



Fabrizio Michelangeli

Nationality: Italian **Date of birth:** 09/10/1991 **Email address:** fabrizio.michelangeli@uniroma1.it

CURRENT POSITION

[01/03/2024 – Current]

Postdoctoral research fellow

Sapienza University of Rome, Department of Environmental Biology

Project: TrAcking Long-term decline of forest biodiVErsity in Italy to support conservation actions (ALIVE)

PROFESSIONAL EXPERIENCES

[01/03/2023 – 28/02/2024]

Postdoctoral Research fellow

University of Bologna Alma Mater Studiorum, Italy

Project: Palynostratigraphic study of late Quaternary successions in the subsoil of the central Po Valley

[01/03/2022 – 28/02/2023]

Postdoctoral Research fellow

Sapienza University Research Fellow, Department of Environmental Biology

Project: Spatio-temporal patterns of vegetation dynamics in the Central Mediterranean region during the last 3000 years (STORY)

[12/03/2017 – 12/03/2018]

Assistant Museum Curator

Assistant curator at the Civic Museum of Zoology of Rome (13/03/2017-13/03/2018), funded by SNC "Servizio Civile Nazionale", with tasks of:

- contributing curatorial content to exhibit-related programming
- maintaining the mammal collections
- restoring the ornithological collection "Arrigoni degli Oddi"
- reordering and updated the malacological collection "Settepassi"
- inventorying a new Bryozoan collection (Chimenz collection, *Epiceno et al.*, 2019).

SCIENTIFIC INTERNATIONAL COMMISSIONS

[2022 – Current]

ECN-PAGES Early-Career Network-Past Global Changes. Regional Representative for Europe

EDUCATION AND TRAINING

PhD in Environmental and Evolutionary Biology

Sapienza University of Rome [2018 – 2022]

City: Rome | **Country:** Italy | **Field(s) of study:** Palynology, Palaeoecology, Palaeoclimatology | **Final grade:** Magna cum Laude | **Thesis:** Pollen Analysis of Late Holocene Marine Sediments from the Central Mediterranean Sea

Master's Degree in Ecobiology

Sapienza University of Rome [25/10/2018]

City: Rome | Final grade: 110/110 cum laude | Thesis: Palaeovegetational reconstructions and climate dynamics during the last 3000 years in Italy

Bachelor's degree in Natural Sciences

Sapienza University of Rome [18/05/2016]

City: Rome | Final grade: 110/110 cum laude | Thesis: The nativeness of *Styrax officinalis* L. in Italy

RESEARCH ACTIVITY

Palynostratigraphy of Middle-Late Pleistocene alluvial sedimentary sequences from the Po Plain

Sequence Stratigraphy and palynostratigraphic investigations of long stratigraphic sequences at regional scale.

Palynological study moss pollination traps

Collection, extraction, and identification of airborne pollen in natural moss traps. Database compilation and modelling of pollination processes.

Pollen analysis and biostratigraphy of Pleistocene sedimentary context in the Mediterranean region

Palaeovegetational reconstructions from Pleistocene records at: Los Tollos (Cádiz, Spain), Lake Bolsena (VT, Italy), and Lake San Giuliano (MT, Italy), Lago di Monticchio (PZ, Italy)

Pollen analysis from marine sediment in the Mediterranean Sea

Pollen analysis of marine sediment cores from the Sicily Channel and high-resolution vegetation reconstructions during the last 3000 years (see publ. Michelangeli et al., 2022a, 2022b)

Reconstruction of Late Holocene vegetational trends, agricultural practices, and climate oscillations in the Mediterranean region

(see publ. Di Rita et al., 2022)

Pollen analysis of archaeological materials (burials, underwater settlements, organic residues)

Archaeological contexts under investigation: (Bisenzio, Gran Carro, Colosseum, Domus Tiberiana, and Palatin Hill)

Creation and maintenance of a Mediterranean palaeo and actuo-palynological database

Database of the Laboratory of Palaeobotany and Palynology at Sapienza University of Rome

PROJECTS

[2024 – Current]

TrAcking Long-term decline of forest biodiVErsity in Italy to support conservation actions (ALIVE)

Projects of National Relevance PRIN 2022 PNRR _ P2022C3LKW, CUP B53D23023560001; Principal Investigator: Prof. F. Di Rita

National Geological and Geothematic Mapping Project CARG

Geological sheet 184, Mirandola, N Italy

[2023 – Current]

Palynostratigraphic study of late Quaternary successions in the subsoil of the central Po Valley

Alma Mater Studiorum University of Bologna Research Fellow, Department of Biological, Geological, and Environmental Sciences; Principal Investigator: F. Michelangeli.

