PERSONAL INFORMATION

Francesca Mancini

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Sex Female | Date of birth 14/11/1992 | Nationality Italian

STUDIES APPLIED FOR

Master's degrees (MSc) in Geological Sciences and Technologies (LM-74)

WORK EXPERIENCE

2020–Present PhD course in Earth System and Built Environments

INGEO - University "G. D'annunzio" of Chieti-Pescara, Viale Pindaro, 42, 65122 Pescara (PE)

Curricula in **Earth and Planetary Sciences (supervisor: Full Prof. G.G. Ori)**

01/10/2019–21/12/2019 Support collaborator in geological study activities

Activities: seismic surveys and geological report

06/08/2019–06/09/2019 Occasional self-employment

INGEO - University "G. D'annunzio" of Chieti-Pescara, Via dei Vestini, 31, 66100 Chieti (CH)

Research topic **"Numerical methods for estimating the liquefacibility of soils" (scientific manager: Prof. Eng. G. Vessia)**

2017–2018 CRUST curricular internship (70 hours)

DiSPuTer - University "G. D'annunzio" of Chieti-Pescara, Via dei Vestini, 31, 66100 Chieti (CH)

"Analysis and synthesis of structural data related to quaternary faults in sample areas; introduction to the reconstruction of the corresponding field of efforts" (tutors: Prof. G. Lavecchia and Dr. D. Cirillo)

EDUCATION AND TRAINING

2015–2019 Master's degree (MSc) in Geological Sciences and Technologies
(LM 74), obtained on 04/10/2019 with vote 110/110 and honors.

University "G. D'annunzio" of Chieti-Pescara
Via dei Vestini,31, 66100 Chieti (CH)

Thesis in Geology Applied to Seismic Areas "Definition of synthetic inputs in the study of local seismic response in Cortino (TE) municipality" (thesis supervisor: Prof. Eng G. Vessia and Dr. S. D'Amico)

2017–2018 Educational path 24 CFU

University "G. D'annunzio" of Chieti-Pescara

Via dei Vestini,31, 66100 Chieti (CH)

24cfu in: cultural anthropology, educational technologies and elements of docimology, educational design and methodology of pedagogical research, psychology of teaching-learning processes in schools

| 2011–2015 | Bachelor's degree in Geological Science (L-34) obtained on 07/15/2015 with vote 102/110 |

University "G. D'annunzio" of Chieti-Pescara
Via dei Vestini,31, 66100 Chieti (CH)

Thesis in Applied Geochemistry "Survey and analysis of waste waters, delivered into Pescara river from the port channel" (thesis supervisor: Prof. G. Rosatelli and Prof. F. Stoppa)

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
Ielts (in progress)				
A1	A2	A1	A2	A2

English (first data row), French (last data row)

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

Communication skills
- Good communication and interpersonal skills developed both in the university environment on the occasion of private repetitions, group projects and participation in scientific courses and conferences, and thanks to the experience of volunteering
- Open to close interaction with people that have different technical and social backgrounds, willing to participate in the multidisciplinary aspects concerning projects

Organisational / managerial skills
- I worked in a multidisciplinary team (during my master's thesis I was able to collaborate with different and remote professional figures)
- Leadership (I coordinated group work of 6 people)
- Excellent organizational skills acquired during the numerous group work carried out during the university and in voluntary activities
- Ability to plan commitments and responsibilities with precision and attention to details in order to respect deadlines
- Availability to travel to acquire new skills and experience

Job-related skills
- Experience in database processing through the use of Geographic Information System software, with particular reference to applications in Geosciences
- Good reading skills, use and interpretation of graphics and thematic maps (topographic, geological, structural, hydrogeological, geomorphological, orthophoto, CTR and DEM maps)
- Good knowledge of the main italian geological-technical regulations (DM 17 01 2018) and environmental (Legislative Decree 152/2006) acquired during the three-year and master thesis activities
- Strong interest in issues related to studies aimed at seismic microzonation and to seismic hazard and excellent skills in the study of 1D and 2D local seismic response analyzes

Digital skills   SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

▪ Operating systems: **Windows**, **Linux**

▪ Software:

- Excellent mastery of various **Office system** applications (**Word**, **Excel**, **PowerPoint**, **Publisher**, **Access**) and **LibreOffice**

- Excellent ability to process .dat files (**UltraEdit**, **NotePad ++**)

- Excellent knowledge of computer remote control programs (**TeamViewer**, **Supremo**, **X2Go Client**)

- Good programming skills (**MATLAB**, **Phyton**, **Fortran**)

- Excellent knowledge of programs for the management of territorial computer systems (**QGis**, **ArcMap**)

- Good working skills with programs that use digital images (**Google Earth Pro**, **GeoMapApp**, **Global Mapper**)

- Excellent skills with graphic editing programs (**Abobe Illustrator**, **Inkscape**, **CorelDraw**, **Canvas**)

- Excellent mastery of the calculation codes used for local seismic response analysis 1D (**Strata**) e 2D (**LSR2D**)

- Excellent knowledge of the calculation code for the synthetic accelerograms's elaboration (**EXSIM**) and of the program for the selection of natural spectrum-compatible accelerograms (**REXELite**)

- Good knowledge of the program for visualization and basic analysis of seismograms **SeisGram2k** and **SismaReader**

- Good ability to process structural geological data (**FaultKin**, **Stereonet**, **MOVE Midland Valley**) and to calculate the resistance parameters of the rock mass (**RocLab**)

