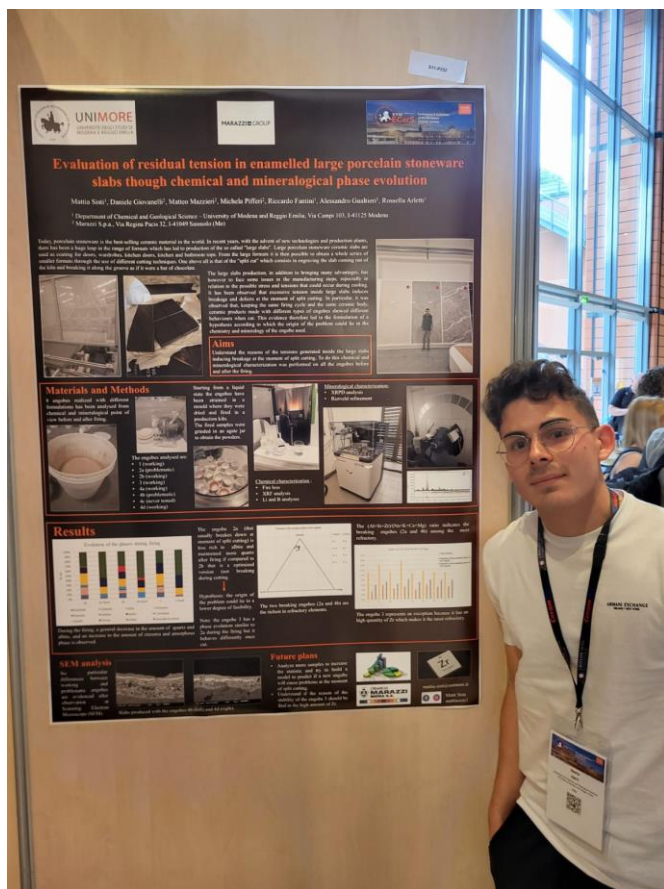


European Curriculum Vitae

Personal Informations



Name: **MATTIA SISTI**

Work address: Università degli Studi di Modena e Reggio Emilia, Dipartimento di Scienze Chimiche e Geologiche, Via G. Campi, 103 – 41125 Modena (Italy)

Address: Via Radici in Monte, 146/c - 42014 Castellarano (RE, Italy)

Telephone: +39 059 205 8497

Mobile: +39 3456298030

Work e-mail: mattia.sisti@unimore.it

Personal e-mail: sistimattia@gmail.com

Social media: Matti Sisti (Facebook), mattiasisti3 (Instagram)

Gender: Male

Date of birth: 01/10/1998

Nationality: Italian

Work experiences

01/11/2023 – Present

PhD Student

Università degli Studi di Modena e Reggio Emilia, Dipartimento di Scienze Chimiche e Geologiche, Via G. Campi, 103 – 41125 Modena (Italy)

The project consists in the use of chemical, mineralogical and microstructural techniques to analyse old and new ceramic materials with the aim of understanding what changes have occurred in the bodies formulations after the Ukrainian crisis and how these changes have affected the technological properties of the porcelain stoneware tiles. The final objective corresponds to find a possible eco-sustainable and economic solution.

16/01/2023 – 31/10/2023

Research fellow

Università degli Studi di Modena e Reggio Emilia, Dipartimento di Scienze Chimiche e Geologiche, Via G. Campi, 103 – 41125 Modena (Italy)

Research activity about the project “Development and characterization of ceramic products with low environmental impact”.

May 2020 - Present

Volleyball coach and social media manager

Volley Roteglia, Via Radici in Monte, 133 – 42014 Castellarano (RE, Italy)

Assistant coach in teams Under 16, Second Division and First Division and social media manager for the sport club “Volley Roteglia”.

April 2022 – August 2022

Curricular internship

Marazzi Group S.r.l., Via Regina Pacis, 39/a – 41049 Sassuolo (MO, Italy)

Preparation of ceramic engobes, glazes and ceramic raw materials and subsequent chemical, mineralogical and thermal analyses with the aim to obtain a complete characterization and to be able to observe the differences that they present from a chemical and mineralogical point of view.

February 2020 – May 2020

Curricular internship

Università degli Studi di Modena e Reggio Emilia, Dipartimento di Scienze Chimiche e Geologiche, Via G. Campi, 103 – 41125 Modena (Italy)

Creation of a database of data relating to the $^{87}\text{Sr}/^{86}\text{Sr}$ isotope ratio for the following purpose of realizing an Italian map of the variation of the $^{87}\text{Sr}/^{86}\text{Sr}$ ratio.

January 2017 – January 2017

Trainee student

System Ceramics Spa, Via Ghiarola Vecchia, 73 – 41042 Fiorano (MO, Italy)

Introduction to digital decoration: use of digital printing machines to test products coming from color factories and intended to ceramic use.

Education and Training

Academic year 2020/2021 – 2021/2022

Master's degree in Geosciences, Georisks and Georesources

Università degli Studi di Modena e Reggio Emilia,
Dipartimento di Scienze Chimiche e Geologiche, Via G.
Campi, 103 – 41125 Modena (Italy)

Thesis title: “Chemical and mineralogical characterization of
ceramic engobes and glazes aimed at understanding the stress
states generated inside the large glazed slabs”

Degree grade: 110/110 cum laude

Academic year 2017/2018 – 2019/2020

Bachelor's degree in Geological Sciences

Università degli Studi di Modena e Reggio Emilia,
Dipartimento di Scienze Chimiche e Geologiche, Via G.
Campi, 103 – 41125 Modena (Italy)

Thesis title: “Italian strontium isoscape for provenance
studies”