[01/03/2022 – 28/02/2023]

Spatio-temporal patterns of vegetation dynamics in the Central Mediterranean region during the last 3000 years (STORY)

Sapienza University Research Fellow, Department of Environmental Biology; Principal Investigator: F. Michelangeli

[2022 – Current]

Sapienza University Project: “Indagini ARchEobotaniche e musealizzazione dei resti vegetali del Colosseo (ARENA)”

Sapienza University Project: No. AR22218167EC856E, 2022; Principal Investigator: F. Michelangeli

[2023 – Current]

HOMEDSCAPE Palaeobotany and paleoart to shed light on the plant landscapes and evolutionary scenarios for the genus Homo with emphasis in the Mediterranean Basin

MINISTERIO DE CIENCIA E INNOVACIÓN, Universidad de Murcia, Principal Investigator: Prof. José Sebastián Carrión García

[2023 – Current]

HumAN and climAtic iMPlicationS of palaEoecological changeS in large ISlands in the central Mediterranean (ANAMNESIS)

Sapienza University Project: No. RM1221816B963D12, Principal Investigator: F. Di Rita

[01/03/2022 – 28/02/2023]

PIAnt RemAins as indicators of past human activity in the underwater Iron Age settlement of Gran Carro (Lago di Bolsena, Viterbo) - PARABOLA

Sapienza University Project No. RM12117A86EFDDA1, Principal Investigator: Prof. D. Magri

[2020 – Current]

International Project “Bisenzio (VT – Italy) between the Bronze and the Archaic Age: a capital node connecting dynamic networks in South Etruria”

project supported by the Deutsche Forschungsgemeinschaft (DFG), coordinated by Römisch-Germanisches Zentralmuseum (RGZM) of Mainz (Germany); Principal Investigator: A. Babbi

Link: <https://web.rgzm.de/museen/details-neues-aus-den-museen/article/bisenzio-multi-disciplinary-research-on-a-major-etruscan-centre-from-the-late-bronze-age-to-the-arc/>

[2022]

GEOAERCHAEO Metodologie, strumenti e servizi innovativi per lo sviluppo del patrimonio culturale dei geo-archeo siti”, PON Azione II.2 – Cluster tecnologici D.D. prot. 1735 del 13 luglio 2017 – Progetti di Ricerca nelle 12 Aree di Specializzazione in

Principal Investigator: Prof. F. L. Chiocci

[2019 – 2021]

Plants and human activity in the I millennium B.C.: A palynological approach

Sapienza University Project No. AR120172B6F2F165; Principal Investigator: F. Michelangeli

[2018]

Risposte della VEgetazione e delle popoLazioni umane in Italia e nel Vicino OriEnte all'evenTo climatico di 4200 anni fa (VELVET)

[2019]

Scelte economiche delle comunità umane del Mediterraneo centrale e relazione con le fluttuazioni climatiche dell'Olocene medio

Sapienza University Project: No. RM11916B5048C45F; Principal Investigator: Prof. C. Conati Barbaro

PUBLICATIONS

[2024]

Sedimentary response of the Po Basin to Mid-Late Pleistocene glacio-eustatic oscillations

Bruno, L., Demurtas, L., Magri, D., **Michelangeli, F.**, Rittenour, T., Hong, W., Rossi, V., Vaiani, S.C., Vecchi, A., Amorosi, A., 2024. Sedimentary response of the Po Basin to Mid-Late Pleistocene glacio-eustatic oscillations. Quaternary Science Reviews 344, 109005. <https://doi.org/10.1016/j.quascirev.2024.109005>

[2024]

Tracing 40,000 years of vegetation change in the Baetic-Rifan biodiversity hotspot

Carrión, J.S., Ochando, J., **Michelangeli, F.**, Jiménez-Espejo, F., Ojeda, F., Amorós, G., Munuera, M., Marín-Arroyo, A.B., González-Sampériz, P., Rodríguez-Vidal, J., Di Rita, F., Magri, D., 2024. Tracing 40,000 years of vegetation change in the Baetic-Rifan biodiversity hotspot. Review of Palaeobotany and Palynology 105202. <https://doi.org/10.1016/j.revpalbo.2024.105202>

[2024]

Longitudinal population dynamics of Mediterranean-Atlantic Arbutus during the last 30 ka

De Santis, S., **Michelangeli, F.**, Spada, F., Magri, D., 2024. Longitudinal population dynamics of Mediterranean-Atlantic Arbutus during the last 30 ka. Review of Palaeobotany and Palynology 325, 105099. <https://doi.org/10.1016/j.revpalbo.2024.105099>

[2024]

Balkan Neanderthals: The Late Pleistocene palaeoecological sequence of Pešturina Cave (Niš, Serbia)

Ochando, J., Carrión, J.S., Magri, D., Marín-Arroyo, A.B., Di Rita, F., Munuera, M., **Michelangeli, F.**, Amorós, G., Milošević, S., Bogičević, K., Dimitrijević, V., Nenadić, D., Roksandic, M., Mihailović, D., 2024. Balkan Neanderthals: The Late Pleistocene palaeoecological sequence of Pešturina Cave (Niš, Serbia). Quaternary Science Reviews 330, 108600. <https://doi.org/10.1016/j.quascirev.2024.108600>

[2024]

Posidonia oceanica (L.) Delile, 1813 seedlings as a potential integrative tool for restoring damaged meadows

Mancini, G., Ventura, D., Casoli, E., **Michelangeli, F.**, Panarello, G., Belluscio, A., Ardizzone, G., 2024. Posidonia oceanica (L.) Delile, 1813 seedlings as a potential integrative tool for restoring damaged meadows. Restoration Ecology e14156. <https://doi.org/10.1111/rec.14156>

[2023]

Resti vegetali da un contesto di V secolo d.C. della Domus Tiberiana

Celant, A., **Michelangeli, F.**, 2023. Resti vegetali da un contesto di V secolo d.C. della Domus Tiberiana in Russo, A., Almonte, M., Filetici, M. G., (eds) *Imago imperii*. La Domus Tiberiana e la vita quotidiana nel Palazzo Imperiale, Electa, Milan, Italy, pp 146. ISBN: 9788892823808

[2022]

