

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name	GIOVANNA BOSI
Address	UNIVERSITA' DI MODENA E REGGIO EMILIA (UNIMORE) – DIPARTIMENTO DI SCIENZE DELLA VITA (DSV) - LABORATORIO DI PALINOLOGIA E PALEOBOTANICA (LPP) - VIA CAMPI 287, 41125 - MODENA
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Nationality	Italian
Date of Birth	13/03/1967

CURRENT WORK

- Dates (from - to) 2008 - today
- Name and address of the employer University of Modena and Reggio Emilia – Department of Life Sciences
- Type of sector **Environmental and Applied Botany (BIO5-01/C)**
- Occupation or position held **Researcher (PhD)**
- Main activities 1.research (Laboratory of Palynology and Palaeobotany - LPP); 2. public engagement (LPP and other partnerships); 3. teaching (Master in Quaternary Prehistory Archaeology); 4. member of UNIMORE Ethics Commission

EDUCATION AND TRAINING

- Dates (from - to) 2001 - 2008
- Name and type of organisation providing education and training University of Modena and Reggio Emilia
- Principal subjects/occupational skills covered Archaeobotanical research and public engagement activities
- Title of qualification awarded **Post Doc (research grants) and contracts**
- Dates (from - to) 1998 – 2000
- Name and type of organisation providing education and training University of Firenze
- Principal subjects/occupational skills covered Archaeobotanical research
- Title of qualification awarded **PhD in Biosystematics and Ecology of Plants**
- Dates (from - to) 1987 - 1996
- Name and type of organisation providing education and training University of Modena
- Title of qualification awarded **Master in Natural Sciences**

**PERSONAL SKILLS AND
COMPETENCES**

MOTHER TONGUE	ITALIAN
OTHER LANGUAGES	ENGLISH, FRENCH (either basic)

SCIENTIFIC SKILLS	- research interests (5 key words): archaeobotany, ethnobotany, seeds/fruits, useful and synanthropic plants, botany museology
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AND COMPETENCES

- author of about 200 publications (see IRIS UNIMORE – “Prodotti”)
- supervisor or co-supervisor of 65 theses (bachelor, master and PhD);
- member of board PhD: 2009 – 2012 “Earth System Sciences: Environment, Resources and Cultural Heritage” (UNIMORE); 2013 – 2017 “Models and Methods for Materials and Environmental Sciences” (UNIMORE); 2018 – 2024 “Human Sciences” (UNIFE);
- she taken a part to: **A**) until year 2008: Research programs about Archaeobotany of MURST and CNR (Committee Science and Technology of Cultural Heritage; SINAPSI); EU Project “Cultural Landscapes of the Past: recovering crop fields and gardens” (Culture 2000: 2005-2006); EU Project “PaCE – Plants and Culture: seeds of the Cultural Heritage of Europe” (Culture Program 2007-2013; 2007-2009. **B**) from year 2009: 1) PRIN 2008 (Project of National Research; prot. 2008FJCEF4 – 2010-2011): “PICAR - Cultural landscAPe and human Impact in Circum-mediterranean countries: multidisciplinary Archaeobotanical research for environmental, phylogeographic, climatic and virtual Reconstructions” (UNIMORE); 2) “AGRESTE (2010-2011): Project BQR ‘Amorçage de Réseaux de Recherche Internationaux’ - réseAu Gestion des Ressources Environnementales par les Sociétés dans les Territoires du passé” (Université de Limoges – FR); 3) “AGRESPE (2012-2014): Project ‘Consolidation Action en cours’ AGRESPE – réseAu Gestion de Ressources Environnementales passées et Patrimonialisation paysagère” (Université de Limoges – FR); 4) Project “Excavating the Roman Peasant” (2010-2015)- award nr. 1063447 (University of Pennsylvania/Loeb Classical Foundation/National Science Foundation); 5) PRIN 2015 (Project of National Research; prot. 20158KBNLB – 2017-2019): “SUCCESSO-TERRA - Human Societies, Climatic/Environmental Changes and Exploitation/Sustainability of Natural Resources in the Po Plain during the Mid-Holocene. The case study of the Terramare culture” (UNIMI); 6) Project PNRR (2022-2026) “NATIONAL BIODIVERSITY FUTURE CENTER - NBFC” (Spoke 3 - UNIMORE) cod. CN00000033– CUP E93C22001090001 - PIANO NAZIONALE DI RIPRESA E RESILIENZA (PNRR);
- PI (for botany) in istitutional research projects (with funding): 1) “Il patrimonio archeobotanico e archeoambientale di *Mutina* e del suo territorio” (2016-2018); 2) “Prima della Cattedrale: ricerche e indagini sul sito UNESCO di Modena tra tardo antico e alto Medioevo” (2019-2021);
- since 2006: teaching courses (i.e., Botany Education, Botany Applied, ...) in UNIMORE; since 2016: teaching course "Archaeobotany" for the master's degree "Quaternary Prehistory Archaeology" (UNIFE/UNIMORE/UNIVR/UNITR);
- ASN data (see IRIS UNIMORE: “Simulazione ASN”: 1) National Scientific Qualification for associate professorship – achieved; 2) requirements for full professorship - yes; 3) requirements for commissioner role – yes;
- from 1996 to 2016 she has conceived/collaborated over 200 public engagement (PE) actions; from 2017 to 2023 in 120 PE actions recorded in IRIS UNIMORE (see “Terza Missione - Public Engagement”) (also with funding and institutional agreements).

