

PERSONAL INFORMATION



Marta Zocchi

PhD student

📍 Earth Sciences Department, Sapienza University of Rome
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🌐 https://phd.uniroma1.it/web/MARTA-ZOCCHI_nP1543198_IT.aspx

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EDUCATION AND TRAINING

- 2020 – Present • **PhD student in Earth Sciences (GEO/04 – Physical Geography and Geomorphology)**
Sapienza University of Rome
Geomorphological applications supported by Artificial Intelligence for integrating and updating regional landslide inventories
- 2016 – 2019 • **Master of Science in Engineering, Territory and Risks Geology - 110/110 cum laude**
Sapienza University of Rome
Analysis and interpretation of satellite imagery for the reconstruction of geomorphological features of the lower Tigris and Euphrates Plain (Iraq)
- 2012 – 2015 • **Bachelor of Science in Geological Sciences - 105/110**
Sapienza University of Rome
Caldera unrest: insights on reactivation mechanisms of volcanic calderas

GRANTS AND AWARDS

12/2021

IAG Grant for Windsor Post-Graduate Training Workshop 2021

IAG – International Association of Geomorphologists

Winner of an IAG bursary to participate in the Post-Graduate Training Workshop organized by the British Society for Geomorphology and held at Cumberland Lodge (Windsor Great Park), 6-9th December.

The workshop provided training in project management, group work, dealing with large data sets, fieldwork, lab and numerical modelling, gaining funding as well as publication and future career development.

WORK EXPERIENCE

2019 – 2020

Technical consultant

Nhazca S.r.l. - Via V. Bachelet 12, Roma (www.nhazca.it)

Main activities

- Processing and post-processing of remote sensing data, such as A-DrInSAR, terrestrial radar, and optical data, for monitoring and interpretation of slope gravity-driven processes purposes. Analysis has been carried out in Geographic Information System (GIS) environment and through the usage of proprietary software (TRIVIA and ENVI).
- Cartographic product designed in GIS for geological and geomorphological characterization.

2019

Professional Qualification: Geologist Section A

Sapienza University of Rome

07/2018 – 08/2018

University Internship "Implementation of Polluted Sites Remediation and Environmental Geology service database"

Ufficio Geologia e Idrogeologia Ambientale del Dipartimento Tutela Ambientale di Roma

PUBLICATIONS

Iacobucci G., Troiani F., Milli S., Mazzanti P., **Zocchi M.**, Nadali D. (2021) - Remote sensing approach for the fluvial avulsion processes detection and mapping. EGU General Assembly 2021

Iacobucci G., Troiani F., Milli S., Mazzanti P., Piacentini D., **Zocchi M.**, Nadali D. (2020) - Combining satellite multispectral imagery and topographic data for the detection and mapping of fluvial avulsion processes in lowland areas. Remote Sensing 12, 2243.

Iacobucci G., Mazzanti P., Milli S., Nadali D., Troiani F., **Zocchi M.**, Forti L. (2019) - *Holocene and historical morphodynamics of the Lower Mesopotamian waterscape: a multi-sensor remote sensing approach*. 20th International Union for Quaternary Research (INQUA) Congress, Dublin, July 2019 (Poster).

PERSONAL SKILLS

Mother tongue(s) Italian
Foreign language(s) English

UNDERSTANDING: B2/C1

SPEAKING: B2/C1

WRITING: B2/C1

Common European Framework of Reference for Languages

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