



Donatella Magri - short CV

Present position

- Full Professor of Systematic Botany at the Department of Environmental Biology, Sapienza University of Rome

Qualifications

- 2014: Qualification as Full Professor in Systematic Botany
- 2000: Qualification as Associate Professor in Systematic Botany

Academic assignments (last five years)

- Director of the Herbarium (RO), Sapienza University (2018-)
- Sapienza University contact person for Europe (DR 895/21 prot.n. 0023714) (2020-)
- Director (Sapienza University of Rome) of the MSc Programme in Archaeological Material Science (since 2018)
- Academic Coordinator for international Mobility for the CIVIS network (<https://www.uniroma1.it/en/pagina/mobilita-civis>), Faculty Mathematical, Physical and Natural Sciences, Sapienza University of Rome (2019-) and Member of the Hub 1 Council (Climate, Environment and Energy)
- Vice-Dean of the Faculty Mathematical, Physical and Natural Sciences, Sapienza University of Rome (2018-2019)

Research activity

Palaeobotanical and palynological investigations on Quaternary deposits from Mediterranean regions, with particular attention to:

- a) history of Quaternary plant biodiversity in the Mediterranean Basin: multidisciplinary studies of pollen records of the last 2 million years
- b) anthropogenic impact on European vegetation in the last thousands of years, with particular attention to coastal areas and the spread of cultivated taxa, with a perspective in biodiversity conservation
- c) times and modes of evolutionary processes in plant populations at time scales of 10^2 - 10^6 years, through the study of long-term persistence, extinction, turnover and bottleneck events of tree populations (e.g., *Fagus*, *Buxus*, *Abies*, *Picea*, *Sciadopitys*, *Eucommia*, *Tsuga*, *Carya*, *Parrotia*, *Cedrus*)
- d) integration of palaeobotanical and genetic analyses on a European scale, to evaluate the genetic consequences of the survival of tree taxa in glacial refuges (*Fagus*), to confirm the autochthony of taxa (*Cupressus*), to verify the relationship between paleobiogeography and genetic differentiation (*Q. suber*), define the genetic

differentiation times of tree taxa (*Q. cerris*, *Abies*), and study ancient DNA in fossil materials.

Metrics

- Scopus: documents 122; citations 5623 by 3865 documents; h -index: 38
- Web of Science: documents 91; citations 5026 by 3522 documents; h -index: 37
- Researchgate: https://www.researchgate.net/profile/Donatella_Magri
- ORCID: 0000-0001-7254-593X
- Included in the top 2% career-long world scientist, updated to end-of-2019 <https://data.mendeley.com/datasets/btchxktzyw/2>

International projects (ongoing)

- ERASMUS MUNDUS Joint Master in Archaeological Materials Science (ARCHMAT) (EU-EACEA 101082567- ERASMUS-EDU-2022-PEX-EMJM-MOB); beneficiary partner - Sapienza University of Rome (total financing: € 5,244,000) duration: 1 Oct 2022-30 Nov 2028 (<http://www.erasmusmundus-archmat.uevora.pt/>)
- ERASMUS MUNDUS Joint Master in Archaeological Materials Science (ARCHMAT) (EU-EACEA 599247-EPP-1-2018-1-PT-EPPKA1-JMD-MOB); beneficiary partner - Sapienza University of Rome (total financing: € 4,346,000) duration: 1 Oct 2018-30 Sep 2023 (<http://www.erasmusmundus-archmat.uevora.pt/>)
- Marie Skłodowska-Curie Innovative Training Networks: (EU H2020-MSCA-ITN-2017-766311) (2018-2021): European Doctorate in ARchaeological and Cultural Heritage MATerials science (ED-ARCHMAT); Beneficiary parner, director of ESR-4 (financing ESR-4: € 258,062), duration: 1 Apr 2018-31 oct 2022 (<http://www.ed-archmat-eid.eu/>)
- Project Bisenzio (Web page: <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/>), Römisch-Germanisches Zentralmuseum di Mainz, Germany. Coordinator Dr Andrea Babbi.

