

PERSONAL INFORMATION



Jessica Zappa

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📅 Date of Birth 10th Dec 1993 | 🇮🇹 Nationality Italian

EDUCATION AND TRAINING

1st January 2021 - present

PHD STUDENT IN "MODELS AND METHODS FOR MATERIAL AND ENVIRONMENTAL SCIENCES", XXXVII cycle

Università degli Studi Di Modena e Reggio Emilia

Thesis title: **"Plant biodiversity and ecosystem safeguard: Learn from the past to plan the future"**

Tutor: Prof. Anna Maria MERCURI (Lab. di Palinologia e Paleobotanica)

AA 2019/2020 – AA 2020/2021

MASTER'S DEGREE IN CONSERVATION SCIENCES (LM - 11)

Università degli Studi di Milano

- Subjects of interest: Mineralogical and Petrographical diagnostics, Geomorphology and Geomorphological Heritage, Microclimatology, Integrated Course Of Advanced Biotechnologies Applied To Cultural Heritage, Spatial Analysis, Palaeontology and Vertebrate Palaeontology, Conservation and Valorisation of Scientific Instruments, Sedimentology, Analytical Methods for Environmental Degradation, Geographical Information Systems and Environmental Modelling.
- Thesis title: **"Ricostruzione paleoambientale nel Kurdistan iracheno: studio palinologico della sequenza tardo quaternaria di Faideh"**

Supervisor: Prof. Andrea ZERBONI

Co-supervisors: Prof. Anna Maria MERCURI, Dr. Assunta FLORENZANO, Dr. Luca FORTI

Final Grade: 110/110 cum laude

AA 2016/2017 – AA 2018/2019

BACHELOR'S DEGREE IN CONSERVATION SCIENCES (L - 43)

Università degli Studi di Milano

- Subjects of interest: Botany, Mineralogy, Petrography, General and Inorganic Chemistry, Statistics, Physics, Computer technology, Analytical chemistry, Analytical methods for Cultural Heritage, Palaeontology, Geology, Microbiology, Geoarchaeology and Quaternary Geology, Archaeobotany, Anthropology, Palynology, Archaeozoology.
- Thesis title: **"Palinologia dei pozzi della Terramara di Poviglio: tracce del paesaggio agrario dell'Età del Bronzo"**

Supervisor: Prof. Andrea ZERBONI

Co-supervisors: Dr. Maria Chiara MONTECCHI, Prof. Anna Maria MERCURI, Prof. Mauro CREMASCHI

Final Grade: 110/110 cum laude

July 2013 **LINGUISTIC HIGH SCHOOL DEGREE**
Liceo Linguistico Carlo Porta, Monza
73/100

INTERNSHIPS

February 2021- June 2021 **INTERNSHIP IN PALYNOLOGY**

Università degli Studi di Modena e Reggio Emilia / Università degli Studi di Milano

- Development of archaeobotanical/paleoenvironmental skills, in particular on methods for the treatment of pollen samples
- Development of general skills in the research method (data analysis with specific software, bibliographic research, morphological and biometrical analysis with optical microscope)
- Development of the ability to interpret the palynological data together with other indicators aimed at reconstructing the paleoenvironment and at distinguishing the natural and the human influences on the pollen rain.

July 2020 – December 2020 **INTERNSHIP IN SPATIAL ANALYSIS APPLIED TO ARCHAEOLOGY**

Università degli Studi di Milano

- Application of statistical analysis to archaeological contexts with the purpose to understand and evaluate the spatial relationships among objects and try to interpret their distribution.
- Case study on an African context in the Libyan Sahara aimed at characterizing the distribution of the so called "Tethering Stones" dating back to the Pastoral Neolithic.

October 2018 – March 2019 **INTERNSHIP IN PALYNOLOGY**

Università degli Studi di Modena e Reggio Emilia

- Treatment of archaeological samples for the extraction of pollen and palynomorphs
- Preparation of slides with pollen material
- Examination of the comparison collection
- Analysis of pollen samples from different phases of the site Terramara Santa Rosa, Poviglio (Reggio Emilia)
- Bibliographical research aimed at studying the environmental transformation in the Po Plain during the Middle Bronze Age

July 2018 – August 2018 **INTERNSHIP IN GEOARCHAEOLOGICAL EXCAVATION**

Università degli Studi di Milano, Site: Terramara Santa Rosa di Poviglio, Excavation's Director: Prof. Mauro Cremaschi

- Geoarchaeological excavations
- Organization of the site
- Documentation
- First operations on the archaeological material.

