

## Short CV Dr. Nicodemo Abate

### Dati personali

Name	Nicodemo
Surname	Abate
Place and date of birth	*****
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### Work Experience

From 1 Dec 2023 (ongoing)	Technologist (CNR – ISPC)
Nov 2021 to Nov 2023	“Assegno di ricerca post-doc” CNR-ISPC

### Scientific Education

A.A. 2018-2022	PhD CON BORSA PRESSO L'UNIVERSITÀ DEGLI STUDI DELLA BASILICATA. Università degli Studi della Basilicata
A.A. 2011 al 2014	LAUREA MAGISTRALE IN "SCIENZE DELL'ANTICHITÀ E DEL MEDIOEVO" Università degli Studi Suor Orsola Benincasa
A.A. 2008-2011	LAUREA TRIENNALE IN CONSERVAZIONE DEI BENI CULTURALI Università degli Studi Suor Orsola Benincasa

### The publications (most recent)

- Telesca, L.; Abate, N.; Lovallo, M.; Lasaponara, R. Investigating the Impact of Xylella Fastidiosa on Olive Trees by the Analysis of MODIS Terra Satellite Evapotranspiration Time Series by Using the Fisher Information Measure and the Shannon Entropy: A Case Study in Southern Italy. Remote Sens. 2024, 16, 1242. <https://doi.org/10.3390/rs16071242> DOI: 10.3390/rs16071242
- R. Lasaponara, N. Abate\* and N. Masini, "Early Identification of Vegetation Pest Diseases Using Sentinel 2 NDVI Time Series 2016–2023: The Case of Toumeyella Parvicorvis at Castel Porziano (Italy)," in IEEE Geoscience and Remote Sensing Letters, vol. 21, pp. 1-5, 2024, Art no. 2502305, doi: 10.1109/LGRS.2024.3386218. keywords: {Vegetation mapping; Time series analysis; Market research; Degradation; Vegetation; Diseases; Classification algorithms; Continuous change detection and classification (CCDC); early detection; Google Earth Engine (GEE); parasite degradation; Sentinel 2 NDVI time series}, \*Corresponding, DOI: 10.1109/LGRS.2024.3386218
- Abate, N.; Violante, C.; Masini, N. A Semi-Automatic-Based Approach to the Extraction of Underwater Archaeological Features from Ultra-High-Resolution Bathymetric Data: The Case of the Submerged Baia Archaeological Park. Remote Sens. 2024, 16, 1908. <https://doi.org/10.3390/rs16111908> 2023
- Masini, N., Romano, G., Sieczkowska, D. et al. Non invasive subsurface imaging to investigate the site evolution of Machu Picchu. Sci Rep 13, 16035 (2023). <https://doi.org/10.1038/s41598-023-43361-x>
- Abate, N.; Visone, F.; Sileo, M.; Danese, M.; Minervino Amodio, A.; Lasaponara, R.; Masini, N. Potential Impact of Using ChatGPT-3.5 in the Theoretical and Practical Multi-Level Approach to Open-Source Remote Sensing Archaeology, Preliminary Considerations. Heritage 2023, 6, 7640-7659. DOI: <https://doi.org/10.3390/heritage6120402>

Tito Scalo, 13-03-2025

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