Degree grade: 110/110 cum laude

2012/2013 – 2016/2017

High school diploma in Chemistry, Materials and Biotechnology

Istituto di Istruzione Superiore “Alessandro Volta”, Piazza
Giovanni Falcone e Paolo Borsellino, 5 – 41049 Sassuolo
(MO, Italy)

Final grade: 100/100

Personal skills and competences

Madrelingua: **Italian**

Other languages: **English** (Understanding = B1, Speaking = B1, Writing = B1)

Certificates: **B1 level certificate in English**, University of Cambridge, 18/04/2016

Digital skills: Information processing = base user

Communication = expert user

Content creation = base user

Safety = autonomous user

Troubleshooting = base user

Basic computer skills:	Word processing = intermediate user
	Spreadsheets = intermediate user
	Presentation software = intermediate user
	Office suites = intermediate user
	Web Browser = expert user
	Operating systems = base user
Driver's license:	B

Awards

19/04/2018

Premio Lucchese XXXI edizione

Certificate for the brilliant results obtained during the 2016 – 2017 school year at the Technical Institute “A. Volta” of Sassuolo

Publications and conference contributions

Riccardo Fantini, Mattia Sisti, Rossella Arletti, Daniele Malferrari, Maria Cristina Gamberini, Mauro Zapparoli, Filippo Da Val, Alessandro Cavallo, Alessandro Francesco Gualtieri, (2023), “Nature and quantification of Ni in serpentinite rocks from Valmalenco (Sondrio, Central Alps, Northern Italy)”, Submitted

Rossella Arletti, Riccardo Fantini, Sonia Conte, Alessandro Francesco Gualtieri, Michele Dondi, Francesco Colombo, Mattia Sisti, Chiara Molinari, Chiara Zanelli, (2023), “Reappraisal of red clays in porcelain stoneware production: compositional and technological characterization”, Submitted

Oral presentations

Mattia Sisti, Fernanda Andreola, Luisa Barbieri, Davide Guidetti, Alessandro F. Gualtieri, Rossella Arletti, “Economia Circolare e Piastrelle Ceramiche: valorizzare gli scarti per la produzione di smalti ceramici”, Linee di ricerca e primi risultati per la filiera ceramica nel progetto Ecosister, Venerdì 1° Dicembre 2023

Mattia Sisti, Daniele Giovanelli, Matteo Mazzieri, Michela Pifferi, Riccardo Fantini, Alessandro Gualtieri, Rossella Arletti, "Evaluation of residual tension in enamelled large porcelain stoneware slabs through chemical and mineralogical phase evolution and SEM microstructural analysis", BeGEO2023 - “Sustainability and Risks: BeGeoScientists on the road to the future”, Napoli, 3-6 October 2023

www.begeos.it/conference/

Mattia Sisti, Daniele Giovanelli, Matteo Mazzieri, Michela Pifferi, Riccardo Fantini, Alessandro Gualtieri, Rossella Arletti, "Evaluation of residual tension in enamelled large porcelain stoneware slabs through chemical and mineralogical phase evolution and SEM microstructural analysis", The Geoscience paradigm: Resources, Risks and future perspectives - Congresso congiunto SIMP, SGI, SOGEI, AIV, Potenza, 19-21 Settembre 2023

www.geoscienze.org/potenza2023/

Fantini R., Sisti M., Arletti R., Malferrari D., Cavallo A. & Gualtieri A.F., "Identification and quantification of Ni occurrence in serpentinites from the Valmalenco mining area (Sondrio, Central Alps, Northern Italy)", The Geoscience paradigm: Resources, Risks and future perspectives - Congresso congiunto SIMP, SGI, SOGEI, AIV, Potenza, 19-21 Settembre 2023
www.geoscienze.org/potenza2023/

Poster presentations

Mattia Sisti, Nora Maria Fernanda Andreola, Luisa Barbieri, Davide Guidetti, Alessandro F. Gualtieri, Riccardo Fantini, Rossella Arletti, "Recycling the Product of Thermal Inertization of Man-Made Vitreous Fibres (MMVF) as secondary raw material for the Production of Ceramic Glazes", BeGEO2023 - "Sustainability and Risks: BeGeoScientists on the road to the future", Napoli, 3-6 October 2023
www.begeos.it/conference/

Colombo F., Sisti M., Pini I. & Arletti R., "Chemical, physical, and mineralogical characterization of wastes derived from rock-processing in Valtellina: a preliminary insight into their possible recovery and exploitation", BeGEO2023 - "Sustainability and Risks: BeGeoScientists on the road to the future", Napoli, 3-6 October 2023
www.begeos.it/conference/

Mattia Sisti, Daniele Giovanelli, Matteo Mazzieri, Michela Pifferi, Riccardo Fantini, Alessandro Gualtieri, Rossella Arletti, "Evaluation of residual tension in enamelled large porcelain stoneware slabs through chemical and mineralogical phase evolution", XVIIIth EcerS Conference & Exhibition of the European Ceramic Society, Lyon, 2-6 July 2023
www.ecers2023.org/

Michael Fischer, Riccardo Fantini, Lorenzo Mino, Mattia Sisti, "Elucidating host-guest interactions in UV filter-zeolite composites by combining IR spectroscopy and DFT calculations", 31th annual meeting of the German Crystallographic Society (DGK) - March 2023

Francesco Colombo, Giorgia Confalonieri, Mattia Sisti, Gianluca Malavasi, Rossella Arletti, "Moving toward circular economy: REE recovery from spent fluorescent lamps exploiting NH₄ – 13X zeolite cation exchange properties", AIZ Day 2022 - Workshop on Zeolites Science and Technology

Riccardo Fantini, Lorenzo Mino, Mattia Sisti, Michael Fischer, "Structural and computation study of zeolite – Encapsulated UV filters ", AIZ Day 2022 - Workshop on Zeolites Science and Technology