

# EUROPEAN CURRICULUM VITAE



## PERSONAL INFORMATION

Name and surname	<b>DOMINIQUE SERRANI</b>
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Nationality	<b>Italian</b>

## EDUCATION AND FORMATION

Date (from – to)	From 1 January 2021 to 31 December 2021 From 1 January 2022 in progress
Assignment	<b>Research grant</b> AGR/14 Department of Agricultural, Food and Environmental Sciences (D3A) Università Politecnica delle Marche
Topic	“Monitoraggio del suolo in agricoltura biologica e bioconservativa” The project AGRIBIOCONS is financed by Bando “Sostegno alla creazione e al funzionamento di Gruppi Operativi del PEI – Sottomisura 16.1 Azione 2” annualità 2017 – PSR Marche 2014/2020. Members of the partnership are: <ul style="list-style-type: none"><li>• Società Agricola Biologica Fileni s.r.l., in qualità di capofila del progetto;</li><li>• Arca s.r.l. Benefit;</li><li>• Università Politecnica delle Marche (UNIVPM), con le due aree di</li><li>• Scienza del Suolo (Professor Corti),</li><li>• Genetica Agraria (Professor Tavoletti);</li><li>• A.E.A s.r.l.;</li><li>• Società Agricola Agri Blu di Zingaretti e Soci</li></ul> Our contribute for the project include two evaluations: <i>i)</i> the effect of organic and organic-conservative practices on soil properties. The study is carried out in the eight farms included in the project, located in Vallesina (AN-MC). The “Visual Soil Assessment” (VSA), the “Visual Plant Assessment” (VPA) (FAO, 2008) and pedological surveys are the methodologies applied; <i>ii)</i> the direct measurement of soil erosion after rainy events along a cultivated hillside of the “LOV” agricultural farm (Apiro), included in the Esinante river basin (MC-AN).
Date (from – to)	From 1 November 2017 to 20 July 2021
Name and level of education institution	<b>Ph.D school in Agricultural, Food and Environmental Sciences</b> Department of Agricultural, Food and Environmental Sciences (D3A) Università Politecnica delle Marche
Topic	The Ph.D. project is part of Progetto Strategico di Ateneo 2017 “Discovering “terra preta” in Mozambique: a model for sustainable agroforestry systems to preserve soil, forest and wilderness areas”. The aim of the study was to evaluate the sustainability of the agroforestry practice named <i>slash and burn</i> , historically actuated in Manica province, Mozambique. In detail, soil physicochemical and biological properties were analysed to understand the impact of such practice on soil fertility. The study was carried out in collaboration with the “Sussundenga Research Station Soil” from <i>Instituto de Investigação Agrária de Moçambique</i> (IIAM), the <i>Universidade Eduardo Mondlane</i> (Maputo), as participant to the program “Applied Research and Multi-sectorial Program” (FIAM) (No. 5.2.1), financed by Agenzia italiana per la Cooperazione e lo Sviluppo (ICDA). Results are in the process of being published in international impacted journals.
Evaluation	<b>Final evaluation:</b> Excellent <b>Thesis title:</b> “Effect of slash and burn in Mozambique soils”.
Date (from – to)	From November 2015 to February 2017

Name and level of education institution	<b>Master's degree FORESPA – Forests, soil and landscape (classe LM 73)</b> Department of Agricultural, Food and Environmental Sciences (D3A) Università Politecnica delle Marche
Evaluation	<b>Final evaluation:</b> 110/110 e lode <b>Thesis title:</b> "Valutazione dei valori di fondo per elementi in traccia di suoli urbani in città di media grandezza".
Date (from – to)	From February 2014 to August 2014
Name and level of education institution	<b>ERASMUS LLP (Study and practice)</b> <b>Grado en Ingeniería Forestal y del Medio Natural</b> Universidad de Santiago de Compostela, campus di Lugo (Spagna)
Date (from – to)	From November 2011 to February 2015
Name and level of education institution	<b>Bachelor's degree – Forestry and environmental sciences (classe L 25)</b> Department of Agricultural, Food and Environmental Sciences (D3A) Università Politecnica delle Marche
Evaluation	<b>Final evaluation:</b> 109/110 <b>Thesis title:</b> "Confronto diacronico (1992 - 2012) della forma totale e disponibile di metalli e metalloidi in Technosols originatisi da scarti di miniera di lignite. As Pontes, Galizia, Spagna".