- Basic knowledge of the **Geopsy** seismic data analysis program

- Good ability to plot and create maps and sections using **Generic Mapping Tools GMT**

- Basic knowledge of the geostatistical analysis program **Geovariances Isatis**

Driving licence   B

ADDITIONAL INFORMATION

Published Abstracts
- **Mancini F.**, Placentino E., Vessia G. (2018) "Peculiar characters of near and far fiel measured parameters from recent Italian strong motion events", 36th General Assembly of the European Seismological Commission, Valletta - Malta, ESC2018-S29-103, 2018, DOI: 10.13140/RG.2.2.14779.26406

Presentations/Poster
- **Mancini F.**, Placentino E., Vessia G. (2018) "Peculiar characters of near and far fiel measured parameters from recent Italian strong motion events", 36th General Assembly of the European Seismological Commission, Valletta - Malta

- Di Ceglie R., **Mancini F.**, Placentino E. (2017) "Seismotectonic zoning of the western offshore Alps", realized during the university course of Seismotectonics and Seismogenesis

- Di Quilio L., Di Camillo M, Cotellessa M., Zaccaria D., **Mancini F.**, D'Arcangelo S. (2013) "The section of Gorgo in Cerbara", Jack day - A day dedicated to Giovanni Pallini, at "G. D'annunzio "of Chieti-Pescara

Conferences
- Certificate of participation in the "36th General Assembly of the European Seismological Commission (ESC)" (from 09/02/2018 to 09/07/2018) held in Valletta - Malta

- Certificate of participation in the "Giornata Donzelli" Conference (on 11/12/2015) at the "G. D'annunzio "of Chieti-Pescara

Certifications	■ "Plan and direct drainage works" (4 hours, on 12/04/2019) held by INAIL-Ordini Geologi, Agronomi e Agrotecnici Molise

- "Plan and direct drainage works" (4 hours, on 12/04/2019) held by INAIL-Ordini Geologi, Agronomi e Agrotecnici Molise
- *"IELTS combo" course* (50 hours, from 05/02/2019 to 07/25/2019)at the British School of Pescara
- *"Evaluation on the potential of land liquefaction: analysis levels and application examples" course* (8 hours, on 04/16/2019) held by Dr. A. Chiaradonna at the University of G.d'Annunzio Chieti-Pescara
- *"MATLAB Onramp"* course (on 12/26/2018) held on the MathWorks platform
- *"Real-World GIS" course* (2 hours and 43 min, on 05/15/2018) held on the Linkedin Learning platform
- *"Theoretical and practical course on the Georadar"* (24 hours, from 01/29/2018 to 02/01/2018) held by Dr. R. Persico at the University of G.d'Annunzio Chieti-Pescara
- *"Deterministic simulation of ground motions related to the seismic sequence of the central Italy 2016" course* (8 hours, on 09/29/2017) held by Dr. S. D'Amico at the University of Malta, MsidaSimulations performed using EXSIM code
- *"Geostatistics: theory and technologies to environmental variables"* course (4 cfu, 40 hours, from 02/20/2017 to 02/24/2017) held by A. Castrignanò at the University of G.d'Annunzio Chieti-Pescara

  Practical activities carried out through the use of Isatis software
- *"Medium risk workers training"* course (12 hours, from 10/20/2015 to 28/04/2016) at the University of G.d'Annunzio Chieti-Pescara
- English certification *Trinity* A2 (on 07/05/2006) at the "M. Brigida" State Middle School of Termoli (CB)
- Certificate of participation and merit for the activity of strengthening "Chemistry in compulsory education" (on 06/15/2006) at the "M. Brigida" State Middle School of Termoli (CB)
- "At school with the Civil Protection" course (on 02/24/2005) at the "M. Brigida" State Middle School of Termoli (CB)

Projects

- "Spicole di Spugna" progect (from 09/23/2013 to 09/27/2013) geological excursion carried out in Piobbico (PU) thanks to funds for cultural activities of the University "G. D'annunzio" of Chieti - Pescara

- "Alternanza scuola-lavoro" project (40 hours, from 02/01/2010 to 02/11/2010) at the State Comprehensive School of Nursery, Primary and Secondary School of Guglionesi (1st and 2nd level) CB). Activity: graphic - pictorial - theatrical laboratory.

- "Smiles in the hospital" project (May-June 2009) internship at the hospital playroom of the "S.Timoteo" Civil Hospital in Termoli (CB).

- "Smiles in the hospital" project (28 hours, from 01/27/2009 to 03/20/2009) managed by the Association of Hospital Volunteers - Termoli Section in Guglionesi at the headquarters of the State Magistral Institute "D.Pace "

Reports

- "Central Apennines Seismic sequence: classification of the municipality of Amatrice and analysis of local seismic response of the municipality of Arquata del Tronto" carried out during the university course in Geology Applied to Seismic Areas

- "Stratigraphic survey of Kellaria zone, Central Greece" carried out during the stratigraphic survey course

-"Interpretation of one of the seismic lines acquired in the Broad Fourteens Basin (Netherland)" carried out during the course of seismic lines interpretation.

-"Geomorphological survey of the areas of Borrello (CH), Raiano (AQ), San Martino sulla Marrucina (CH) carried out during the course of surveying and geomorphological mapping

Personal data treatment

I authorize the processing of personal data contained in my curriculum vitae based on art. 13 of Legislative Decree 196/2003 and art. 13 of EU Regulation 2016/679 concerning the protection of individuals with regard to the processing of personal data.