Paleoflora y Paleovegetación Ibérica III Holoceno

José Sebastián Carrión García (coord.), Manuel Munuera Giner, Juan Ochando Tomás, José Antonio López Sáez, M. Casas Gallego, Penélope González Sampériz, Ernestina Badal García, Sebastián Pérez Díaz, Yolanda Carrión Marco, Gonzalo Jiménez Moreno, Lourdes López Merino, Francesc Burjachs Casas, Daniel Abel Schaad, Santiago Fernández Jiménez, César Morales del Molino, Francisca Alba-Sánchez, Leonor Peña Chocarro, Eduardo Barrón, José María Postigo Mijarra, María José Gil García, Juan Manuel Rubiales Jiménez, Paloma Vidal Matutano, Josu Aranbarri Erkiaga, María José Ramos Román, Jon Camuera Bidaurreta, Donatella Magri, Jordi Revelles López, Yul Altolaguirre Zancajo, María Blanca Ruiz Zapata, María de los Reyes Luelmo Lautenschlaeger, Paloma Uzquiano Ollero, Ethel Allué Martí, Scott Anderson, Michèle Dupré Ollivier, Graciela Gil Romera, Raquel Piqué Huerta, Mercedes García Antón, Gabriela Amorós Seller, Riker Yll, Guillem Pérez Jordà, Louis Scott, Isabel Figueiral, María Oliva Rodríguez Ariza, Carlos Morla Juaristi, Ignacio García Amorena, Encarnación Montoya Romo, Cristina Val Peón, Ana Ejarque Montolio, Santiago Riera Mora, María Cristina Peñalba, Elena Fierro Enrique, Isabel Expósito Barea, Ramón Pérez Obiol, Manuel Vieira, Fernando Gómez Manzaneque, Javier Maldonado Ruiz, María Leunda Esnaola, Fátima Franco Múgica, Rosa María Albert Cristobal, María Josefa Díez Dapena, Ana Belén Marín Arroyo, Saúl Manzano Rodríguez, Federico Di Rita, Antonia Andrade Olalla, Igor Parra, Lydia Zapata Peña, Ana Pérez Sanz, Elena Grau Almero, Marta Alcolea, José Manuel Mesa Fernández, Yannick Miras, Mónica Ruiz Alonso, María del Mar Génova Fuster, Salvia García Álvarez, Elena Moreno Amat, José Antonio Olmedo Cobo, José Gómez Zotano, Rubén Pardo Martínez, Bàrbara Mas, Patrícia Diogo Monteiro, Ferran Antolín Tutusaus, Laura Obea Gómez, María Martín Seijo, Natalia Alonso Martínez, Ariadna Amorós, Manuel Fernández Díaz, Pedro Pablo Reyes, María Victoria Sánchez Giner, Maximiliano Gómez Rodríguez, Valentí Rull del Castillo, Teresa Vegas Vilarrubia, Oriol López Bultó, Sabrina Bianco, María del Carmen Trapote Sinovas, Llorenç Picornell Gelabert, Pau Sureda Torres, Elodie Brisset, Gabriel Ángel Servera Vives, Aldara Girona Ruiz, Alessandra Celant, **Fabrizio Michelangeli**, Marc Sánchez Morales, 2022. Paleoflora y Paleovegetación Ibérica: Holoceno. Ministerio de Ciencia e Innovación y Fundación Séneca, Murcia.

[2022]

Paleoflora y Paleovegetación Ibérica Pleistoceno

José Sebastián Carrión García (coord.), Juan Ochando Tomás, Manuel Munuera Giner, M. Casas Gallego, Penélope González Sampériz, José Antonio López Sáez, José María Postigo Mijarra, Eduardo Barrón López, Ernestina Badal García, Yolanda Carrión Marco, Lourdes López Merino, Juan Manuel Rubiales Jiménez, Francesc Burjachs Casas, Santiago Fernández Jiménez, Paloma Uzquiano Ollero, Gonzalo Jiménez Moreno, Encarnación Montoya Romo, Mercedes García Antón, María José Gil García, Yul Altolaguirre Zancajo, María Blanca Ruiz Zapata, Ethel Allué Martí, César Morales del Molino, Francisca Alba-Sánchez, Sebastián Pérez Díaz, Gabriela Amorós Seller, Jon Camuera Bidaurreta, María José Ramos Román, Josu Aranbarri Erkiaga, Manuel Vieira, Paloma Vidal Matutano, Leonor Peña Chocarro, Scott Anderson, Rosa María Albert Cristobal, Santiago Riera Mora, Suzanne A. Leroy, William Fletcher, Graciela Gil Romera, Isabel Expósito Barea, María Oliva Rodríguez Ariza, Carmen María Martínez Varea, Alejandro López Avilés, Ana Pérez Sanz, María de los Reyes Luelmo Lautenschlaeger, Juan Arroyo Marín, Miguel Verdú del Campo, Federico Di Rita, Donatella Magri, Carlos Morla Juaristi, Louis Scott, María Cristina Peñalba, Elena Fierro Enrique, Ignacio García Amorena, Cristina Val Peón, Igor Parra, Fernando Gómez Manzaneque, Isabel Figueiral, **Fabrizio Michelangeli**, Clive Finlayson, Geraldine Finlayson, Juan Manuel Jiménez Arenas, Paloma de la Peña, Ana Belén Marín Arroyo, Raquel Piqué Huerta, Guillem Pérez Jordà, Mónica Ruiz Alonso, Raúl Iglesias González, Natalia Alonso Martínez, Marta Alcolea, Samantha Elsie Jones, Maximiliano Gómez Rodríguez, Ariadna Amorós, María Victoria Sánchez Giner, Manuel Fernández Díaz, Pedro Pablo Reyes, Ignacio Martín Lerma, Aldara Girona Ruiz, Michèle Dupré Ollivier, 2022. Paleoflora y Paleovegetación Ibérica: Pleistoceno. Ministerio de Ciencia e Innovación y Fundación Séneca, Murcia.

