

ANNA MARIA MERCURI
Curriculum Vitae (2022)

Born in Tunis (Tunisia, 06-24-61), two daughters; orcid.org/0000-0001-6138-4165

Professor of Systematic Botany, Life Sciences Dept UNIMORE (1985 MD Biology, 1986 Biologist State Exam.; 1987 Specialization in Scientific Methodology; 2001 Researcher; 2014 Associate professor; 2022 Full professor).

My research focuses on Palynology as interdisciplinary approach to past-present environment and climate changes; Archaeobotany to study human behavior and cultures/plants relationships; both help to study the biodiversity of Italian peninsula, and the onset and evolution of cultural landscapes in the Mediterranean and Sahara.

Scientific Publications

I published 306 papers (156 in journals, 103 book chapters, 47 proceedings), and >170 abstracts.

Bibliometric indicators (January 2021):

No. publications: 182 (Scholar); 133 (Scopus); 90 (WoS)

No. citations: 4923 (Scholar); 3977 (Scopus); 3418 (WoS)

h-Index: 40 (Scholar); 39 (Scopus); 36 (WoS)

Professional, scientific and teaching experiences

National Scientific Habilitation (ASN) for Full Professor (2012, 2020)

Member of Research Commission of Life Sciences Dept. (up to 2021)

Delegate of International Affairs, 2014-2017

Member of the 2020 National Panel Research Evaluation GEV05 (Biology) of ANVUR, the Italian National Agency for the Evaluation of Research

Member of the PAGES Human Trace Group

I contributed to the onset of the **Laboratory of Palynology and Palaeobotany** of Modena (early '80ies; www.palinopaleobot.unimo.it)

I was Italian delegate at IFPS (International Federation Palynological Societies, 2008-2016)

I am Coordinator of the Italian Working Group of Palynology Palaeobotany of Italian Society of Botany (GPP-SBI, 2012-present); contributor to European Modern Pollen and EPD databases, and to African Pollen Database; Try-Plant traits

I founded a new type of repository: BRAIN-Botanical Records Archaeobotany Italian Network (brainplants.successoterra.net)

Since 2018, I am **President of the Master programme in Applied and Experimental Biology**, where I teach "Plant bioindicators, environmental transformations and sustainability" and the MOOC "Ethnobotany: the role of plants in our life" (EDUOPEN platform), both largely based on my research.

I was lecturer of 'Archaeobotany' and 'Botany and Cultural Evolution' for MDs in Cultural Heritage Sciences (UNIMORE; UNIMI).

I am member of the Doctorate School M3ES on environment and cultural heritage (UNIMORE); member of the examination boards in 2007, 2009, 2018

I supervised 85 theses of Bachelor (43) and Master (42) Degree in Biology, Natural Sciences, and Science of Cultural Heritage, and I was the advisor of 9 PhD students

I taught in Erasmus staff mobility: 2010 Univ. Autònoma Barcelona (Spain) - Aportació de l'arqueobotànica a la reconstrucció del paisatge vegetal i de l'impacte antròpic; 2013 Limoges (France) - Archaeobotany: principles, methods, and the reconstruction of the cultural landscape

I am in the **editorial boards** of IANSA-Interdisciplinaria Archeologica, AZA-Arid Zone Archaeology Monographs, Plant Biosystems, Quaternary, Frontiers in Ecology and Evolution, Anthropocene

Guest editor of 5 Special Issues:

2011-Cultural landscapes of the past (Plant Biosystems);

2013-Palynology: the bridge between palaeoecology and ecology (Annali Botanica);

2015-Palaeoecology and Long-Term Human Impact in Plant Biology (Plant Biosystems);

2018- CEA 2018: the 14th Conference of Environmental Archaeology in Modena (IANSA)

2019-The Long-Term Perspective of Human Impact on Landscape for Environmental Change (LoTEC) and Sustainability: From Botany to the Interdisciplinary Approach (Sustainability)

2022-23- Palynology for Sustainability (Sustainability, Quaternary).

Grants and projects

• Biodiversity National Centre, spoke 3, partner of the Unit UNIMORE

• EU projects: PI of "PaCE - Plants and Culture: seeds of the cultural heritage of Europe" (2007-2009; www.plants-culture.unimore.it; Culture Programme 2007-2013), with trans-EU exhibition through 13 countries 228.000 €

• Unit Leader of "Cultural landscapes of the past" (Culture 2000; coord. J Tresserras, Univ. Barcelona; 2005-2006) 30.000 €

• Supervisor and host institution of Individual Fellowship **MSCA-IF** "OLEA - Olea expansion and mosaic Landscape formation in an island Environment since human Arrival (2020-2022; www.olea.unimore.it) 172.000 €

- PI of PRIN08 "PICAR - Cultural landscape and human Impact in Circum-Mediterranean countries" (2010-2012; prot. 2008FJCEF4) 99.200 €
- Unit Leader of the two-partners **PRIN2015** "SUCCESSO-TERRA" (2016-2020; prot. PRIN20158KBLNB,

www.successoterra.net) 121.000 €

- PI of "SELCE - Selvatici Cereali: Wild cereals: our future and the reply of plants to climate change; Semi2015.0033), funded by Fondazione Cassa Risparmio Modena (2015-2016)
- Unit Leader of WP2 'Environmental Biology' in the UNIMORE Strategic Lines 'Environment, food and health' (2013-2014) 50.000
- GEOMELISSO SPINNER 2013 - Supervisor and host institution with 'Piana R&C srl' of Bologna, on melissopalynology and quality of honeys.