## ACADEMIC ACTIVITY

Didactic activity	From February 2022 to May 2022 <b>Adjunct professor of "Conservazione del suolo"</b> in Innovative Agricultural System (SAI) course Department of Agriculture, Food and Environmental Sciences (D3A) Polytechnic University of Marche Region (UNIVPM) Via Umbria, 63100, Ascoli Piceno, Italy
Grants	<ul style="list-style-type: none"> <li>• Winner of the ESSC grant for young researchers to attend the 1<sup>st</sup> International Joint Congress ESSC – EURECYS: "Sustainable Management of Cultural Landscapes in the context of the European Green Deal", 10-14 November 2021, Santo Stefano di Camastra, Italy.</li> <li>• Winner of the AISSA "Michele Stanca" grant 2022 for the Ph.D. thesis: "Effect of slash and burn in Mozambique soils" in SSD AGR/14, 24-25 February 2022, Bari, Italy.</li> </ul>
Publications	<ol style="list-style-type: none"> <li>1) <i>Stefania Cocco, Valeria Cardelli, Giuseppe Corti, Dominique Serrani, Borquete Alves Rafael, Carmelo Dazzi, Giuseppe Lo Papa, 2020. "ROLE OF LAND SET-UP SYSTEMS ON SOIL (PHYSICOCHEMICAL) CONDITIONS", published in Italian Journal of Agronomy; volume 15(4):1766. <a href="https://doi.org/10.4081/ija.2020.1766">https://doi.org/10.4081/ija.2020.1766</a>.</i></li> <li>2) <i>Giuseppe Corti, Carlo Urbinati, Stefania Cocco, Cristiano Casucci, Giuseppe Toscano, Adele Finco, Deborah Bentivoglio, Giorgia Bucci, Valeria Cardelli, Arianna De Bernardi, Marziyeh Hoseini, Francesco Malandra, Manuela Mancini, Giorgio Rossini, Dominique Serrani, Enrico Tonelli, Alessandro Vitali. "FORESTS AND SOILS: SUSTAINABLE PRODUCTS AND ECOSYSTEM SERVICES FOR HUMAN WELL-BEING" published in Springer, Cham. <a href="http://doi-org-443.webvpn.fjmu.edu.cn/10.1007/978-3-030-33832-9_39">http://doi-org-443.webvpn.fjmu.edu.cn/10.1007/978-3-030-33832-9_39</a>.</i></li> <li>3) <i>Sara Marinari, Rosita Marabottini, Gloria Falsone, Gilmo Vianello, Livia Vittori Antisari, Alberto Agnelli, Luisa Massaccesi, Stefania Cocco, Valeria Cardelli, Dominique Serrani, Giuseppe Corti, 2021. "MINERAL WEATHERING AND LESSIVAGE AFFECT MICROBIAL COMMUNITY AND ENZYME ACTIVITY IN MOUNTAIN SOILS" published in Applied Soil Ecology; Volume 167. <a href="https://doi.org/10.1016/j.apsoil.2021.104024">https://doi.org/10.1016/j.apsoil.2021.104024</a>.</i></li> <li>4) <i>Dominique Serrani, Franco Ajmone-Marsan, Giuseppe Corti, Stefania Cocco, Valeria Cardelli, Paola Adamo, 2021. "HEAVY METAL LOAD AND EFFECTS ON BIOCHEMICAL PROPERTIES OF URBAN SOILS OF A MEDIUM-SIZED CITY, ANCONA, ITALY", published in Environmental Geochemistry and Health. <a href="https://doi.org/10.1007/s10653-021-01105-8">https://doi.org/10.1007/s10653-021-01105-8</a>.</i></li> </ol>

- 5) *Lorenzo Camponi, Valeria Cardelli, Stefania Cocco, **Dominique Serrani**, Andrea Salvucci, Andrea Cutini, Alberto Agnelli, Gianfranco Fabbio, Giada Bertini, Pier Paolo Roggero, Giuseppe Corti, 2022. "CONVERSION INTO HIGH FOREST HAS LITTLE EFFECT ON SOIL ORGANIC C AND NUTRIENT STOCK IN A CUSTOMARY TURKEY OAK (QUERCUS CERRIS L.) COPPICE". Published in Journal of Environmental Management.*
- 6) ***Dominique Serrani**, Ilario Ferrocino, Cristiana Garofalo, Andrea Osimani, Maria Rita Corvaglia, Vesna Milanović, Lucia Aquilanti, Stefania Cocco, Valeria Cardelli, Alves Rafael Rogerio Borquete, Elena Franciosi, Kieran Tuohy, Francesca Clementi, Giuseppe Corti. Available online 7 June 2022. "BACTERIAL METATAXONOMIC DIVERSITY ON SOILS UNDER SLASH AND BURN FROM MOZAMBIQUE", Published in Pedosphere.*
- 7) ***Dominique Serrani**, Stefania Cocco, Valeria Cardelli, Paride D'Ottavio, Alves Rafael Rogerio Borquete, Domingos Feniasso, Alcídio Vilanculos, Chiara Giosué, Francesca Tittarelli, Giuseppe Corti. "WHAT FUTURE FOR THE SOILS SUBMITTED TO SLASH AND BURN?". Published in Journal of Environmental Management.*
- 8) ***Dominique Serrani**, Ilario Ferrocino, Cristiana Garofalo, Andrea Osimani, Maria Rita Corvaglia, Vesna Milanović, Lucia Aquilanti, Stefania Cocco, Valeria Cardelli, Alves Rafael Rogerio Borquete, Francesca Clementi, Giuseppe Corti. "SOIL FUNGI COMMUNITIES UNDER SLASH AND BURN IN MOZAMBIQUE – A METATAXONOMIC APPROACH". Under review to Geoderma Regional.*

## LANGUAGE SKILLS

Mother tongue	<b>Italian</b>	
Other languages	<b>Spanish</b>	<b>English</b>
Reading	Very good	Very good
Writing	Very good	Good
Speaking	Very good	Good
Language certification	Certificate of Spanish for foreigners (Level B2)	
Released by	Instituto Cervantes (Spain), 21 August 2015	