



PERSONAL INFORMATION

Surname, Name

STICCA, Sara

Address

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Fiscal Code

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E-mail

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Driving licence

B driving licence

Nationality

Italian

Date of birth

22 OCTOBER 1999

IDENTIFIERS

ORCID

<https://orcid.org/0000-0002-8090-6544>

LinkedIn

<https://www.linkedin.com/in/sara-sticca/>

ResearchGate

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

EDUCATION

- Period (from – to)
- Name and type of educational or training institution

November 2024-present

PhD in “Models and Methods for Material and Environmental Sciences” with topic “Earthquake-induced Liquefaction Phenomena (Co-seismic effects) and experimental Blast Test”

University of Modena and Reggio Emilia

Tutor: Prof. Sara Amoroso (UNICH), Co-tutor: Prof. Daniela Fontana (UNIMORE), Dott. Luca Minarelli (INGV)

- Period (from – to)
- Name and type of educational or training institution
- Attained qualification

July 2024

Exam for licensing to practice as a Geologist - University “G. d’Annunzio” of Chieti-Pescara

Habilitation to practice on 2 August 2024

- Period (from – to)
- Name and type of educational or training institution

2021-2024

Thesis title: Quaternary geomorphological reconstruction of the southern edge of Fucino Basin (Central Apennine)

Tutor: Prof. Enrico Miccadei; Co-tutors: Dott. Gianluca Esposito, Dott. Gian Paolo Cavinato
University “G. d’Annunzio” of Chieti-Pescara

- Main subjects/occupational skills
object of study
- Attained qualification

Data analysis in GIS, geology, geomorphology, data collection, bibliographic collection and study, paleoenvironmental reconstruction.

Master’s degree in Geological sciences and technologies of the earth and planets with 110/110
cum laude on 17 April 2024

- Period (from – to) 2018-2021
- Name and type of educational or training institution Thesis title: Hydrogeological structure of the springs captured for drinking purposes in the Molise facies of the left side of the middle Sangro
Tutor: Prof. Sergio Rusi; Co-tutor: Dott.ssa Alessia Di Giovanni
University “G. d’Annunzio” of Chieti-Pescara
- Main subjects/occupational skills object of study Data analysis in GIS, geology, hydrogeology, census operation, data collection, comparison and co-operation with water service operator
- Attained qualification Bachelor’s degree in Geological sciences with 110/110 *cum laude* on 9 December 2021
- Period (from – to) 2013-2018
- Name and type of educational or training institution Scientific High School “Leonardo Da Vinci”, Pescara
- Attained qualification High school diploma with 83/100 on 30 June 2018

INTERNSHIPS

- Period (from – to) March 2023 – January 2024
- Structure **Environmental geomorphology and GIS laboratory** - University “G. d’Annunzio” of Chieti-Pescara
- Main skills acquired The internship activity allowed me to expand my knowledge in the area of analysis and mapping in a GIS environment (geological and geomorphological mapping, morphometric analysis), to participate in geological survey activities through field analysis, and to perform tasks related to my thesis work.
Prof. Enrico Miccadei (UNICH)
- Period (from – to) 11-22 November 2024
- Type of survey **Technical visit Cone Penetration Test with Piezocone (CPTU) and Dilatometric Test (Medusa (S)DMT), Piana di Navelli (AQ)**
- Main observations of the technical visit The visit was conducted with the aim of explaining and demonstrating the instrumentation, mode of execution and critical issues of cone penetration test and dilatometric test.
Prof. Sara Amoroso (UNICH)
- Organizer Training certificate
- Attained qualification

COURSES

- Period (from – to) 10-14 June 2024
- Course name **“Geological and geotechnical approaches in the assessment of seismic ground motion and vulnerability of the physical and built environment at a territorial scale”**
- Main subjects/occupational skills object of the course Reference geological and seismicity mapping; Seismic site response; Evaluation of seismic liquefaction susceptibility; Prediction of earthquake-induced slope instability; Vulnerability of structures by means of fragility curves.
University of Napoli Federico II
Attendance certificate
- Organizer
- Attained qualification
- Period (from – to) 4 June 2024
- Course name **“Using DOREMI model surface seismograph for performing MASW and refraction tests.”**
- Main subjects/occupational skills object of the course The course, which was conducted at the headquarters of SARA Electronic Instrument S.r.l. in Perugia, was focused on explaining and testing the instrumentation to carry out the MASW technique.
SARA Electronic Instrument S.r.l.
Attendance certificate
- Organizer
- Attained qualification

