – 29th April “Tor Vergata”, University of Rome, Italy.

CONFERENCE COMMUNICATIONS

Aug 2013

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 Nyctalus leisleri's distribution. (Oral communication).

Name and type of organization providing education and training

International federation of Mammalogists – The Mammal Society – Queen's University

Jul 2011

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. (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 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. (Poster comunication)

Name and type of organization providing education and training

University of Tuscia, Viterbo, Italy; VentiVenti cultural association

PERSONAL SKILLS AND COMPETENCES

Mother tongue

ITALIAN

Other language

ENGLISH

Reading	*Speaking*	*Writing*
VERY GOOD	VERY GOOD	VERY GOOD

FRENCH

Reading	*Speaking*	*Writing*
BASIC	BASIC	BASIC

LANGUAGE COURSES

31 Lug – 18 Aug 2006

Upper Intermediate English course

Name and type of organization providing education and training

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 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

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

2018

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, online ver, 1–9.

2017

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

Castiglione S., Tesone G., Piccolo M., Melchionna M., Mondanaro A., Serio C., **Di Febbraro M**., & Raia P. (2017b) A new method for testing evolutionary rate variation and shifts in phenotypic evolution. Methods in Ecology and Evolution, 2018, 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., Véla 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., Garfì 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., Garfì 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.

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.

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**., D'Alessandro F., Fioretto A., **Di Febbraro 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.

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.

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. PloS One, 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. PloS One, 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.

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, 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.

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

Signature

Mirko Di Febbraro

23/04/2018

