

CURRICULUM VITAE ET STUDIORUM

Personal Informations

Name Marta
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Work Activities

<i>Period</i>	<i>Institution</i>
15/10/2019 - today (contract expiry 15/10/2020)	Internship at Department of Chemistry and Industrial Chemistry, University of Genoa (Italy), affiliated with Nanochemistry Department, Istituto Italiano di Tecnologia of Genoa (Italy).
28/06/2018 - 31/10/2018	Internship at Department of Chemistry and Industrial Chemistry, University of Genoa (Italy).

Thesis Informations

Title: *Emissive Double Perovskites for Optoelectronic Applications*
Internal Supervisor: Prof. M. Ferretti
External Supervisor: Prof. L. Manna
Correlators: Dr. F. Locardi and Prof. A. M. Cardinale

Title: *Study of the Y-Mg System with the Diffusion Couple Method*
Supervisor: Dr. Pavlo Solokha

Education

<i>Period</i>	<i>Position</i>
2018 - today	Student in Chemical Science at University of Genoa (Italy).

2015 - 2018 Student in Chemistry and Chemical Technologies at University of Genoa (Italy).

14/12/2018: Degree in Chemistry and Chemical Technologies at University of Genoa (Italy).

Thesis Title: *Study of the Y-Mg System with the Diffusion Couple Method*
Supervisor: Dr. Pavlo Solokha
Final Degree Mark: 110/110

2010-2015 Student at C. Colombo
Classical High School of Genoa
(Italy).

2015: Secondary School Diploma
Kind of Secondary School Diploma: Italian
Secondary School Diploma

Research Interests

My research interests concern the study of luminescent materials and their optoelectronic applications. To date, I have worked on the synthesis and characterization of emissive double perovskites. I still work on this topic for my master thesis. In particular, the project is focus on the synthesis and characterization of new materials, both as nanoparticles and single crystals, to be used for optoelectronic application, such as in LED and Luminesce Solar Concentrator (LSC).

During these researches, I implemented my knowledge about the synthesis of inorganic nanocrystals and bulk compounds. Moreover, during my master internship, I had the opportunity to work in Istituto Italiano di Tecnologia of Genoa (Italy), where I could make experience of teamwork. I also learned to use different experimental techniques, such as fluorimeter, spectrophotometer and transmission electron microscope (TEM), X-ray diffractometer (XRD).

Languages

Mother Tongue: Italian

Other Languages:

	Listening	Reading	Writing	Speaking (spoken production)	Speaking (spoken interaction)
<i>English</i>	B2	B2	B2	B2	B2
<i>French</i>	A1	A1	A1	A1	A1

Formative Experiences

- During the period of university studies, I helped students of high school in the study of scientific subjects.
- In 2014, I was chosen as the representative of C. Colombo Classical High School at the 36th Pilgrimage to the Nazi Extermination Camps, organized by the province of Genoa (Italy), in collaboration with A.N.E.D..
- In 2013 I participated in a project of scientific animation, entitled "The water that doesn't soak", organized by "Festival della Scienza" association in Genoa (Italy). During this experience, I had the opportunity to acquire new knowledge and skills and to present the project in front of an audience. I was also able to work in a team, collaborating and comparing myself also with other students.
- 2005-2008: I studied piano privately, participating in piano recitals, organized by "Genoese Music Center" in Genoa (Italy). During these, I received a diploma of merit, on the occasion of the 30th edition.

Genoa, 12/10/2021


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