<ul style="list-style-type: none"> • Period (from – to) • Course name 	11-18 September 2023 Summer School of Geomorphology, Ecology and Biology in Marine and Insular Environment – Isole Egadi (Sicilia)
<ul style="list-style-type: none"> • Main subjects/occupational skills object of the course 	Lectures and practical exercises on various topics in the geological, biological and natural sciences associated with the coastal marine environment and new technologies that can be used to study these environments that are most vulnerable and subject to anthropogenic impacts and the effects of climate change.
<ul style="list-style-type: none"> • Organizer 	Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA)
<ul style="list-style-type: none"> • Attained qualification 	Attendance certificate
<ul style="list-style-type: none"> • Period (from – to) • Course name 	21-28 January 2019 Medium Risk Worker Training
<ul style="list-style-type: none"> • Main subjects/occupational skills object of the course 	The topics of the safety course include risk situations, possible damage and accidents and the resulting prevention and protection measures and procedures.
<ul style="list-style-type: none"> • Organizer 	Servizio Prevenzione e Protezione UdA
<ul style="list-style-type: none"> • Attained qualification 	Attendance certificate

CONFERENCES

<ul style="list-style-type: none"> • Period (from – to) • Name • Organizer • Relators 	21 June 2024 “Natural hazards between scientific challenges and criminal liability” National Institute of Geophysics and Volcanology (INGV) and Unitelma Sapienza Dott. Nicola Napoletano (Unitelma), Dott.ssa Elisabetta Rosi (Unitelma), Dott.ssa Chiara Perini (Uninsubria), Dott.ssa Titti Postiglione (Dipartimento di Protezione Civile)
<ul style="list-style-type: none"> • Period (from – to) • Name • Organizer • Relators 	8-9 March 2024 From geologist to geologist “update”. Continuing of communication of professional experience in the service of education. University “G. d’Annunzio” of Chieti-Pescara and Order of the Geologists Abruzzo Region Geol. Daniela De Angelis (Order of the Geologists Abruzzo Region), Geol. Monica Schiavi (Order of the Geologists Abruzzo Region), Dott.ssa Geol. Loretta Finocchio (Order of the Geologists Abruzzo Region)
<ul style="list-style-type: none"> • Period (from – to) • Name • Organizer 	23 October 2023 “Science, knowledge and awareness for the prevention of natural and man-made hazards in Italy” University “G. d’Annunzio” of Chieti-Pescara and National Alpine Association
<ul style="list-style-type: none"> • Period (from – to) • Name • Organizer 	23 June 2023 Environment, Energy, Sustainability. The great challenges of the Mediterranean FenImprese Pescara
<ul style="list-style-type: none"> • Period (from – to) • Name • Organizer • Relators 	6 May 2022 “Thirty years after the flood of the river Pescara” Regional Agency of Civil Protection, Municipality of Pescara and Order of the Geologists Abruzzo Region Prof. Sergio Rusi (UNICH), Valentina Colaiuda (Abruzzo Region)
<ul style="list-style-type: none"> • Period (from – to) • Name • Organizer • Relators 	12 May 2019 “L’Aquila 2009-2019 - Ten years of experiences, studies and critical issues ” University “G. d’Annunzio” of Chieti-Pescara, Order of the Geologists Abruzzo Region, National Council of the Geologists, Italian Society of Environmental Geology Prof. Sergio Rusi (UNICH), Geol. Lorenzo Benedetto (CNG)

SEMINARS

- Period (from – to) 28-29 November 2024
 - Name Publish or Perish? Survival guide - webinar
 - Organizer UNIMORE
 - Relators Dott. Davighi, Dott. Solieri, Dott. De Bellis, Dott. Cocchi

- Period (from – to) 22 October 2024
 - Name Petrographic analysis for infrastructure
 - Organizer Prof. Gianluca Iezzi (UNICH)
 - Relators Dott.ssa Alisia Ottaviano

- Period (from – to) 15 October 2024
 - Name **Marchetti DMT – webinar**
 - Organizer Studio Prof. Marchetti
 - Relators Ing. Diego Marchetti, Prof. Sara Amoroso (UNICH)