Archaeobotany team leader in Sahara

- Member of Italian-Libyan Mission for Prehistoric Research in Sahara, MAE and Sapienza Univ. Rome, led by S diLernia; two top papers were published in 2016 (Dunne et al) and 2018 (Mercuri et al) on Nature Plants
- Participant of Gobero Project (Niger) led by C Stojanowski, Center for Bioarchaeological Research, Arizona Univ.; 2008-2009), funds by Wenner-Gren Foundation Anthropological Research (GR 7747; Biocultural Adaptations to Climatic Instability during the Early and Middle Holocene in the WSD) and by NSF (BCS 0820805; Bioarchaeological Reconstruction of Human Adaptations at the Sahara-Sahel Border)
- Partner of National Geographic Society project Living by the last lakes in the Sahara-Sahel borderland led by E Garcea, Cassino Univ. and P Sereno, Chicago Univ.

Archaeobotany team leader/partner in Italy

- 'Excavating the Roman Peasant' and 'The Archaeology of Rural Rome' (2010-2018) funds by NSF USA led by K Bowes - Pennsylvania Univ., with institutional agreement
- 'Archeobotanical research in Metaponto' (2010-2018), Metaponto-project led by J Carter, Austin-Texas Univ., with institutional agreement
- 'Land estate and economies in late antiquity: the Philosophiana project (central Sicily)' e-GAP2 British Academy (2012); 'New light on the late Roman and early medieval economy of central Sicily', (2013) Cambridge Humanities Research Grants Scheme led by E Vaccaro, Univ. Trento
- 'Landscape at Morgantina, central Sicily' (2019) led by D Walthan, Austin-Texas Univ.
- 'Il Vino di Polifemo - Polyphemus's Wine' (2013-2014), Villa Casale (UNESCO), funds by MIBACT, agreement with Archaeological Park; invited talk at MILAN EXPO (2015) on "Hidden traces of vineyards: how archaeobotany reveals the long-time history of agricultural tradition in Sicily" 25.000 €
- 'Palinologia applicata ai siti archeologici e ricostruzioni del paesaggio vegetale negli insediamenti antichi della Basilicata' (2005-2007) with Scuola Specializzazione Archeologia Matera Univ. Basilicata
- UNESCO sites: Stromboli in the Aeolian Islands (www.parks.it/riserva.stromboli); Palù di Livenza (palu.incaneva.it); Pompeii, Tusculum, Taormina, and Mutina-Modena.

Other projects

Aqua Traiana, University of Austin-Texas, partner

- Participant and Scientific Committee ERC "nEU-MED" (Siena Univ.; 2019-2021, coord. R Hodges, G Bianchi; www.neu-med.unisi.it/en)
- Member of the pollen team of SCOPSCO (Scientific Collaboration on Past Speciation Conditions in lake Ohrid; web.uniroma1.it/dip_dba302/ricerca/scopsco-pollen-group), with data published on 2019 Nature 573:256-260
- Invited contributor to the "Changing the face of the Mediterranean", led by N Roberts, funded by Leverhulme Trust (2015-2018), with led of one paper in Pan-Mediterranean Challenges section of the Holocene SI 29 2019
- PAPAVER - Centre for human and plant studies in Europe and Northern Africa in the postglacial period, led by J Benes, with course on Palynology and Archaeobotany for PhD e MD students (June 2014, Czeske Budejovice, Czech Republic)
- AGRESPE - réseAu Gestion de Ressources Environnementales passées et Patrimonialisation paysagère (2012-2014), and AGRESTE - réseAu Gestion des Ressources Environnementales par les Sociétés dans les Territoires du passé (2010-2011), consortium Univ. Limoges (France) and one joint PhD project.

Reviewer of projects and papers

I reviewed 31 research proposals (24 from European or N American agencies; 7 from national call; 2009-2020): MSCA & AIAS-COFUND Aarhus DK; SNSF-Swiss National Science Foundation; Medical Research Council UKRI-UK; GRIS Czech Science Foundation, Belgium FWO-Research Foundation; USA National Science Foundation; The Romanian - EAA Executive Agency for Higher Education Research; NG-National Geographic Committee for Research and Exploration; Polish Academy of Science - Parent Bridge; Estonian Research Council; Catalan Institute of Classical Archaeology; Pontificia Università Gregoriana; Italian Ministry of Research (FARE, FIRB, PRIN, PAR, Rita Levi Montalcini).

I reviewed >180 papers (117 reviews for 39 IF journal, including Science, Nature Plants, [Sc.Rep.](http://www.nature.com/scientificreports/) and PNAS). I was member of the international committee of the defence of four PhD thesis on the evolution of cultural landscape in Spain (Barcelona), Pais Basque, France (Limoges).

Congresses

President of 3 Intern. Congr. held in Modena: 1) 2018 February, Environmental Archaeology Conference (14th CEA); 2) 2015 June, Intern. Workshop African Archaeobotany (8thIWAA); 3) 2013 May, '2013 Palynology: the bridge between palaeoecology and ecology for understanding human-induced global changes in the Mediterranean area'. Scientific Committee of >12 Intern. Congr., promoter and co-organizer of MedPalyno (2019 Bordeaux, 2017 Barcelona, 2015 Rome); and, e.g., 2019 18thIWGP Lecce; 2014 9thEPPC Padua; 2013 XIV OPTIMA: symposium

'Palynology for the Mediterranean vegetation history' Palermo; 2009 Bergen, 'Garden Plant Congress'; 2008 Bonn, 12thIPC- Two-days symposium with L.Sadori on 'Reconstruction of past cultural landscapes and human-related environmental changes using palynological and archaeobotanical records'

Plenary lectures

2018 - CASSINO (Italy) MetroArcheo, Why, what and how can archaeobotany measure the past? Cultural landscapes of the Mediterranean and Saharan areas

2008 PALMA DE MALLORCA (Spain) APLE, Palynology applied to Forensic Sciences: principles, methods and examples

November 06 2022