[2023]

An Environmental and Climate History of the Roman Expansion in Italy

Bernard, S., McConnell, J., Di Rita, F., **Michelangeli, F.**, Celant, A., Magri, D., Bini, M., Sadori, L., Zanchetta, G., Masi, A., Trentacoste, A., Lodwick, L., Samuels, J. T., Mariotti Lippi, M., Bellini, C., Paparella, C., Padilla Peralta, D., Tan, J., van

Dommelen, P., De Giorgi, A. U., Cheung, C., 2023. An Environmental and Climate History of the Roman Expansion in Italy. *Journal of Interdisciplinary History*. https://doi.org/10.1162/jinh_a_01971

[2022]

[Sign-switching ecological changes in the Mediterranean Basin at 4.2 ka BP](#)

Di Rita, F.*, **Michelangeli, F.***, Celant, A., Magri, D., 2022. Sign-switching ecological changes in the Mediterranean Basin at 4.2 ka BP. *Global and Planetary Change* 208, 103713. <https://doi.org/10.1016/j.gloplacha.2021.103713>

***co-first author**

[2021]

[Data for: Sign-switching ecological changes in the Mediterranean Basin at 4.2 ka BP](#)

Magri, D.; Di Rita, F.; **Michelangeli, F.**; Celant, A., 2021. "Data for: Sign-switching ecological changes in the Mediterranean Basin at 4.2 ka BP", Mendeley Data, V1. <https://doi.org/10.17632/wgb7j9bvss.1>

[2022]

[Three Millennia of Vegetation, Land-Use and Climate Change in SE Sicily](#)

Michelangeli, F., Rita, F.D., Celant, A., Tisnérat, N., Lirer, F., Magri, D., 2022. Three Millennia of Vegetation, Land-Use and Climate Change in SE Sicily. *Forests* 13, 22. <https://doi.org/10.3390/f13010102>

[2022]

[Vegetation history of SE Sicily from feudal land management to post-war agricultural industrialization](#)

Michelangeli, F., Di Rita, F., Lirer, F., Lubritto, C., Bellucci, L.G., Cascella, A., Bonomo, S., Margaritelli, G., Magri, D., 2022. Vegetation history of SE Sicily from feudal land management to post-war agricultural industrialization. *Review of Palaeobotany and Palynology* 104547. <https://doi.org/10.1016/j.revpalbo.2021.104547>

[2019]

[Climate and human influence on the vegetation of Tyrrhenian Italy during the last 2000 years: new insights from microcharcoal and non-pollen palynomorphs](#)

Di Rita, F., Lirer, F., Margaritelli, G., **Michelangeli, F.**, Magri, D., 2019. Climate and human influence on the vegetation of Tyrrhenian Italy during the last 2000 years: new insights from microcharcoal and non-pollen palynomorphs. *Geografia Fisica e Dinamica Quaternaria* 42 (2), 203–214. <https://doi.org/10.4461/GFDQ.2019.42.10>

Checklist di gruppi selezionati dell'entomofauna di una area della campagna romana a nord-est di Roma (Lazio)

Crucitti, P., Bombarda, F., Brocchieri, D., Bubbico, F., Del Bove, E., Doglio, S., Emiliani, F., Francioni, G., Gneccchi, M., **Michelangeli, F.**, Rodomontini, R., Pulvirenti, E., Rossi, S., Santoboni, L., Tringali, L., Vigliola, V., 2016. Checklist di gruppi selezionati dell'entomofauna di una area della campagna romana a nord-est di Roma (Lazio). *Bollettino dell'Associazione Romana di Entomologia* 71, 207–233

[2019]

[The Bryozoan collection of the Museo Civico di Zoologia of Rome](#)

Epiceno, A., Cera, A., **Michelangeli, F.**, Rulli, A., Zaggia, S., 2019. The Bryozoan collection of the Museo Civico di Zoologia of Rome. *Museologia Scientifica* 13, 35–39. ISSN 1123-265X.

CONFERENCES AND SEMINARS

[28/06/2024] Palma, Spain

Càtedra de la Insularitat UIB-GOIB "Challenges and opportunities in land use changes for European islands: addressing vulnerability and sustainability"

Invited speaker

Three millennia of vegetation, land use and climate change in southeastern Sicily

[25/06/2004] Rome

Italian Association for the study of the Quaternary AIQUA "Pagine da decifrare: clima, organismi e territori del Quaternario"

Oral communication

The imprint of glacial-interglacial cycles on stratigraphic records and vegetation dynamics of the Po Plain during the Mid- and Late Pleistocene

[30/05/2024] Prague

XV International Palynological Congress- IPC/IOPC, Q03

Oral communication

Palynostratigraphy of a key Middle-Late Pleistocene alluvial sedimentary sequence from the Po Plain (Northern Italy)

[20/07/2023] Rome (Italy)

International Union for Quaternary Research-INQUA 2023 Session: 133 Unravelling Mediterranean sensitivity to past rapid climate variability