Competitive National Projects (ongoing)

- -PRIN 22 “Climatic impact on terrestrial and marine realms of the eastern Mediterranean at the Plio-Pleistocene transition”. PI: Ivan Martini. Total financing: 235,093 euro, duration October 2023-September 2025
- PRIN 22 PNRR “TrAcking Long-term decline of forest biodiVErsity in Italy to support conservation actions (ALIVE)”. PI Federico Di Rita Total financing: 215,080 euro. duration 2023- 2025

International Editorial activity (ongoing)

- Editor of Quaternary Science Reviews (2020-)
- Editorial Board of Quaternary. MDPI Publ. (2017-)
- Associate editor of Annali di Botanica (Roma). International Journal of Environmental Science, Coenology and Plant Ecology (2011-)
- Editorial board of Journal of Mediterranean Earth Sciences. International Journal of Earth Sciences (2009-)
- Reviewer for over 160 articles in scientific ISI Journals (<https://publons.com/author/396144/donatella-magri#profile>)

Evaluator activity

- Doctorate Jury member in European Universities (Cambridge, Bordeaux, Montpellier, Stockholm, Bern, Zaragoza, Granada)
- Reviewer for scientific international Projects (EU Training & Mobility, NERC (UK), Swiss Nat. Sci. Foundation, L'Agence nationale de la recherche, Hungarian Scientific Research Fund, INQUA Subcommission HabCom, Czech Science Foundation, South Africa National Science Foundation)

Congresses

- participation in over 100 International Congresses
- Organization of symposia at international congresses, e.g., INQUA 2015 (Nagoya, Japan), INQUA 2019 (Dublin, Ireland)
- Organization team of the INQUA 2023 Congress (Rome, Italy)

Teaching

- Courses at Sapienza University:
 - Palaeobotany and Palynology
 - Systematic Botany
 - Environmental Archaeology, in English
 - Laboratory of Museology: cataloguing and multimedia
- Member of the Doctorate Board in Environmental and Evolutionary Biology, Sapienza University of Rome (2005-)
- Supervisor of 11 PhD students (5 international co-tutorings)

Publications (last 5 years)

Bernard, S., McConnell, J., Rita, F.D., Michelangeli, F., **Magri, D.**, Sadori, L., Masi, A., Zanchetta, G., Bini, M., Celant, A., Trentacoste, A., Lodwick, L., Samuels, J.T., Lippi, M.M., Bellini, C., Paparella, C., Peralta, D.P., Tan, J., van Dommelen, P., Giorgi, A.U.D., Cheung, C., 2023. An Environmental and Climate History of the Roman Expansion in Italy In 400 B.C.E., Rome was the largest of the Latin-speaking cities of western central Italy. Political power was monopolized by a group of religiously privileged land-. The Journal of Interdisciplinary History 54, 1–41. https://doi.org/10.1162/jinh_a_01971

Cherin, M., Basilici, G., Duval, M., Shao, Q., Sier, M.J., Parés, J.M., Gliozzi, E., Mazzini, I., **Magri, D.**, Di Rita, F., Iurino, D.A., Azzarà, B., Margaritelli, G., Pazzaglia, F., 2023. The dawn of the Late Villafranchian: Paleoenvironment and age of the Pantalla paleontological site (Italy; Early Pleistocene). Quaternary Science Reviews 316, 108279. <https://doi.org/10.1016/j.quascirev.2023.108279>

De Santis, S., Spada, F., **Magri, D.**, 2023. Geographic Range vs. Occurrence Records in Plant Distribution Mapping: The Case of *Arbutus* in the Old World. Forests 14, 1010. <https://doi.org/10.3390/f14051010>

