

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name **MAZZOLENI STEFANO**

Work Address DEPARTMENT OF AGRICULTURAL SCIENCES, VIA UNIVERSITÀ 100, 80055, PORTICI (NA), ITALY

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Nationality Italian

WORK EXPERIENCE

• Occupation or position held

1998-present Full professor of Applied and Environmental Botany, University of Napoli Federico II

2011-present Director of the Museum Center "Musei delle Scienze Agrarie - MUSA", University of Napoli Federico II

2008-2011 Head of "Forestry and Environmental Sciences" studies - Faculty of Agriculture, University of Napoli Federico II

2010-2011 Director of Dept. of "Arboriculture, Botany and Plant Pathology"

1998-2000 Coordinator of Doctoral degree in "Arboriculture"

1995-1998 Associate professor of Plant Ecology, University of Napoli Federico II

1992-1995 Associate professor of Applied and Sistematic Botany, University of Molise

1988-1992 Curator of Botanic Garden, Orto Botanico di Portici, Faculty of Agriculture, University of Napoli Federico II

1984-1985 Research assistant at Forestry Dept., Michigan State University, USA

• Main activities and responsibilities

2017-2023 Componente Commissione nazionale per la previsione e la prevenzione dei grandi rischi - settore rischio ambientale e degli incendi boschivi - Dipartimento della Protezione Civile, Presidenza del Consiglio dei Ministri.

2016 Referente scientifico per l'implementazione del sistema di simulazione in realtà virtuale di incendi boschivi FFAS (Forest Fire Area Simulator) del Corpo Forestale dello Stato presso il Centro di Formazione di Castel Volturno.

2015-2017 Responsabile scientifico della convenzione con la SMA-Regione Campania per corsi di formazione sul fuoco prescritto ai fini della prevenzione incendi

2005-2009 Membro del Regional Project Centre PHOENIX - Fire ecology and post-fire management, istituito dal European Forest Institute (EFI)

2002-2005	Componente della Concerted Action "AVEC - Integrated Assessment of Vulnerable Ecosystems under Global Change". European Commission - 5th FP Energy, Environment and Sustainable Development
1999	Consulente del European Concerted Action "Delfi - Definition and creation of a common knowledge base for forest fires". Environment and Climate Programme ENV4-CT98-0735
1996-1999	Membro dello Steering Committee of the Concerted Action "Degradation and desertification in Europe of DG XII of the European Union
1992-99	Coordinatore del "Gruppo per l'Ecologia" della Società Botanica Italiana
1993-1994	Responsabile scientifico per la Regione Molise e Ministero dell'Ambiente per il progetto BIOITALY-HABITAT, UE D.G. XI

- Fellowships and awards

1986-1988	British council scholarships for studies at Institute of Terrestrial Ecology, Banchory Research Station, UK
1986	Centro Ricerche Agro Industriali (CRAI-SME) grant for applied statistical study
1985	Institute of International Education, grant to visit the Coweeta Hydrologic Laboratory, NC, USA
1984	Fulbright studentship for study period in USA

EDUCATION AND TRAINING

• Name and type of organisation providing education and training	Faculty of Agriculture, University of Naples Federico II
• Principal subjects/occupational skills covered	Fire ecology, Modelling of individual plants and community dynamics, Litter decomposition and soil organic matter dynamics, Plant-soil interactions and effects of disturbance, Software tools for ecological modelling, System dynamics modelling.
• Title of qualification awarded	National Abilitation to Full Professorship of Applied and Environmental Botany

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE	ITALIAN
OTHER LANGUAGES	ENGLISH

SCIENTIFIC AND ACADEMIC ACTIVITY

ACADEMIC TEACHING 1992-TO DATE	Systematic and General Botany Phytogeography Plant Ecology Modelling Biological Systems Fire Ecology and Wildfires
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LEVEL IN INTERNATIONAL CLASSIFICATION	h-index: 33 171 papers published (SCOPUS) 89 papers published last ten years (2012-to date) (SCOPUS)
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ORGANISATIONAL SKILLS AND COMPETENCES

INTERNATIONAL RESEARCH PROJECTS

PROJECT COORDINATOR

- MODMED I AND II - “MODELLING VEGETATION DYNAMICS AND DEGRADATION IN MEDITERRANEAN ECOSYSTEMS”, PARTICIPANT INSTITUTIONS: UNIVERSITIES OF NAPOLI, EDINBURG, ATHENS, LISBOA, VALENCIA, TRIER, PISA AND CAMPOBASSO - EU DG XII EV5V CT94-0489/0139: 631.593 €.
- MODMED III- “MODELLING MEDITERRANEAN ECOSYSTEMS DYNAMICS”, PARTICIPANT INSTITUTIONS: UNIVERSITIES OF NAPOLI, EDINBURG, ATHENS, LISBON, VALENCIA, TRIER, PISA, CAMPOBASSO, BUDAPEST - EU DG XII ENV4CT97- 0680: 727.000€.