Oral communication

Opposite trends of tree cover changes in the Mediterranean Basin around the 4.2 ka BP event

[18/07/2023] Rome (Italy)

International Union for Quaternary Research-INQUA 2023, Session 138: Wet Environments and Human Communities: Interaction and resilience in the Holocene and Antiquity

Convener

[18/07/2023] Rome (Italy)

International Union for Quaternary Research-INQUA 2023 Session 138: Wet Environments and Human Communities: Interaction and resilience in the Holocene and Antiquity

Oral communication

Palaeoenvironmental dynamics and human-landscape interactions at the Bolsena Lake (Central Italy) between the 2nd millennium and 5th century BCE

[09/02/2023] Rome (Italy)

Italian Association for the study of the Quaternary AIQUA "The Road to Rome2023"

Oral communication

Opposite trends of tree cover changes in the Mediterranean Basin around the 4.2 ka BP event

[22/06/2022] Stockholm (Sweden)

11th European Palaeobotany and Palynology Conference EPPC, O101

Oral communication

Vegetation dynamics, land-use, and climate fluctuations in SE Sicily over the last 3000 years

[12/2021]

Paleontological Virtual Congress PaleoVC, December 2021

Oral communication

Vegetation change in SE Sicily during the last 3000 years

[09/2021] Toronto (Canada)

Climate and the Roman conquest of Italy, University of Toronto

Oral communication

Tree cover change in central Italy in the first millennium BCE

[09/2021] Trieste (Italy)

SGI 90th congress of Società Geologica Italiana

Oral communication

A Late Holocene pollen record from marine sediments in SE Sicily

[09/2021] Modena (Italy)

MedPalynos 2021, The Mediterranean Palynology Symposium

Oral communication

A palaeoecological record of land-use changes in SE Sicily during the last 400 years

[02/2021]

4° CGMI, Quarto Convegno dei Geologi Marini Italiani

Oral communication

Potenzialità dei diagrammi pollinici marini nello studio di eventi climatici

[05/2020]

ERC project TIMED Workshop: Testing the role of Mediterranean thermo-haline circulation as a sensor of transient climate events and shaker of North Atlantic Circulation

Invited speaker

Late Holocene pollen record from marine core ND2 (Southeast Sicily)

Link: <https://icacho6.wixsite.com/timed>

[07/2019] Dublin (Ireland)

20th Congress of the International Union for Quaternary Research INQUA, Dublin

Poster session

A compositional metanalysis of pollen data reveals climate influence on vegetation trends in the Central Mediterranean region during the late Holocene

[11/2022]

BES PalaeoSIG- Data Manipulation & Statistical Analysis in Palaeoecology: A Masterclass in R

Workshop

[06/2022] Prague

European Pollen Database (EPD) Open Science Meeting 2022

Workshop

[07/2020]

Pollen Modelling Workshop, modelling pollen dispersal and deposition as a tool for reconstructing past landcover

Workshop

[01/2020] Rome

Theoretical and practical course of Aerobiological Monitoring, AAIITO Association of Italian Territorial and Hospital Allergologists Immunologists, INAIL National Institute for Insurance against Accidents at Work

Workshop

[04/06/2021] Catania

Specie vegetali e habitat di Direttiva in Sicilia: stato delle conoscenze e prospettive di conservazione

Attendance

Società Botanica Italiana, sezione siciliana

[14/12/2018] Rome

Protocolli per il monitoraggio della flora di interesse comunitario: efficacia e possibilità di miglioramento sulla base dell'esperienza maturate per il 4° report

Workshop

Società Botanica Italiana, gruppo per la conservazione della natura

Web of Science ResearcherID: AFP-6972-2022

[12/2021 – Current]

Quaternary Science Reviews ELSEVIER: 7

[12/2021 – Current]

Palaeogeography, Palaeoclimatology, Palaeoecology ELSEVIER : 1

[12/2023 – Current]

The Holocene SAGEjournals: 1

[08/2024 – Current]

Quaternary MDPI: 2

TEACHING EXPERIENCE

[10/2024]

Age, depth, and everything in between: the Science of the “Past”

Write here the description...Seminar on “Age, depth, and everything in between: the Science of the “Past” for the course of “Environmental and Experimental Archaeology”, Erasmus Mundus Joint Master in Archaeological Materials Science (ARCHMAT), Sapienza University of Rome

[11/2023]

Bayesian Age-depth modelling and radiocarbon data in palaeoecology

Seminar for the course of “Environmental and Experimental Archaeology”, Erasmus Mundus Joint Master in Archaeological Materials Science (ARCHMAT) at Sapienza University of Rome

[11/2022]

Late Holocene vegetation dynamics, land-use, and climate fluctuations in the Central Mediterranean region

Seminar for the Master Programme in "Archaeology", Department of Ancient World Studies, Sapienza University of Rome

[11/2022]

Age-depth modelling in palaeoecology

Seminar for the course of “Environmental and Experimental Archaeology”, Erasmus Mundus Joint Master in Archaeological Materials Science (ARCHMAT)

SCOLARSHIPS

[26/04/2020 – 26/07/2020]

Student tutoring

Department of Environmental Biology, Sapienza University of Rome, Student Tutor in the course of "Botany and Plant Diversity" (call n° 2/2020)

[09/10/2019 – 30/12/2019]

Student tutoring

Department of Environmental Biology, Sapienza University of Rome, Erasmus Mundus Programme ARCHMAT, Student Tutor in the international course "Archaeometry and Laboratory of Archaeometry" (call n° 82/2019)