Fundurulic, A., Manhita, A., Filipe, V.G., Henriques, J.P., Marques, A., Celant, A., **Magri, D.**, Barrocas Dias, C.B., 2023. Archaeological Evidence for the Dietary Practices and Lifestyle of 18th Century Lisbon, Portugal—Combined Steroidal Biomarker and Microparticle Analysis of the Carbonized Faecal Remains. Separations 10, 85. <https://doi.org/10.3390/separations10020085>

- Lancia, A., Gioffrè, A., Di Rita, F., **Magri, D.**, D'Ovidio, M.C., 2023. Aerobiological Monitoring in an Indoor Occupational Setting Using a Real-Time Bioaerosol Sampler. *Atmosphere* 14, 118. <https://doi.org/10.3390/atmos14010118>
- Park, D.S., et al., 2023. The colonial legacy of herbaria. *Nat Hum Behav* 7, 1059–1068. <https://doi.org/10.1038/s41562-023-01616-7>
- Rocca, R., Giannandrea, P., Pereira, A., Bahain, J.-J., Boschin, F., Da Costa, A., Di Rita, F., Fouriaux, F., Iannucci, A., Germond, L., Gioia, D., **Magri, D.**, Mecozzi, B., Nomade, S., Sardella, R., Schiattarella, M., Voinchet, P., Aureli, D., 2023. Multidisciplinary study of the Lower Palaeolithic site of Cimitero di Atella (Basilicata), Italy. *Quaternary International* S104061822300277X. <https://doi.org/10.1016/j.quaint.2023.09.004>
- Chassouant, L., Celant, A., Delpino, C., Di Rita, F., Vieillescazes, C., Mathe, C., **Magri, D.**, 2022. Archaeobotanical and chemical investigations on wine amphorae from San Felice Circeo (Italy) shed light on grape beverages at the Roman time. *PLoS ONE* 17, e0267129. <https://doi.org/10.1371/journal.pone.0267129>
- De Benedetti, C., Gerasimenko, N., Ravazzi, C., **Magri, D.**, 2022. History of *Tilia* in Europe since the Eemian: Past distribution patterns. *Review of Palaeobotany and Palynology* 307, 104778. <https://doi.org/10.1016/j.revpalbo.2022.104778>
- 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>
- Forti, L., Romano, L., Celant, A., D'Agostino, F., Rita, F.D., Jotheri, J., **Magri, D.**, Mazzini, I., Tentori, D., Milli, S., 2022. The paleoenvironment and depositional context of the Sumerian site of Abu Tbeirah (Nasiriyah, southern Mesopotamia, Iraq). *Quat. res.* 1–19. <https://doi.org/10.1017/qua.2022.22>
- Fundurulic, A., Valenti, I., Celant, A., Barbaro, B., Costa, M., Manhita, A., Severi, E., Barrocas Dias, C., **Magri, D.**, 2022. Millets and Cereal Meals from the Early Iron Age Underwater Settlement of “Gran Carro” (Bolsena Lake, Central Italy). *Sustainability* 14, 3941. <https://doi.org/10.3390/su14073941>
- Iannaccone, R., Antona, A., **Magri, D.**, Canu, A., Marceddu, S., Brunetti, A., 2022. First characterization of a Bronze Age textile fibre from Sardinia (Italy). *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 265, 120398. <https://doi.org/10.1016/j.saa.2021.120398>
- Michelangeli, F., Di Rita, F., Celant, A., Tisnérat-Laborde, N., Lirer, F., **Magri, D.**, 2022a. Three Millennia of Vegetation, Land-Use, and Climate Change in SE Sicily. *Forests* 13, 102. <https://doi.org/10.3390/f13010102>
- Michelangeli, F., Di Rita, F., Lirer, F., Lubritto, C., Bellucci, L.G., Cascella, A., Bonomo, S., Margaritelli, G., **Magri, D.**, 2022b. Vegetation history of SE Sicily from feudal land management to post-war agricultural industrialization. *Review of Palaeobotany and Palynology* 296, 104547. <https://doi.org/10.1016/j.revpalbo.2021.104547>
- Chassouant, L., Olmer, F., Delpino, C., Celant, A., Vieillescazes, C., **Magri, D.**, Mathe, C., 2021. Protocol Comparison for Organic Residue Analyses from Waterproofing Materials and Shards of Roman Archaeological Amphorae 15.
- Lancia, A., Capone, P., Vonesch, N., Pelliccioni, A., Grandi, C., **Magri, D.**, D'Ovidio, M.C., 2021. Research Progress on Aerobiology in the Last 30 Years: A Focus on Methodology and Occupational Health. *Sustainability* 13, 4337. <https://doi.org/10.3390/su13084337>
- Aranbarri, J., Alcolea, M., Badal, E., Vila, S., Allué, E., Iriarte-Chiapusso, M.J., Sebastián, M., **Magri, D.**, González-Sampériz, P., 2020. Holocene history of Aleppo pine (*Pinus*