PUBLICATION INDEXES (SCOPUS) (to 31 July 2024)

- NUMBER OF PUBLICATIONS: 46
- TOTAL NUMBER OF CITATIONS: 981
- H-INDEX: 16

MOST RELEVANT PUBLICATIONS
in the last 10 years (2015-2024)

1. **Bosi G.**, Mercuri A.M., Bandini Mazzanti M., Florenzano A., Montecchi M.C., Torri P., Labate D., Rinaldi R. (2015) The evolution of Roman urban environments through the archaeobotanical remains in Modena – N-Italy. *Journal of Archaeological Sciences*, 53: 19-31. <https://doi.org/10.1016/j.jas.2014.09.020>
2. **Bosi G.**, Benatti A., Rinaldi R., Dallai D., Santini C., Carbognani M., Tomaselli M., Bandini Mazzanti M. (2015) The memory of water: archaeobotanical evidence of wetland plants from Modena (Emilia-Romagna, N-Italy) and palaeoecological remarks. *Plant Biosystems*, 149 (1): 144-153. <https://doi.org/10.1080/11263504.2014.998310>
3. Mercuri A.M., Allevato E., Arobba D., Bandini Mazzanti M., **Bosi G.**, Caramiello R., Castiglioni E., Carra M.L., Celant A., Costantini L., Di Pasquale G., Fiorentino G., Florenzano A., Guido M., Marchesini M., Mariotti Lippi M., Marvelli S., Miola A., Montanari M., Nisbet R., Pena-Chocarro L., Perego R., Ravazzi C., Rottoli M., Sadori L., Uccesu M., Rinaldi R. (2015) Pollen and macroremains from Holocene archaeological sites: a dataset for the understanding of the bio-cultural diversity of the Italian landscape. Review of Palaeobotany and Palynology, 218: 250-266. <https://doi.org/10.1016/j.revpalbo.2014.05.010>
4. Wales N., Ramos Madrigal J., Cappellini E., Carmona Baez A., Samaniego Castruita J.A., Romero-Navarro J.A., Carøe C., Avila-Arcos M.C., Penaloza F., Moreno-Mayar J.V., Gasparyan B., Zardaryan D., Bagoyan T., Smith A., Pinhasi R., **Bosi G.**, Fiorentino G., Grasso A.M., Celant A., Bar-Oz G., Tepper Y., Hall A., Scalabrin S., Miculan M., Morgante M., Di Gaspero G., Gilbert M.T.P. (2016) The limits and potential of paleogenomic techniques for reconstructing grapevine domestication. *Journal of Archaeological Sciences*, 72: 57-70. <https://doi.org/10.1016/j.jas.2016.05.014>
5. Danin A., Buldrini F., Bandini Mazzanti M., **Bosi G.**, Caria M.C., Dandria D., Lanfranco E., Mifsud S., Bagella S. (2016) Diversification of *Portulaca oleracea* L. complex in the Italian peninsula and adjacent islands. *Botany Letters*, 163 (3): 261-272. <https://doi.org/10.1080/23818107.2016.1200482>
6. **Bosi G.**, Bandini Mazzanti M., Montecchi M.C., Torri P., Rinaldi R. (2017) The life of a Roman colony in N-Italy: ethnobotanical information from archaeobotanical analysis. *Quaternary International*, 460: 135-156. <http://dx.doi.org/10.1016/j.quaint.2016.08.008>
7. Zerboni A., Mori L., Bosi G., Buldrini F., Bernasconi A., Gatto M.C., Mercuri A.M. (2017) Domestic firing activities and fuel consumption in a Saharan oasis: micromorphological and archaeobotanical evidence from the Garamantian site of Fewet (Central Sahara, SW-Libya). *Journal of Arid Environments*, 144: 123-138. <http://dx.doi.org/10.1016/j.jaridenv.2017.03.012>
8. **Bosi G.**, Herchenbach M., Buldrini F., Rinaldi R., Bandini Mazzanti M. (2017) On the trail of date-plum (*Diospyros lotus* L.) in Italy and its first archaeobotanical evidence. *Economic Botany*, 71(2): 133-146. <http://doi:10.1007/s12231-017-9377-z>
9. Lugli F., Brunelli D., Cipriani A., **Bosi G.**, Traversari M., Gruppioni G. (2017) C4-plant foraging in N-Italy: stable isotopes, Sr/Ca and Ba/Ca data of human osteological samples from Roccapelago (16th-18th century AD). *Archaeometry*, 59 (6): 1119-1134. <https://doi.org/10.1111/arcm.12295>