[08/04/2019 – 08/07/2019]

Student tutoring

Department of Environmental Biology, Sapienza University of Rome, Student Tutor in the course of "Botany and Plant Diversity" (call n° 03/2019)

EXHIBITIONS AND MUSEUM ACTIVITIES

[20/09/2023]

Permanent exhibition at the Archaeological Park of the Colosseum, Domus Tiberiana, Imago Imperii

OUTREACH ACTIVITIES AND PUBLICATIONS

[2024]

Bisenzio – bedeutender Knotenpunkt in Südeururien

Archäologie in Deutschland AiD vol. 1/2024 February/March 2024, Editor: wbg wissen teilen weiter denken

Links: <https://aid-magazin.de/2023/12/04/bisenzio-bedeutender-knotenpunkt-in-suedetrurien/> | <https://aid-magazin.de/termine/1500-v-chr-maechtige-burgen-boomende-landschaften-archaeologie-in-deutschland-1-24/>

[28/09/2023]

PAGES ECN Webinar “Let’s talk about career”

Speaker: Xavier Benito, Marine and Continental Waters Programme, IRTA, Spain

Talk title: You'd better start swimming or you sink like a stone: Career lessons learned by an aquatic (paleo)ecologist.

[12/05/2023]

PAGES ECN Webinar “Let’s talk about career”

Talk title: How did I become a junior researcher at CCMAR.

Speakers: Dulce Oliveira & Lélia Matos, Marine and Continental Waters Programme, IRTA, Spain

Link: <https://www.youtube.com/watch?v=R1k9Vb6nLSk&list=PLpv1hZ8YhQjQPNbrQxhJrx55HitU6l624>

[24/08/2022]

Bisenzio. Il lago e la città

Archeologia Viva n. 215 – September/October 2022, pp. 26-39 ISBN: 9788809953789 Editor: Giunti

Link: <https://www.giunti.it/catalogo/archeologia-viva-n-215-settembreottobre-2022-9788809953789>

[17/05/2022 – 18/05/2022]

Fascination plant days

Botanic Garden of Rome, Rome (Italy)

[06/2022]

European Researcher’s night

Sapienza Herbarium Museum, Rome (Italy)

Palynostratigraphy of a key Middle-Late Pleistocene alluvial sedimentary sequence from the Po Plain (Northern Italy)

Michelangeli, F., Amorosi, A., Bruno, L., Magri, D., 2024. Palynostratigraphy of a key Middle-Late Pleistocene alluvial sedimentary sequence from the Po Plain (Northern Italy). XVI PC-IOPC international congress.

Population dynamics of *Arbutus* in its Mediterranean-Atlantic range over the past 30 ka: A longitudinal trend

De Santis, S., **Michelangeli, F.**, Spada, F., Magri, D., 2024. XVI PC-IOPC international congress.

Holocene vegetation dynamics in large islands of the Mediterranean

De Luca, E., **Michelangeli, F.**, Celant, A., De Santis, S., Magri, D., Ochando, J., Di Rita, F., 2024. Holocene vegetation dynamics in large islands of the Mediterranean. XVI PC-IOPC international congress.

Opposite trends of tree cover changes in the Mediterranean Basin around the 4.2 ka BP event

Di Rita, F., **Michelangeli, F.**, Celant, A., Magri, D., 2023. Opposite trends of tree cover changes in the Mediterranean Basin around the 4.2 ka BP event. XXI INQUA congress time for change.

Palaeoenvironmental dynamics and human-landscape interactions at the Bolsena Lake (Central Italy) between the 2nd millennium and 5th century BCE

Babbi, A., Celant, A., Guarino, P.M., Lucarini, M., **Michelangeli, F.**, 2023. Palaeoenvironmental dynamics and human-landscape interactions at the Bolsena Lake (Central Italy) between the 2nd millennium and 5th century BCE. XXI INQUA congress time for change.

The Bisenzio Project: transdisciplinary investigation strategies to reconstruct human and palaeoenvironmental history of the Bolsena Lake (Central Italy)

Babbi, A., Bravi, S., Celant, A., Guarino, P.M., Lucarini, M., Maggi, M., **Michelangeli, F.**, Vizzini, G., 2023. The Bisenzio Project: transdisciplinary investigation strategies to reconstruct human and palaeoenvironmental history of the Bolsena Lake (Central Italy). XXI INQUA congress time for change.

Multidisciplinary analysis of the sedimentary succession at San Giuliano Lake (Matera, Southern Italy): sedimentological, biostratigraphic and palaeoecological reconstruction

Amore, F. O., Argeni, C., Faranda, C., Ferraro, L., Gliozzi, E., Magri, D., **Michelangeli, F.**, Relvini, A., Russo, B., Siciliano, J., Vallefucio, M., Meo, A., Senatore, M. S., 2023. Multidisciplinary analysis of the sedimentary succession at San Giuliano Lake (Matera, Southern Italy): sedimentological, biostratigraphic and palaeoecological reconstruction. In: Cherin, M., Collareta, A., (eds) Abstract book of the XXIII Conference of the Italian Palaeontological Society (SPI).

Vegetation dynamics, land-use, and climate fluctuations in SE Sicily over the last 3000 years

Michelangeli, F., Di Rita, F., Lirer, F., Magri, D., 2022. Vegetation dynamics, land-use, and climate fluctuations in SE Sicily over the last 3000 years. In: McLoughlin, S. (ed) Book of abstract of the 11th European Paleobotany and Palinology Conference, 144 pp, ISBN 978-91-527-3433-9.

