

Sara Cucchiaro

Assistant Professor (RTDa)

Italian Scientific Sector: AGR/08 - Agricultural Hydraulics and Watershed Management

Italian Competitive Subject Area: 07/C1 - Agricultural, forestry and biosystems engineering



PERSONAL INFORMATION

Academic Affiliations:

University of Udine

Department of Agricultural, Food, Environmental and Animal Sciences (Di4A),

Via delle Scienze, 206, 33100, Udine, Italy

E-mail: sara.cucchiaro@uniud.it

Office: +39 0432 558653

Researchgate: <https://www.researchgate.net/profile/Sara-Cucchiaro>

LinkedIn: <https://it.linkedin.com/in/sara-cucchiaro-121516158>

ORCID: 0000-0002-8042-836X

Google Scholar: <https://scholar.google.com/citations?user=dBeP9v4AAAAJ&hl=it>

SCOPUS: 57203852098

Web of Science (WOS) Researcher ID: AAC-1294-2022

Research Interests:

Hydro-Geomorphology, Watershed Management, Natural Hazards, Remote Sensing, GIS, Digital Terrain Analysis, Earth Surface Processes Analysis.

WORK EXPERIENCE

- 01/02/2023 – Present **Fixed-term Assistant Professor**
Department of Agricultural, Food, Environmental and Animal Sciences (Di4A), University of Udine, Italy
- 2019 – 31/01/2023 **Postdoctoral Research Associate**
Department of Land, Environment, Agriculture and Forestry (TESAF), University of Padova, Italy
Department of Agricultural, Food, Environmental and Animal Sciences (Di4A), University of Udine, Italy
Department of Land, Environment, Agriculture and Forestry (TESAF), University of Padova, Italy

ACADEMIC EDUCATION

- 2019 **PhD in Environmental Life Sciences** (XXXI cycle – inter-ateneo)
University of Udine (Italy) - Department of Agricultural, Food, Environmental and Animal Sciences
University of Trieste (Italy) - Department of Life Sciences
- 2016 **Professional Qualification Exam in Forestry and Environmental Sciences**
University of Udine, Udine (Italy)
- 2014 **Degree in Science and Technologies for the Environment and the Land** (L-75)
University of Udine, Udine (Italy)
- 2012 **Bachelor in Science for the Environment and Nature** (L-32)
University of Udine, Udine (Italy)

STUDY ABROAD FELLOWSHIP

- 2022 AIIA (Italian Association of Agricultural Engineering) Fellowship - Short-term scientific Mission at the University of Coruña, AQUATERRA research group, Coruña (ES)
- 2019 Short-term scientific Mission at the University of Leeds, School of Geography, Leeds (UK)
Project title: *Structure from Motion in Geosciences*
- 2017 COST (European Cooperation in Science and Technology) Action ES1306 "Connecting European connectivity research" Fellowship - Short-term scientific Mission at the University of Lleida, Fluvial Dynamic Research Group-RIUS. 2-31, Lleida (ES).

TEACHING ACTIVITIES

Teaching

- 2023– Present Course of the *Torrent Control Works*. Bachelor course of Agricultural Sciences (L-25) - Mountain Systems and Forestry curriculum, 6 CFU. University of Udine, Italy.
- 2022 "*Geomatics is cool. A brief introduction to GIS tools for environmental PhD researches*", PhD Course of Environmental Life Sciences. Official course for PhD students, 2 CFU. University of Udine and Trieste, Italy.
- 2022 – Present **Subject-matter expert (Cultore della materia) in Hydrology and Watershed Management (Italian Scientific Disciplinary Sector: AGR/08)**
Department of Agricultural, Food, Environmental and Animal Sciences, University of Udine, Italy.
- 2017 – 2019 **Teaching Assistant**
Course of *Geomatics* (8 CFU), Bachelor course of Science for Environment and Nature (L-32), University of Udine, Italy.
- 2016 – Present **Co-supervisor in Thesis**

Bachelor course of Science for Environment and Nature (L-32), Bachelor course of Agricultural Sciences (L-25) and Bachelor course of Civil and Environmental Engineering (L-7).