PUBLICATIONS

Chapters in Volumes

- Florenzano A., Clò E., **Zappa J.**, Montecchi M.C., Furia E., Torri P., Mercuri A.M., 2021. *Paesaggio vegetale sulla base delle analisi del riempimento dei pozzi al margine del Villaggio Grande della Terramara Santa Rosa di Poviglio*, in: Cremaschi M., Pizzi C. (Eds.), *Terramara Santa Rosa di Poviglio – Le strutture idrauliche al margine del Villaggio Grande (scavi 1998 – 2011)*. ISBN 978-88-6045-085-2

Abstracts in conferences (* Poster; **Oral presentations)

- **Zappa J.****, Forti L., Florenzano A., Mercuri A.M., Regattieri E., Zerboni A. 2021. *Late Quaternary paleoenvironmental reconstruction of Faideh fluvio-lacustrine sequence in the Kurdistan Region of Iraq: a palynological approach*. BeGeoScientists Abstract Book, DOI: <https://doi.org/10.3301/ABSGI.2021.04>
- **Zappa J.****, Forti L., Florenzano A., Mercuri A.M., Regattieri E., Zerboni A. 2021. *Palynology from Lake Faideh: environmental changes and human influence in Upper Mesopotamia (ca. 32,000 - 8,000 BC)*. In: Florenzano A. & Clò E. (Eds.). 2021. *Mediterranean Palynology Societies Symposium 2021*. Abstracts Book. Modena, Italy. ISBN 9788894344219.
- Mercuri A.M., Clò E., Florenzano A., Torri P., Furia E., **Zappa J.**, Zerboni A. & Cremaschi M., 2021. *High-resolution palynological approach for the palaeoenvironmental reconstruction of the Po Plain during the Bronze Age (Terramare culture, Northern Italy)*. Prehistoric Wetland Sites Of Southern Europe Archaeology, Chronology, Palaeoecology And Bioarchaeology (Online, 29-30 April 2021)
- **Zappa J.***, Clò E., Florenzano A., Torri P., Furia E., Montecchi M.C., Mercuri A.M., Zerboni A., Cremaschi M. 2020. *L'ambiente delle Terramare: territorio e vita di una popolazione dell'Età del Bronzo ricostruiti tramite la palinologia*. 115° Congresso Della Società Botanica Italiana (9–11 Settembre 2020, Online) Volume Degli Abstract, P. 169. ISBN: 978–88–85915–24–4
- **Zappa J.***, Clò E., Florenzano A., Torri P., Furia E., Montecchi M.C., Mercuri A.M., Zerboni A., Cremaschi M. 2019. *Palinologia dei pozzi della Terramara di Poviglio: tracce del paesaggio agrario dell'Età del Bronzo*. A Conservation Carol (20 December 2019, Milano) http://conservationcarol.di.unimi.it/download/Abstract_Poster/Jessica%20Zappa.pdf

CONFERENCES

7-10 October 2021

BeGeoScientists, A young network 2021, Università degli Studi di Napoli Federico IIORAL PRESENTATION: “*Late Quaternary paleoenvironmental reconstruction of Faideh fluvio-lacustrine sequence in the Kurdistan Region of Iraq: a palynological approach*”

- 6-8 September 2021 **Mediterranean Palynology Societies Symposium 2021**, Online
ORAL PRESENTATION: "*Palynology from Lake Faideh: environmental changes and human influence in Upper Mesopotamia (ca. 32,000 - 8,000 BC)*"
- 9-11 September 2020 **115° Congresso Della Società Botanica Italiana Onlus**, Società Botanica Italiana (SBI), Online
POSTER: "*L'ambiente delle terramare: territorio e vita di una popolazione dell'Età del Bronzo ricostruiti tramite la palinologia*"
- 20 December 2019 **A Conservation Carol: Interdisciplinary Approaches In The Conservation Of The Cultural Heritage**, Università Degli Studi Di Milano
POSTER: "*Palinologia dei pozzi della Terramara di Poviglio: tracce del paesaggio agrario dell'Età del Bronzo*"
- 2-5 July 2019 **3rd International Congress On Stratigraphy**, Università Degli Studi Di Milano
- 11-14 September 2019 **8th International Brachiopod Congress**, Università Degli Studi Di Milano

IT SKILLS

- Knowledge of the software **R STUDIO** for the application of statistical analysis and implementation of graphics
- Knowledge of the software **ARCGIS** for the elaboration of maps and the extraction of useful data
- Partial knowledge of the software **MATLAB**
- Knowledge of the graphic elaboration software **TILIA** (Grimm 2004, <https://www.tiliait.com/>) for the elaboration of stratigraphic data

LINGUISTIC SKILLS

- ENGLISH B2 (First Certificate, CAMBRIDGE ESOL, 2012)
C1 (Placement Test, SLAM UNIVERSITÀ DEGLI STUDI DI MILANO, 2016)
- SPANISH B2
- FRENCH B1
- GERMAN scholastic

PREVIOUS WORK
EXPERIENCE

- June 2014 – June 2016 Flight Dispatcher and Flight Operations, S.A.C.B.O S.p.A., "Il Caravaggio" International Airport, Orio al Serio, Bergamo
- Fixed Term contract
 - Flight dispatcher, airport handling; supervision of assistance activities; push back and de/anti-icing procedures; managing of related documentation.

OTHER INFORMATION

- Frequency of the course: "*Ethnobotany: the role of plants in our life*" on EduOpen
- Frequency of the "*Training Course For Educators Of The Botanical Gardens In Lombardy*" by Rete Degli Orti Botanici della Lombardia in January/February 2020.
- Frequency of the "*Field School In Paleobiological Excavation And Restoration*", organized by ISA (Istituto Studi Archeo-Antropologici), Firenze, in November 2017.
- Member of *Gruppo Mineralogico Lombardo* (GML) since 2015
- Member of *Circolo Astrofili di Milano* from 2015 to 2018

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003 and the EU GDPR 2016/679, I hereby authorize you to use and process my personal details contained in this document.

Vimercate (MB), 25 November 2021,

Jessica Zappa

