

PERSONAL INFORMATION

Alessandro Sebastiani

📍 Via Anguillarese, 301, 00123 S.Maria di Galeria (Roma)

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✉ alessandro.sebastiani@enea.it

Male | Date of birth xx/xx/xxxx | Italian

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
☐ Mid-Management Level	☐ Associate Professor	☒ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

07/10/2024 – ongoing

Level III Researcher

ENEA, Department for Sustainability, Circularity and Climate Adaptation, Section of Integrated and Nature-Based Solutions for Urban Regeneration (SSPT-NATURB)
Via Anguillarese, 301, 00123 Rome – Italy

02/05/2023 – 06/10/2024

Level III Technologist

CNR, Research Institute on Terrestrial Ecosystems (CNR-IRET)
Via Salaria km 29,300, Montelibretti, 00015 Rome - Italy

01/11/2022 – 01/05/2023

Research fellow

CREA, Forestry and wood centre (CREA-FL)
Via Valle della Quistione, 27 – 00166 Rome - Italy

15/03/2022 – 31/10/2022

Technical officer

Italian Ministry of the Ecological Transition (MiTE)
Via Cristoforo Colombo, 44, 00147 – Rome - Italy

01/01/2021 – 13/03/2022

Research fellow

La Sapienza University of Rome. Department of Environmental Biology
Piazzale Aldo Moro, 5, 000185 - Rome - Italy

EDUCATION AND TRAINING

01/11/2017 - 28/04/2021 **Ph.D. in Environmental and Evolutionary Biology**
La Sapienza University of Rome

- Geospatial analysis, remote sensing, ecosystem services' assessment

01/11/2014 - 11/07/2017 **MSc in environmental monitoring and recovery (LM-75)**
La Sapienza University of Rome

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English (B2)

Job-related skills **GIS:** GRASS GIS; QGIS.

Remote Sensing: ESA SNAP; Sentinel-2; Landsat 8; Copernicus Global Land Service; Google Earth Engine

Statistical analysis: RStudio

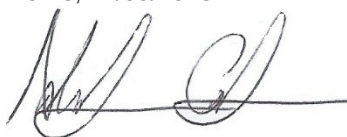
Higher Education & Training skills GeoComputation using free and open-source software. Coursed provided by Università degli Studi della Basilicata - Dipartimento delle Culture Europee e del Mediterraneo.

ADDITIONAL INFORMATION

- Relevant publications
- Sebastiani A., Bertozzi M., Vannini A., Morales-Rodriguez C., Vaglio Laurin G. (2024). Monitoring ink disease epidemics in chestnut and cork oak forests in central Italy with remote sensing data. *Remote Sensing Applications: Society and Environment*, 36, 101329. <https://doi.org/10.1016/j.rsase.2024.101329>.
- Nardella, L., Sebastiani, A., Stafoggia, M., Buonocore, E., Franzese, P. P., & Manes, F. (2024). Modeling regulating ecosystem services along the urban–rural gradient: A comprehensive analysis in seven Italian coastal cities. *Ecological Indicators*, 165, 112161. <https://doi.org/10.1016/j.ecolind.2024.112161>
- Fusaro, L., Nardella, L., Manes, F., Sebastiani, A., & Fares, S. (2023). Supply and demand mismatch analysis to improve regulating ecosystem services in Mediterranean urban areas: Insights from four Italian Municipalities. *Ecological Indicators*, 155, 110928. <https://doi.org/10.1016/j.ecolind.2023.110928>.
- Gaglio, M., Muresan, A. N., Sebastiani, A., Cavicchi, D., Fano, E. A., & Castaldelli, G. (2023). A “reserve” of regulating services: The importance of a remnant protected forest for human well-being in the Po delta (Italy). *Ecological Modelling*, 484, 110485. <https://doi.org/10.1016/j.ecolmodel.2023.110485>.
- Sebastiani, A.*, Salvati, R., & Manes, F. (2023). Comparing leaf area index estimates in a Mediterranean forest using field measurements, Landsat 8, and Sentinel-2 data. *Ecological Processes*, 12(1), 1-13. <https://doi.org/10.1186/s13717-023-00441-0>.
- Nardella, L., Sebastiani, A., Stafoggia, M., Franzese, P. P., & Manes, F. (2023). Modelling PM10 removal in three Italian coastal Metropolitan Cities along a latitudinal gradient. *Ecological Modelling*, 483, 110423. <https://doi.org/10.1016/j.ecolmodel.2023.110423>.
- Sebastiani, A.*, & Fares, S. (2023). Spatial prioritization of ecosystem services for land conservation: The case study of central Italy. *Forests*, 14(1), 145. <https://doi.org/10.3390/f14010145>.
- Lausi L., Amodio M., Sebastiani A.*, Fusaro L., Manes F. (2022). Assessing Cultural Ecosystem Services during the Covid-19 pandemic at the Garden of Ninfa (Italy). *Annali di Botanica*, 12, 63-75. DOI: <https://doi.org/10.13133/2239-3129/17681>.
- Muresan A., Sebastiani A.^, Gaglio M., Fano EA., Manes F. (2022). Assessment of air pollutants removal by green infrastructure and urban and peri-urban forests management for a greening plan in the Municipality of Ferrara (Po river plain, Italy). *Ecological Indicators* 135 (2022): 108554. DOI: <https://doi.org/10.1016/j.ecolind.2022.108554>.
- Sebastiani A.*, Marando F., Manes, F. (2021). Mismatch of Regulating Ecosystem Services for sustainable urban planning: PM10 removal and urban heat island effect mitigation in the Municipality of Rome (Italy). *Urban Forestry & Urban Greening*, 57, 126938. DOI: <https://doi.org/10.1016/j.ecolmodel.2018.11.011>.
- Sebastiani A.*, Buonocore E., Franzese PP., Riccio A., Chianese E., Nardella L., Manes, F. (2021). Modeling air quality regulation by green infrastructure in a Mediterranean coastal urban area: The removal of PM10 in the Metropolitan City of Naples (Italy). *Ecological Modelling*, 440, 109383. DOI: <https://doi.org/10.1016/j.ecolmodel.2020.109383>.
- Capotorti G., Bonacquisti S., Abis L., Aloisi I., Attorre F., Bacaro G., ... & Blasi, C. (2020). More nature in the city. *Plant Biosystems-An International Journal Dealing with all Aspects of Plant Biology*, 154(6), 1003-1006. DOI: <https://doi.org/10.1080/11263504.2020.1837285>.
- Marando F., Salvatori E., Sebastiani A., Fusaro L., Manes, F. (2019). Regulating ecosystem services and green infrastructure: assessment of urban heat island effect mitigation in the municipality of Rome, Italy. *Ecological Modelling*, 392, 92-102. DOI: <https://doi.org/10.1016/j.ecolmodel.2018.11.011>.
- Fusaro L., Marando F., Sebastiani A., Capotorti G., Blasi C., Copiz R., Congedo L., Munafò M., Ciancarella L., Manes F. (2017). Mapping and assessment of PM10 and O3 removal by woody vegetation at urban and regional level. *Remote sensing*, 9(8), 791. DOI: <https://doi.org/10.3390/rs9080791>.

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

Rome, 12/09/2025

A handwritten signature in black ink, appearing to be 'A. Sebastiani', written over a horizontal line.