10. Vicentini C.B., Buldrini F., **Bosi G.**, Romagnoli C. (2018) "Spigo nardo": from the Erbario Estense a possible solution for its taxonomical attribution. *Rendiconti Lincei. Scienze Fisiche e Naturali*, 29: 909-921. <https://doi.org/10.1007/s12210-018-0739-y>
11. **Bosi G.**, Labate D., Rinaldi R., Montecchi M.C., Mazzanti M., Torri P., Riso F.M., Mercuri A.M. (2019) A survey of the Late Roman period (3rd-6th century AD): pollen, NPPs and seeds/fruits for reconstructing environmental and cultural changes after the floods in N-Italy. *Quaternary International*, 499: 3-23. <https://doi.org/10.1016/j.quaint.2018.02.002>
12. Borgatti L., **Bosi G.**, Bracci A.E., Cremonini S., Falsone G., Guandalini F., Labate D., Mainardi G., Martinelli G., Montecchi M.C., Pieraccini D. (2019) Evidence of late-Holocene mud-volcanic eruptions in the Modena foothills (N-Italy). *The Holocene*, 29 (6): 975-991. <https://doi.org/10.1177/0959683619831418>
13. Benatti A., Bal M., Allée P., **Bosi G.**, Mercuri A.M. (2019) Plant landscape reconstruction above the current timberline at the Monte Cimone and Corno alle Scale mountain areas (N-Apennines, Italy) during the Late Holocene: the evidence from soil charcoal. *The Holocene*, 29 (11): 1767-1781. <https://doi.org/10.1177/0959683619862033>
14. **Bosi G.**, Castiglioni E., Rinaldi R., Mazzanti M., Marchesini M., Rottoli M. (2020) Archaeobotanical evidence of food plants in N-Italy during the Roman period. *Vegetation History and Archaeobotany*, 29: 681-697. <https://doi.org/10.1007/s00334-020-00772-4>
15. Filipović D., Meados J., Dal Corso M., Kirleis W., Aisleben A., Akeret Ö., Bittman F., **Bosi G.**, Ciută B., Dreslerová D., Effenberger H., Gyulai F., Heis A., Hellmund M., Jahns S., Jakobitsch T., Kapcia M., Kloob S., Kohler-Schneider M., Kroll H., Makarowicz P., Marinova E., Märkle T., Medović A., Mercuri A.M., Müller-Bieniek A., Nisbet R., Pashkevich G., Perego R., Pokorný P., Pospieszny L., Przybyła M., Reed K., Rennwanz J., Stika H.P., Stobbe A., Tolar T., Wiethold J., Wasylikowa K., Zerl T. (2020) Did it spread like wildfire? 100+ new AMS 14C dates trace the arrival and spread of broomcorn millet cultivation in prehistoric Europe. *Scientific Report*, 10: 13698. <https://doi.org/10.1038/s41598-020-70495-z>
16. Vicentini C.B., Buldrini F., Romagnoli C., **Bosi G.** (2020) Tobacco in the Erbario Estense and other Renaissance evidences of the Columbian taxon in Italy. *Rendiconti Lincei. Scienze Fisiche e Naturali*, 31: 1117-1126. <https://doi.org/10.1007/s12210-020-00959-x>
17. Pecci A., Borgna E., Mileto S., Dalla Longa E., **Bosi G.**, Florenzano A., Mercuri A.M., Corazza S., Marchesini M., Vidale M. (2020) Looking for wine consumption in Bronze Age NE-Italy: combining organic residue analysis, botanical data and ceramic variability. *Journal of Archaeological Sciences*, 123: 105256. <https://doi.org/10.1016/j.jas.2020.105256>
18. Tirelli G., **Bosi G.**, Galli A., Hajdas I., Lindroos A., Martini M., Maspero F., Mazzanti M., Olsen J., Panzeri L., Ringbom Å, Sibilia E., Silvestri E., Torri P., Lugli S. (2021on-line – 2023 print) A chronology of ancient earthquake damage in the Modena cathedral (Italy): integrated dating of mortars (14C, pollen record) and bricks (TL). *Journal of Architectural Heritage*, 17 (2): 326-342. <https://doi.org/10.1080/15583058.2021.1922783>
19. Martinetto E., Ardenghi N.M.G., Arobba D., Bertini A., **Bosi G.**, Caramiello R., Castiglioni E., Florenzano A., Hvalj A.V., Kromer B., Maritan M., Mazzanti M., Macaluso L., Miola A., Perego R., Ravazzi C., Rinaldi R., Rottoli M., Talamo S., Mercuri A.M. (2021) Integrating palaeo- and