- Period (from – to) 19 June 2024
 - Name Nature-based Solutions for the mitigation of weather and hydrological risk: Applications and prospects
 - Organizer Parco di Portofino, GISIG, DISTAV, UniGe
 - Relators Alessandra Marchese (GISIG), Guido Paliaga (GISIG)

- Period (from – to) 27 May 2024
 - Name **Liquefaction assessment and ground improvement techniques by seismic dilatometer test (SDMT) after 2010-2011 Canterbury earthquakes (New Zealand) - webinar**
 - Organizer University of L'Aquila
 - Relators Prof. Sara Amoroso (UNICH)

- Period (from – to) 18 April 2024
 - Name **Plan of gas pipelines in areas affected by geohazard phenomena**
 - Organizer University "G. d'Annunzio" of Chieti-Pescara
 - Relators Dott. Fabrizio Cultrera, PhD (Technip Energies)

- Period (from – to) 21 February 2024
 - Name Identification of buried faults in the Fucino basin: the case of Trasacco fault system (AQ)
 - Organizer National Institute of Geophysics and Volcanology (INGV)
 - Relators Dott.ssa Daniela Famiani, PhD (INGV)

- Period (from – to) 11 January 2024
 - Name Paleosols as ancient "critical zone" for past and future predictions: the "quarrel" between depositional and pedogenic processes in ancient continental deposits
 - Organizer University "G. d'Annunzio" of Chieti-Pescara
 - Relators Prof. Giorgio Basilici (UNICAMP)

- Period (from – to) 23 June 2023
 - Name Microbiology of rare autochthonous and imported infections
 - Organizer Strategie S.r.l.
 - Relators Dott. Paolo Fazii (ASL Pescara), Dott. Luigi Principe (Azienda Sanitaria Provinciale Crotone)

- Period (from – to) 29 September 2023
 - Name One World
 - Organizer University "G. d'Annunzio" of Chieti-Pescara
 - Relators Prof. Massimo Angrilli (UNICH), Prof. Enrico Miccadei (UNICH), Prof. Vittore Verratti (UNICH)

- Period (from – to) 29 September 2023
- Name ISPRA for environment and health: the One Health approach
- Organizer University “G. d’Annunzio” of Chieti-Pescara
- Relators Dott.ssa Francesca De Maio (ISPRA)
- Period (from – to) 15 May 2023
- Name Civil Protection Activities: the management of hydrogeomorphological, hydraulic and seismic emergencies and forest fires. Prospects for occupational activities related to the Geosciences
- Organizer University “G. d’Annunzio” of Chieti-Pescara, Abruzzo Region and Regional Civil Protection Agency
- Relators Prof. Paolo Boncio (UNICH), Prof. Tommaso Piacentini (UNICH), Prof. Sergio Rusi (UNICH)

FIELD ACTIVITIES

- Period (from – to) 4-6 May e 30-31 October 2023
- Type of activity Field activities within the CARG Project in Sheet 377 “Trasacco”
- Main topics object of the activity Analysis and discussion of the main criticalities (tectonic and stratigraphic) in the context of Sheet 377 “Trasacco”. Explanation of the measurements carried out in the Lazio area of the sheet.
Discussion and recognition of geological formations detected and mapped by geologists within the Sheet studied.
- Organizer Prof. Enrico Miccadei (UNICH), Dott. Angelo Cipriani (ISPRA)
- Period (from – to) 25 May 2023
- Type of activity Field activities on the Tremiti Islands (FG)
- Main topics object of the activity Field trip conducted as part of the Quaternary Geomorphology course and with members of the Abruzzo Region Order of Geologists to examine the morphological characteristics of the coastal environment and gravitational and structural processes.
- Organizer Order of the Geologists Abruzzo Region, Prof. Tommaso Piacentini (UNICH)
- Period (from – to) 20-25 May 2021, 13 e 27 October 2021
- Type of activity Campaign activities as part of the bachelor's thesis individually and with Prof. Sergio Rusi and Dr. Alessia Di Giovanni
- Main topics object of the activity Individual field trip conducted to carry out the survey of the study area as part of the thesis. This activity involved comparing the data provided by the professor with the data collected in the field. Field trip carried out in order to make and check what was done individually and with the support of the water service operator in the study area.
- Organizer Prof. Sergio Rusi (UNICH)