RESEARCH ACTIVITIES

Participation in research projects

- 2023-2026 Fixed-term Assistant Professor of the Italian PNRR project entitled "*iNEST - Interconnected Nord-Est Innovation Ecosystem*", Spoke "*Ecosystem for Mountain innovation*"; <https://www.consorziointest.it/>, University of Udine. Research project task entitled: *Development of innovative techniques to monitor and analyse the instability phenomena in mountain basins and define an operational protocol for geohydrological risk prevention*.
- 2019-2023 Postdoctoral Research Associate of the WP1 in the "*TerrACE - Terrace Archaeology and Culture in Europe*" - research project (EU H2020 ERC-AdG, 2019–2023; <https://www.terrace.no>), University of Padova. Research project task of WP1: *map agricultural terraces using Remote Sensing techniques (ALS, UAV, TLS) and realise geomorphological analysis of agricultural terraces in Europe (Italy, Greece, UK, Norway, Belgium, France)*.
- 2019-2022 Postdoctoral Research Associate of the "*INADEF - INnovative eArly warning system for DEbris Flow events based on nowcasting and phenomenology*" - research project (Interreg V-A Italy-Austria 2014-2020; <https://www.inadef.com/en/>), University of Udine, lead partner.

Conference Convener and Chairperson

- 2020 - 2023 Convener and Chairperson in five conferences (national and international): European Geosciences Union (EGU) - General Assembly 2022 and 2023; Geosciences and Information Technologies (GIT) - Conference 2021; American Geophysical Union (AGU) - Fall Meeting 2020.

Oral presentations at conferences

- 2016 - 2022 Speaker at several conferences and workshops (national and international), 2 of them as "invited talks": European Geosciences Union (EGU) - General Assembly 2017 – 2022; Geosciences and Information Technologies (GIT) Conference 2017 – 2021; European Association of Archaeologists General Assembly 2021; Italian Society of Agricultural Engineering (AIIA) workshop 2020; Conference of COST Action ES1306 Connecteur Final Meeting 2018.

PUBLICATIONS

Publications Indexes

Author of 28 scientific publications, two articles in ISSN-ISBN journals, one book chapter and three proceeding papers (Scopus database, accessed on 8 June 2023).
Bibliometric indices (database accessed on 8 June 2023): [Google Scholar](#) (H-index 11, Citations 434) | [SCOPUS](#) (H-index 10, Citations 340) | [WOS](#) (H-index 8, Citations 263).

Publications Summary

The full list of publications can be found at the following link: <https://air.uniud.it/cris/rp/rp04895>

SERVICE ACTIVITY

Academy Membership & Scientific Societies

- 2022- Present Science Officer of Subdivision *SSS10: Metric, Informatics, Statistics and Models in Soils* - Division on Soil System Sciences - European Geosciences Union.

Editor (journals)

- 2022- Present Guest Editor in the Special Issue "*4D (Multi-Temporal) Remote Sensing: Opportunities, Challenges, and Issues for Environmental Monitoring over Time*" of *Remote Sensing*, Special Issue, 2022-2023.

https://www.mdpi.com/journal/remotesensing/special_issues/E5WQ7991UE.

Guest Editor in the Special Issue "XV Convegno Nazionale della Sezione GIT - Ripatransone 2021", *Rendiconti Online (ROL) della Società Geologica Italiana*, Vol. 58, ISSN 2035-8008 - November 2022.

Reviewer (journals)

2019 - Present Nat. Hazards Earth Syst. Sci. (Copernicus); Land Degradation & Development (Wiley); Earth (MDPI); Frontiers in Environmental Science; Environmental Earth Sciences (Springer). Earth Surface Processes and Landforms (Wiley). Journal of Soils and Sediments (Springer), CATENA (ScienceDirect).

AWARDS

2022 Early Career Scientist Award

In the Italian Scientific Disciplinary Sector: AGR/08 - Agricultural Hydraulics and Watershed Management. Awarded by the Scientific Society AIIA – Italian Association of Agricultural Engineering.

Udine, 8th June 2023

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.

Sara Cucchiaro