halepensis Mill.) woodlands in the Ebro Basin (NE Spain): Climate-biased or human-induced? Review of Palaeobotany and Palynology 279, 104240. <https://doi.org/10.1016/j.revpalbo.2020.104240>

Davis, Basil A. S., et al. 2020. The Eurasian Modern Pollen Database (EMPD), version 2. Earth Syst. Sci. Data 12, 2423–2445. <https://doi.org/10.5194/essd-12-2423-2020>

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Lurcock, P., Florindo, F., Bonomo, S., Cascella, A., Di Rita, F., Ferraro, L., Domenica Insinga, D., **Magri, D.**, Margaritelli, G., Pelosi, N., Petrosino, P., Vallefuoco, M., Cosentino, C., Lirer, F., 2020. A 4,500-year record of palaeomagnetic secular variation and relative palaeointensity from the Tyrrhenian Sea. Geological Society, London, Special Publications 497, 159–178. <https://doi.org/10.1144/SP497-2019-255>

Magri, D., Parra, I., Di Rita, F., Ni, J., Shichi, K., Worth, J.R.P., 2020. Linking worldwide past and present conifer vulnerability. Quaternary Science Reviews 250, 106640. <https://doi.org/10.1016/j.quascirev.2020.106640>

Zaia, R., Pasta, S., Di Rita, F., Laudicina, V.A., Cascio, P.L., **Magri, D.**, Troia, A., Guarino, R., 2020. Staying alive on an active volcano: 80 years population dynamics of *Cytisus aeolicus* (Fabaceae) from Stromboli (Aeolian Islands, Italy). Ecol Process 9, 64. <https://doi.org/10.1186/s13717-020-00262-5>

Bini, M., Zanchetta, G., Persoiu, A., Cartier, R., Català, A., Cacho, I., Dean, J.R., Di Rita, F., Drysdale, R.N., Finnè, M., Isola, I., Jalali, B., Lirer, F., **Magri, D.**, Masi, A., Marks, L., Mercuri, A.M., Peyron, O., Sadori, L., Sicre, M.-A., Welc, F., Zielhofer, C., Brisset, E., 2019. The 4.2 ka BP Event in the Mediterranean region: an overview. Clim. Past 15, 555–577. <https://doi.org/10.5194/cp-15-555-2019>

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. Geogr. Fis. Dinam. Quat. 42, 203–214. <https://doi.org/10.4461/GFDQ.2019.42.10>

Di Rita, F., **Magri, D.**, 2019. The 4.2 ka event in the vegetation record of the central Mediterranean. Climate of the Past 15, 237–251. <https://doi.org/10.5194/cp-15-237-2019>

Lirer, F., Margaritelli, G., Alberico, I., Bonomo, S., Capotondi, L., Cascella, A., Rita, F.D., Ferraro, L., Insinga, D.D., **Magri, D.**, Pelosi, N., Petrosino, P., Vallefuoco, M., 2019. Climatic variability over the last two millennia in the Mediterranean area: A review from marine paleoarchives. Geogr. Fis. Dinam. Quat. 42, 215–224. <https://doi.org/10.4461/GFDQ.2019.42.11>