TECHNICAL VISITS FOR GEOTECHNICAL AND GEOPHYSICAL SURVEYS

- Period (from – to) 4-5 December 2024
- Type of survey **Technical visit for the execution of a borehole and Standard Penetration Test (SPT) on a paleoliquefaction site in Vittorito (AQ)**
- Main observations of the technical visit The visit was conducted with the aim of showing the mode of execution and critical issues observed during the execution of the survey and the standard penetration test.
- Organizer Prof. Sara Amoroso (UNICH)

- Period (from – to)
- Type of survey
- Main observations of the technical visit
 - Organizer
- Period (from – to)
- Type of survey
- Main observations of the technical visit
 - Organizer
- Period (from – to)
- Type of survey
- Main observations of the technical visit
 - Organizer

LANGUAGES

Mother tongue

OTHER LANGUAGE(S)

English

2 October 2024

Technical visit Dynamic Penetration Test with Chinese Heavy Hammer (DPT), Cagnano Amiterno (L'Aquila, Abruzzo)

The visit was conducted with the aim of explaining and demonstrating the instrumentation, mode of execution and critical issues of dynamic penetrometric testing.

Prof. Sara Amoroso (UNICH)

14 June 2024

Technical visit for measurement of energy efficiency by Standard Penetration Test (SPT), Cittareale (Rieti, Lazio)

The visit was conducted with the aim of showing the instrumentation capable of measuring energy efficiency when performing an SPT test.

Prof. Sara Amoroso (UNICH)

21 May 2024

Technical visit Down-Hole (DH) and Cross-Hole (CH) Tests, Collepietro and Corfinio (L'Aquila, Abruzzo)

The visit was conducted with the aim of explaining and demonstrating the instrumentation, mode of execution and critical issues of the down-hole test and cross-hole test.

Prof. Sara Amoroso (UNICH)

Italian

COMPREHENSION		SPEAKING		WRITING
Listening	Reading	Interaction	Oral production	
B2	B2	B2	B2	B2
Passing English language proficiency examination in university studies				

Levels: A1/A2: Basic user - B1/B2: Intermediate user - C1/C2: Advanced user

SKILLS AND COMPETENCIES TECHNICAL AND COMPUTER SKILLS

OPERATING SYSTEM

Windows, Mac
Knowledge: good

WORD-PROCESSING AND SPREADSHEET
APPLICATIONS

Microsoft Office package (Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Microsoft Teams)
Knowledge: good

GRAPHIC PROGRAMMING

Corel Draw, Inkscape, GIMP, Canva
Knowledge: good

GEOGRAPHIC INFORMATION SYSTEMS

Qgis, ArcGIS
Knowledge: good

GEOPHYSICAL TEST ACQUISITION
APPLICATIONS

GEOEXPLORER (DOREMI) for MASW and Refraction execution
Knowledge: good

OTHER APPLICATIONS

Geovariance: Isatis.neo (software for statistical analysis of geospatial data)
Knowledge: sufficient

PERSONAL INTERESTS AND SKILLS

Good planning and organizational skills. Good interpersonal skills and ability to adapt in new contexts; full availability to travel, both nationally and internationally; good disposition to expand own knowledge. I have been a scout since 2007 and head educator of the C.I.S.C. Scout Association since 2019.

PUBLICATIONS

Piattelli V., Cinosi J., Esposito G., Mancinelli V., Paglia G., Ciaglia S., Colasante P., Defilippis D., de Iure F., Desiderio S., Dezio L., Di Cecco F., Di Cesare B., Di Croce N., D'Intino J., Di Zio D., Donatelli V., Faieta D., Gagliardi M., Giuliani C., Innamorato L., Luciani A., Mantanera P., Molaro L., Montebello A., Moschella P., Pica J., Santucci G., Soldano M., Spedaliere D., **Sticca S.**, Troilo P., Troisi C., Varisco G., Zeppa M., Buccolini M., Miccadei E. (2023) – *Geomorphological Analysis of San Nicola Island (Tremi Islands, Southern Adriatic Sea). Results from the 2021 and 2022 Environmental Geomorphology Field Camps of the MSc in Geological Sciences and Technologies of Earth and Planets (University 'G. d'Annunzio' of Chieti-Pescara)*. Journal of Maps, 19(1), 2164748. Doi: 10.1080/17445647.2022.2164748