UNIT COORDINATOR

- LUCIFER - “LAND USE INTERACTION WITH FIRE IN MEDITERRANEAN LANDSCAPES”, COORDINATION TOLEDO UNIVERSITY, SPAIN - EU DG XII ENV4 CT96 0320: 90.000 €.
- ERMES II - “SOIL EROSION IN MEDITERRANEAN ECOSYSTEMS”, COORDINATION CRANFIELD UNIVERSITY, GB - EU DG XII ENV4CT95 0181: 40.000 €.
- MODULUS - “INTEGRATED MODELLING ENVIRONMENT”, COORDINATION RIKS MASTRICHT, NETHERLAND - EU DG XII ENV4CT97-0685: 45.000 €.
- FIRE PARADOX - “AN INNOVATIVE APPROACH OF INTEGRATED WILDLAND FIRE MANAGEMENT REGULATING THE WILDFIRE PROBLEM BY THE WISE USE OF FIRE: SOLVING THE FIRE PARADOX”, COORDINATION UNIVERSITY OF LISBON, PORTUGAL - EU DG XII FP6 018505: 434.000 €.
- MESCOSAGR - “METODI SOSTENIBILI PER IL SEQUESTRO DEL CARBONIO ORGANICO NEI SUOLI AGRARI. VALUTAZIONE DEGLI EFFETTI SULLA QUALITÀ CHIMICA, FISICA, BIOLOGICA ED AGRONOMICA DEI SUOLI”, COORDINATION UNIVERSITY OF NAPOLI FEDERICO II - FONDO INTEGRATIVO SPECIALE PER LA RICERCA (FISR) MIUR: 137.700 €.
- PARADISOS - “PARADISE REGAINED: NEW LIFE FOR OLD GARDENS”, COORDINATION UNIVERSITY OF MANCHESTER - EU DG X RAPHAEL PROGRAMME

MAIN NATIONAL RESEARCH PROJECTS

PROJECT COORDINATOR

- “EFFECTS OF SPECIES DIVERSITY ON LITTER PRODUCTION AND DECOMPOSITION IN MEDITERRANEAN MAQUIS: MODELLING ANALYSIS” - PROGETTI RICERCA INTERESSE NAZIONALE (PRIN) MIUR 2005: 212,762 €.
- “MODELLING OF C AND N FLUXES IN MEDITERRANEAN VEGETATION: EFFECTS OF THE SPATIAL VARIABILITY OF VEGETATION COVER” - PROGETTI RICERCA INTERESSE NAZIONALE (PRIN) MIUR 2003: 231,300 €.
- SCIENTIFIC SUPPORT TO THE FOREST SERVICE OF CAMPANIA REGION ON FIRE FIGHTING ORGANIZATION AND FORESTRY PLANNING: 150.000 €.
- RESPONSIBLE OF FIRE FIGHTING PLANS OF THE NATIONAL PARK OF CILENTO AND VALLO DI DIANO 2003-2012: ANNUAL BUDGETS 50.000-70.000 €.
- COORDINATOR FOR CAMPANIA AND MOLISE REGIONS OF THE NATIONAL PROJECT “NATURE 2000”, MINISTRY OF ENVIRONMENT: 50.000 €.

UNIT COORDINATOR

- “THE FIRE IN MEDITERRANEAN ENVIRONMENT: EFFECTS ON VEGETATION AND SOIL” - PROGETTI RICERCA INTERESSE NAZIONALE (PRIN) MIUR 1999: 23.757 €.
- RESPONSIBLE OF RESEARCH UNIT ON “FIRE AND VEGETATION” FOR THE NATIONAL RESEARCH PROJECT PON PETIT OSA INFORMATION TECHNOLOGY FOR ENVIRONMENT - ITALIAN MINISTRY OF UNIVERSITY - 450,000 €.

EDITORIAL BOARD MEMBER

2007-present Member of the advisory board of Community Ecology

SCIENTIFIC COMMITTEE

2005-2009 Member of the Regional Project Centre PHOENIX (2005-2009) created by the European Forest Institute (EFI)
2002-2005 Component of the Concerted Action "AVEC - Integrated Assessment of Vulnerable Ecosystems under Global Change". European Commission - 5th FP Energy, Environment and Sustainable Development
1999 Consultant for the European Concerted Action "Delfi - Definition and creation of a common knowledge base for forest fires". Environment and Climate Programme ENV4-CT98-0735
1996-1999 Member of the Steering Committee of the Concerted Action "Degradation and desertification in Europe of DG XII of the European Union
1992-1999 Coordinator of the "Gruppo per l'Ecologia" of Società Botanica Italiana
1993-1994 Scientific responsible for Molise Region and Ministry of Environment for the BIOITALYHABITAT project - UE D.G. XI
1989-1992 Secretary of the "Gruppo per l'Ecologia" of Società Botanica Italiana International

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV