

PERSONAL INFORMATION

Name Martina Marsotto
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Nationality Italian
Date of birth 10/02/1993



FORMATION AND EDUCATION

- 2019-Present PhD in Material Science, Nanotechnology and Complex Systems, Department of Science, RomaTre University. Research activity "XPS and NEXAFS characterization of nanomaterials"
- 2018-2019 Research Grant PIVOT- Sulfur-based Polymers from Inverse Vulcanization as high refractive index materials for all-polymer planar photonic crystals - Macromolecules Study Institute (ISMAC), CNR, Genoa
- 2015-2017 Master's Degree in Fotochemistry and Molecular Materials, Alma Mater Studiorum, University of Bologna. Thesis "Study of the Interactions Between Hyaluronic Acid and Sub-micromaterials", 110L
- 2011-2014 Bachelor's Degree in Industrial Chemistry, La Sapienza, University of Rome. Thesis "Synthesis and Characterization of Ionic Liquids", 110L

CONFERENCES

- 1) Biomaterials 2020 conference: oral presentation "Structural investigation of bioactive TiO₂ substrates functionalized by adhesion peptides derivatized with chitosan"
- 2) NanoInnovation 2020 conference: poster "SR-XPS and NEXAFS Investigation of Colloidal Networks of Gold Nanoparticles Interconnected by Organometallic Rod-like Oligomers"
- 3) EPF Summer School 2019: "Dynamic and reversible polymer networks"

BEAMTIMES

- 1) Beamline BACH, Elettra, May 2021; experiment#20205191 "Gold Nanorods Functionalized with Dyes for Drug Delivery and Tracing: SR-XPS Study of the Nanomaterial-Dye Interaction"
- 2) Beamline BEAR, Elettra, January 2021; experiment#20205125 "A NEXAFS investigation on the structure of colloidal networks of gold nanoparticles interconnected by rod-like organometallic oligomers"
- 3) Beamline BACH, Elettra, October 2020; experiment#20200046 "Colloidal gold networks made of gold nanoparticles interconnected by organometallic rod-like oligomers: SR-XPS investigation of the network electron-transport properties"

4) Beamline BEAR, Elettra, June 2020; experiment#20195087 "The electronic structure of copper(II) complexes conjugated to gold nanoparticles for the development of new anticancer drugs investigated by NEXAFS spectroscopy"

5) Beamline BEAR, Elettra, November 2019; experiment#20190125 "Grafting of peptide-functionalised chitosans to the titanium surface: a NEXAFS spectroscopy investigation."

6) Beamline MASC (Materials Science), Elettra, November 2019; experiment#20192011 "Copper(I)-based anti-tumor complexes conjugated to gold nanoparticles: molecular, electronic and local structure investigation."

TUTORING

Chemistry for biologists A.A. 2020/2021 50h

Chemistry for physicists A.A. 2020/2021 50h

Chemistry for biologists A.A. 2019/2020 50h

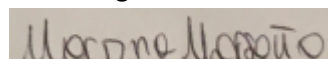
Chemistry for geologists A.A. 2019/2020 50h

LANGUAGES

English B2 IELTS

Date
26/05/2021

Signature



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