- archaeobotanical data for a synthesis of the Italian fossil record of *Lycopus* (Lamiaceae, Mentheae). *Phytotaxa*, 513: 1-29. <https://doi.org/10.11646/phytotaxa.513.1.1>
20. Sarigu M., Sabato D., Uccesu M., Loi M.C., Orrù M., **Bosi G.**, Grillo O., Barros Torres S., Bacchetta G. (2022) Discovering plum, watermelon and grape cultivars founded in a Middle Age site of Sassari (Sardinia, Italy) through a computer image analysis approach. *Plants*, 11: 1089. <https://doi.org/10.3390/plants11081089>
 21. **Bosi G.**, De Felice S., Wilkinson M.J., Allainguillaume J., Arru L., Nascimbene J., Buldrini F. (2022) *Brassica* and *Sinapis* seeds in medieval archaeological sites: an example of multiproxy analysis for their identification and ethnobotanical interpretation. *Plants*, 11: 2100. <https://doi.org/10.3390/plants11162100>
 22. Bal M.C., Benatti A., **Bosi G.**, Florenzano A., Garcia-Alvarez S., Mercuri A.M., Rubiales J.M. (2023) Pedoanthracology sheds light on the ancient pastoral highlands of three Mediterranean mountain areas: Sierra de Gredos (Spain), southeast Massif Central (France), and N-Apennines (Italy). *Catena*, 223: 14p. <https://doi.org/10.1016/j.catena.2023.106941>
 23. **Bosi G.**, Castiglioni E. Mazzanti M., Rottoli M. (2023 on-line) New crops in the 1st millennium CE in N-Italy. *Vegetation History and Archaeobotany*. <https://doi.org/10.1007/s00334-023-00955-9>
 24. Fuks D., Schmidt F., Garcia-Collado M.I., Besseiche M., **Bosi G.**, Bouchuad C., Castiglioni E., Dabrowski V., Frumin S., Fuller D., Hovsepyan R., Muthukumaran S., Payne N., Peña-Chocarro L., Pérez Jordà G., Ros J., Rottoli M., Ryan P., Spengler R., Stevens C., Valamoti S.M., Weiss E., Alexander M., Gros-Balthazard M. (2024 on-line) Orphan crops of archaeology-based crop history research. *Plants, People, Planet*: 1-28. <https://doi.org/10.1002/ppp3.10468>
 25. Vicentini C.B., Buldrini F., Romagnoli C., **Bosi G.** (2024) Exotic species in the Erbario Estense: new plants from the world to 16th century Italy. *Rendiconti Lincei. Scienze Fisiche e Naturali*, 35: 77-96. <https://doi.org/10.1007/s12210-024-01122-3>
 26. Mercuri A.M., Clò E., Zappa J., **Bosi G.**, Furia E., Ricucci C., Di Lena M., Camerini F., Florenzano A. (2024) BRAIN - Holocene archaeo-data for assessing plant-cultural diversity in Italy and other Mediterranean regions. *Scientific Data*, 11: 520. <https://doi.org/10.1038/s41597-024-03346-5>

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

Modena, 31/07/2024