[2023]

Opposite trends of tree cover changes in the Mediterranean Basin around the 4.2 ka BP event

Di Rita, F., **Michelangeli, F.**, Celant, A., Magri, D., 2023. Opposite trends of tree cover changes in the Mediterranean Basin around the 4.2 ka BP event. XXI INQUA congress time for change.

Vegetation change in SE Sicily during the last 3000 years

Michelangeli, F., Di Rita, F., Lirer, F., Magri, D. - Vegetation change in SE Sicily during the last 3000 years. In: Vlachos, E. Penélope Cruzado-C., Crespo V. D., Ríos Ibañez M., Arnal F. A. M., Herraiz J. L., Gascó-Lluna F., Guerrero-Arenas R., and Ferrón H. G. (eds) (2021) Book of Abstracts of the 3rd Palaeontological Virtual Congress, 304 pp, ISBN 978-84-09-36657-6.

[2023]

Palaeoenvironmental dynamics and human-landscape interactions at the Bolsena Lake (Central Italy) between the 2nd millennium and 5th century BCE

Babbi, A., Celant, A., Guarino, P.M., Lucarini, M., **Michelangeli, F.**, 2023. Palaeoenvironmental dynamics and human-landscape interactions at the Bolsena Lake (Central Italy) between the 2nd millennium and 5th century BCE. XXI INQUA congress time for change.

[2023]

The Bisenzio Project: transdisciplinary investigation strategies to reconstruct human and palaeoenvironmental history of the Bolsena Lake (Central Italy). XXI INQUA congress time for change.

Babbi, A., Bravi, S., Celant, A., Guarino, P.M., Lucarini, M., Maggi, M., **Michelangeli, F.**, Vizzini, G., 2023. The Bisenzio Project: transdisciplinary investigation strategies to reconstruct human and palaeoenvironmental history of the Bolsena Lake (Central Italy). XXI INQUA congress time for change.

Vegetation history of Italy during the Roman expansion

Michelangeli, F., Di Rita, F., Magri, D., 2021. Vegetation history of Italy during the Roman expansion. In: Bernanrd, S. (2021) The Climate and the Roman conquest of Italy. Toronto, Canada.

A Late Holocene pollen record from marine sediments in SE Sicily

Michelangeli, F., Di Rita, F., Lirer, F., Magri, D., 2021. A Late Holocene pollen record from marine sediments in SE Sicily, in: Società Geologica Italiana (Ed.), GEOLOGY WITHOUT BORDERS - 90° Congresso della Società Geologica Italiana. Società Geologica Italiana. <https://doi.org/10.3301/ABSGI.2021.03>

A palaeoecological record of land-use changes in SE Sicily during the last 400 years

Michelangeli, F., Di Rita, F., Lirer, F., Magri, D.- A palaeoecological record of land-use changes in SE Sicily during the last 400 years. In: Florenzano A. & Clò E. (Eds.). 2021. Mediterranean Palynology Societies Symposium. Abstracts Book, p. 3-4. Modena, Italy. ISBN 9788894344219.

Analisi polliniche di sedimenti marini tardo-olocenici della Sicilia sudorientale

Michelangeli F., Di Rita F., Lirer F. & Magri D.- Analisi polliniche di sedimenti marini tardo-olocenici della Sicilia sudorientale. In: Chiocci F.L., Budillon F., Ceramicola S., Gamberi F., Loreto M.F., Senatore M.R., Spagnoli F., Sulli A. (eds) - Abstract Book della Società Geologica Italiana, "La geologia marina in Italia, Quarto Convegno dei Geologi Marini Italiani - Roma, 25-26 febbraio 2021", 83. <https://doi.org/10.3301/ABSGI.2021.01>

Potenzialità dei diagrammi pollinici marini nello studio di eventi climatici

Magri D., Di Rita F., **Michelangeli F.**, Lirer, F. - Potenzialità dei diagrammi pollinici marini nello studio di eventi climatici In: Chiocci F.L., Budillon F., Ceramicola S., Gamberi F., Loreto M.F., Senatore M.R., Spagnoli F., Sulli A. (eds) - Abstract Book della Società Geologica Italiana, "La geologia marina in Italia, Quarto Convegno dei Geologi Marini Italiani - Roma, 25-26 febbraio 2021", 82. <https://doi.org/10.3301/ABSGI.2021.01>

Pollen studies in Archaeometry

Michelangeli F., Chassouant L., Fundurulic A., Paladugu R., Celant A., Di Rita F., Magri D. (2019) Pollen studies in Archaeometry. Share Science, Rome, October 2019, N-57: https://web.uniroma1.it/fac_smfn/sites/default/files/ShareScience%20Posters.pdf

A compositional meta-analysis of pollen data reveals climate influence on vegetation in the Central Mediterranean region during the late Holocene

Michelangeli F., Di Rita F., Furlanetto G., Pini R., Ravazzi C., Vitale M., Magri D. (2019) A compositional meta-analysis of pollen data reveals climate influence on vegetation in the Central Mediterranean region during the late Holocene. 20th Congress of the International Union for Quaternary Research (INQUA), Dublin, July 2019, P-3498: <https://app.oxfordabstracts.com/events/574/program-app/submission/93953>

Amphi-Adriatic persistence, extinction and divergence of tree populations during the Quaternary

Magri D., Di Rita F., **Michelangeli F.** (2019) Amphi-Adriatic persistence, extinction and divergence of tree populations during the Quaternary. 1st International Meeting on the Amphi-Adriatic flora and vegetation, Rome, May 2019

NETWORKS AND MEMBERSHIPS

Museo di Storia Naturale – Via Giorgio La Pira, 4 - 50121 FIRENZE

AIQUA – Italian Association for the Study of the Quaternary

[2019 – Current] University of Bern, Main Building Hochschulstrasse 4 3012 Bern Switzerland

PAGES Network-Past Global Changes

Write here the description...

