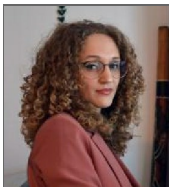


PERSONAL INFORMATION



SOFIA MONTANARI

 Via al Desert 6, 38100 TRENTO (TN)
 3933845032
 montanarisofia.sm@gmail.com

Gender Female | Date of birth May 24 1997 | Nationality Italy

WORK EXPERIENCE

Nov 2021 - Jul 2022

Trainee

Cultivation of plant species in petri dishes with soils with different forms of selenium (rhizotron)
 Analysis of the soil characteristics: pH, electrical conductivity, trace elements quantification, C and N quantification
 Spectrophotometric analyses of plants
 Image processing using the software ImageJ
 Statistical analyses using the software R
 Alma Mater Studiorum - Università di Bologna , Irnerio 42 - BOLOGNA (BO) Italy
Business or sector education, training, research and development

Feb 2020 - Sep 2020

Trainee

Cultivation of metals hyperaccumulator and tolerant plant species on different substrates made of sewage sludge and other amendments.
 Plant traits measurements to evaluate best treatments.
 Analysis of the metals quantities absorbed by plants.
 Statistical analysis using R.
 Alma Mater Studiorum - Università di Bologna , Irnerio 42 - BOLOGNA (BO) Italy
Business or sector education, training, research and development

EDUCATION AND TRAINING

2022 - 2025

Dottorato in Scienze Agroalimentari e Ambientali

EQF level 8

Università degli Studi di TRENTO - C3A - Centro Agricoltura Alimenti Ambiente
 Doctor of Philosophy (Ph.D.)

2020 - 2022

Science and Management of Nature

EQF level 7

Alma Mater Studiorum - Università di Bologna - School of Science
 2nd cycle degree/Master of Science (2 years)

2016 - 2020

Natural Sciences

EQF level 6

Alma Mater Studiorum - Università di Bologna - School of Science
 1st cycle degree/Bachelor (3 years)

PERSONAL SKILLS

Mother tongue(s)

Italian

Foreign language(s)

English

Spanish

UNDERSTANDING				SPEAKING				WRITING	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient	C2	Proficient	C1	Proficient	C1	Proficient	C1	Proficient
C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient

English: IELTS - British Council, 26 02 2022 - European level: C1
Spanish: DELE - Instituto Cervantes, 20 02 2016 - European level: B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
 Common European Framework of Reference for Languages

Linguistic experience(s)

European Union program

Erasmus+ for traineeship
 Language: Spanish
 Duration of studies in months: 3
 Foreign country where the academic studies were carried out: Almeria (Spain)
 Description: The gypsophilous bush of the Iberian peninsula: diversity and conservation strategy using ecological niche's models.
 Phylogenetic analysis of *Ononis tridentata* and its relationship with other related species.

Communication skills

Ability to work in a team.
 Good communication skills.
 Good organization skills.
 Capability to analyze and solve problems.
 Strong sense of responsibility and work ethic.

Digital competences

SELF-ASSESSMENT				
INFORMATION PROCESSING	COMMUNICATION	CONTENT CREATION	SAFETY	PROBLEM SOLVING
Independent user	Independent user	Independent user	Basic user	Basic user

Digital competences - Self-assessment grid

Basic digital competence:

DATA MANAGEMENT

Big Data: Microsoft Office (Intermediate) , R (Intermediate)

Driving licence

B

PUBLICATIONS

Journal articles

"Phytoextraction of arsenic, nickel, selenium and zinc from sewage sludge: from laboratory to pilot scale." ; Mirko Salinitro, Sofia Montanari, Andrea Simoni, Claudio Ciavatta, Annalisa Tassoni ; Plant and Soil (2022)
doi.org/10.1007/s11104-022-05630-y

"Trace Metal Accumulation and Phytoremediation Potential of Four Crop Plants Cultivated on Pure Sewage Sludge" ; Mirko Salinitro, Sofia Montanari, Andrea Simoni, Claudio Ciavatta, Annalisa Tassoni ; Agronomy (2021)
dx.doi.org/10.3390/agronomy11122456

Conference proceedings

"Phytoremediation potential of crop plants cultivated on sewage sludges: a preliminary study." ; Mirko Salinitro, Sofia Montanari, Andrea Simoni, Claudio Ciavatta, Annalisa Tassoni ; 11th International Conference on Environmental Engineering and Management, Muttentz (Switzerland) (2021)
icem.cc/

"Phylogeography of the Iberomagrebian endemism present on gypsiferous soils *Ononis tridentata* L. (fabaceae) in the Iberian peninsula." ; María I. Martínez-Nieto, Sofia Montanari, Antonio J. Mendoza-Fernández, Fabián Martínez-Hernández, Francisco J. Pérez-García, Encarna Merlo y Juan F. Mota ; 9º Congreso de Biología de la Conservación de Plantas, Granada (Spain) (2019)
congreso.conservacionvegetal.org/

"Important Plant Areas (IPAs) for the conservation of the Iberian gypsophilous flora: a metaheuristic approach." ; Sofia Montanari, Fabián Martínez-Hernández, Francisco J. Pérez-García, Antonio J. Mendoza Fernández, Esteban Salmerón-Sánchez, Encarna Merlo, Juan F. Mota ; GYPWORLD: II International Workshop, Reggio Calabria (Italy) (2019)
gypworld.com/