- Magri, D.**, Celant, A., Di Rita, F., 2019. The vanished *Alnus*-dominated forests along the Tyrrhenian coast. CATENA 182, 104136. <https://doi.org/10.1016/j.catena.2019.104136>
- Stoddart, S., Woodbridge, J., Palmisano, A., Mercuri, A.M., Mensing, S.A., Colombaroli, D., Sadori, L., **Magri, D.**, Di Rita, F., Giardini, M., Mariotti Lippi, M., Montanari, C., Bellini, C., Florenzano, A., Torri, P., Bevan, A., Shennan, S., Fyfe, R., Roberts, C.N., 2019. Tyrrhenian central Italy: Holocene population and landscape ecology. The Holocene 29, 761–775. <https://doi.org/10.1177/0959683619826696>
- Bizzarri, R., Corrado, P., **Magri, D.**, Martinetto, E., Esu, D., Caprai, V., Colacicchi, R., Napoleone, G., Albianelli, A., Baldanza, A., 2018. Palaeoenvironmental and climatic inferences from the late early Pleistocene lacustrine deposits in the eastern Tiberino Basin (central Italy). Quaternary Research 1–21. <https://doi.org/10.1017/qua.2018.41>
- Di Rita, F., Fletcher, W.J., Aranbarri, J., Margaritelli, G., Lirer, F., **Magri, D.**, 2018a. Holocene forest dynamics in central and western Mediterranean: periodicity, spatio-temporal patterns and climate influence. Scientific Reports 8, 8929. <https://doi.org/10.1038/s41598-018-27056-2>
- Di Rita, F., Lirer, F., Bonomo, S., Cascella, A., Ferraro, L., Florindo, F., Insinga, D.D., Lurcock, P.C., Margaritelli, G., Petrosino, P., Rettori, R., Vallefuoco, M., **Magri, D.**, 2018b. Late Holocene forest dynamics in the Gulf of Gaeta (central Mediterranean) in relation to NAO variability and human impact. Quaternary Science Reviews 179, 137–152. <https://doi.org/10.1016/j.quascirev.2017.11.012>
- Mariotti Lippi, M., Florenzano, A., Rinaldi, R., Allevato, E., Arobba, D., Bacchetta, G., Bal, M.-C., Bandini Mazzanti, M., Benatti, A., Beneš, J., Bosi, G., Buonincontri, M., Caramiello, R., Castelletti, L., Castiglioni, E., Celant, A., Clò, E., Costantini, L., Di Pasquale, G., Di Rita, F., Fiorentino, G., Furlanetto, G., Giardini, M., Grillo, O., Guido, M., Herchenbach, M., **Magri, D.**, Marchesini, M., Maritan, M., Marvelli, S., Masi, A., Miola, A., Montanari, C., Montecchi, M.C., Motella, S., Nisbet, R., Orrù, M., PeñaChocarro, L., Pepe, C., Perego, R., Rattighieri, E., Ravazzi, C., Rottoli, M., Rowan, E., Sabato, D., Sadori, L., Sarigu, M., Torri, P., Ucchesu, M., Mercuri, A.M., 2018. The Botanical Record of Archaeobotany Italian Network - BRAIN: a cooperative network, database and website. Flora Mediterranea 28, 365–374. <https://doi.org/10.7320/FIMedit28.365>
- Margari, V., Roucoux, K., **Magri, D.**, Manzi, G., Tzedakis, P.C., 2018. The MIS 13 interglacial at Ceprano, Italy, in the context of Middle Pleistocene vegetation changes in southern Europe. Quaternary Science Reviews 199, 144–158. <https://doi.org/10.1016/j.quascirev.2018.09.016>