Link: <https://pastglobalchanges.org/>

SCIENTIFIC COLLABORATIONS

[2023 – Current]

UNIMORE-University of Modena and Reggio Emilia

Department of Chemical and Geological Sciences

Prof. Luigi Bruno

Study of Quaternary stratigraphic sequence from the Po Plain

[2023 – Current]

Alma Mater Studiorum University of Bologna

Department of Biological, Geological, and Environmental Sciences

Prof. Alessandro Amorosi

Prof. Veronica Rossi

Sampling and study of long Quaternary stratigraphic successions from the Po Plain

[2021 – Current]

University of Murcia

Laboratory of Palynology and Environmental Studies, Department of Vegetal Biology. Research team ECCE HOMO (Evolución Cenozoico Cuaternario Ecología Homo).

Prof. J. S. Carrión

Dr J. T. Ochando

[2022 – Current]

Univeristy of Sannio

Department of Sciences and Technologies.

Prof. M.R. Senatore

Dr Agostino Meo

Coring campaign and sedimentological, biostratigraphic and palaeoecological reconstruction of the Pleistocene sequences from the San Giuliano Lake area (Matera, Italy)

[2022 – Current]

Parco Archeologico del Colosseo

Colosseum (Rome)

Dr F. Rinaldi, Dr M. Almonte

pollen analysis from sewer organic sediment from the drainage system of the Colosseum

[2021 – Current]

Parco Archeologico del Colosseo

Domus Tiberiana (Palatino Hill, Rome)

Dr F. Coletti

Pollen analysis from Roman amphorae

[2017 – Current]

Istituto di Scienze Marine ISMAR-CNR of Naples

Pollen analysis of marine sediment cores from the Central Mediterranean

[27/01/2021 – 29/01/2021]

Soprintendenza Archeologia, Belle Arti e Paesaggio per l'area metropolitana di Roma, la provincia di Viterbo e l'Etruria meridionale

Coring campaign of lake sediments from the Bolsena Lake, Gran Carro archaeological site

[2019 – 2021]

ERC project TIMED

Study of past climatic variability and environmental changes in the Mediterranean Basin

[06/05/2019 – 11/05/2019]

Centre Européen de Recherche et d'Enseignement des Géosciences de l'Environnement (CEREGE) del Centre National de la Recherche Scientifique (CNRS) of Aix-en-Provence

Geological/botanical survey and coring campaign of lagoon sediment in the Aleria site (Corsica)

[22/05/2018 – 23/05/2018]

University of Perugia

Geological/botanical survey and coring campaign of Pleistocene lacustrine samples in the Pantalla area (PG)

[05/02/2022 – Current]

Istituto superiore per la protezione e la ricerca ambientale ISPRA

Coring campaign of lacustrine sediments and study of the past environmental dynamics of the Bolsena Lake (VT, Italy)

[05/02/2022 – Current]

Leibniz-Zentrum für Archäologie (LEIZA) - Dr. Babbi

Coring campaign of lacustrine sediment in the Bolsena Lake, Bisenzio archaeological site

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

French

LISTENING B1 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Digital Skills - Test Results

	Information and data literacy	ADVANCED	Level 6 / 6
	Communication and collaboration	ADVANCED	Level 5 / 6
	Digital content creation	ADVANCED	Level 5 / 6
	Safety	ADVANCED	Level 6 / 6
	Problem solving	ADVANCED	Level 6 / 6

Results from [self-assessment](#) based on [The Digital Competence Framework 2.1](#)

My Digital Skills

Statistical software

R (Statistics) / Q-Gis / Paleontological Statistical Tool (PAST) and XLSTAT / ENVI / Multivariate analysis of ecological data (CANOCO PAST) / Psimpoll / Bayesian chronological modeling software (OxCal, CalPal, BCal) / Calib810 / CiteSpace / VOSViewer

Graphics and editing

Corel Draw 2020 (Advanced skills) / Inkscape, Gimp / Adobe Photoshop / Blender, 3D modeling / Filmora9

General and other

Microsoft Office / Zotero (scientific literature managing software) - advanced / Google Drive / Cloud-based collaborative tools (Google Drive, Dropbox, Teams) / Skype / Zoom / Social Media (Facebook, Twitter, Instagram, LinkedIn)

Databases

NOAA / NeotomaDB / European Pollen Database EPD / IUCN databases / Research and downloading data from big databases (GBIF, USGS..)

DRIVING LICENCE

Driving Licence: AM

Driving Licence: B

OCCUPATIONAL HEALTH AND SAFETY TRAINING

[07/01/2025]

Salute e sicurezza sul Lavoro – formazione generale lavoratori ed equiparati

Sapienza University of Rome

Link: <https://openbadges.bestr.it/public/assertions/gJlqWYbpR6SRIR5zHi7kHw>

[15/03/2023]

Formazione generale dei Lavoratori su Sicurezza e Salute

University of Bologna