

GIULIA ROSSELLA DELPIANO

EDUCATION

- Qualification **BACHELOR DEGREE IN CHEMISTRY**
 - Date 19 /12/2013
 - Institute Università degli studi di Cagliari in collaboration with Università Paris Sud XI through **Erasmus** scholarship
 - Degree mark **99 / 110**
- Title of the thesis Preliminary investigations regarding the development of a protocol for the synthesis of α -amino benzocyclobutanones through the use of an Amadori-Heyns type rearrangement

- Qualification **MASTER DEGREE IN CHEMICAL SCIENCE**
 - Date 21/07 2016
 - Institute Università degli studi di Cagliari
 - Degree mark **109 / 110**
- Title of the thesis Synthesis and characterization of multifunctional systems consisting of mesoporous silica nanoparticles conjugated with proteins and gold nanoparticles with applications in Drug Delivery

- Qualification **PHD IN CHEMICAL SCIENCE**
 - Date present
 - Institute Università degli studi di Cagliari (Chemical and Geological Science Department) in collaboration with the Bernal Institute of University of Limerick (Ireland) and with the Babes-Bolyai University of Cluj Napoca (Romania)
 - Degree mark -
- Title of the thesis Synthesis and characterization of functionalized porous silica-based nanomaterials for the removal of heavy metals from wastewater

EXPERIENCE

- Employment **RESEACH CONTRACT**
 - Period 02/05/2017 – 30/09/16
 - Company Università degli Studi di Cagliari - Chemical and Geological Science Department

- Employment **POST-GRADUATE INTERNSHIP IN RESEARCH LABORATORY**
Synthesis of fluorescent nanodevices based on carbon dots for applications in the field of optical sensors
 - Period 08/11/2016 – 08/02/2017
 - Company Università degli Studi di Cagliari - Physics Department

- Employment **CHEMISTRY TUTOR**
Occasional service for the teaching of IR Spectroscopy and Nuclear Magnetic Resonance (NMR)
 - Period March 2017 – present
 - Company Cultural Association Science Club

- Employment **WAITRESS**
October-December 2017
 - Period
 - Company Bier Keller Restaurant and Pub (Cagliari)

SCIENTIFIC PUBLICATIONS

- Title **ASSEMBLY OF MULTICOMPONENT NANO-BIOCONJUGATES COMPOSED OF MESOPOROUS SILICA NANOPARTICLES, PROTEINS AND GOLD NANOPARTICLES**
- Journal ACS Omega, 2019, 4(6), pp. 11044–11052
- DOI **10.1021/acsomega.9b01240**

- Title **ADSORPTION OF Cu^{2+} AND Zn^{2+} ON SBA-15 MESOPOROUS SILICA FUNCTIONALIZED WITH TRIETHYLENETETRAMINE CHELATING AGENT**
- Journal Journal of Environmental Chemical Engineering, 2019, 7(4), 103205
- DOI **10.1016/J.JECE.2019.103205**

- Title **IMPROVING METAL ADSORPTION ON TRIETHYLENETETRAMINE (TETA) FUNCTIONALIZED SBA-15 MESOPOROUS SILICA USING POTENTIOMETRY, EPR AND SSNMR**
- Journal Advanced Materials Interfaces, 2020, 7(15), 2000544
- DOI **10.1002/ADMI.202000544**

- Title **ADSORPTION OF MALACHITE GREEN AND ALIZARIN RED S DYES USING FE-BTC METAL ORGANIC FRAMEWORK AS ADSORBENT**
- Journal International Journal of Molecular Sciences, 2021, 22(2), pp. 1–16,788
- DOI **10.3390/IJMS22020788**

CERTIFICATES

- Date 25/07/2019
- Institute Università degli Studi di Cagliari

RADIATION PROTECTION

25/07/2019

Università degli Studi di Cagliari

ENGLISH – LEVEL B2

- Date 31/01/2019
- Institute Centro Linguistico di Ateneo (C.L.A.) - Università degli Studi di Cagliari

31/01/2019

Centro Linguistico di Ateneo (C.L.A.) - Università degli Studi di Cagliari

CONGRESSES AND SCHOOLS

- Date 06-10/06/2016
- Site Alma Mater Studiorum - Università di Bologna

NATIONAL COURSE OF INTRODUCTION TO PHOTO-CHEMISTRY

06-10/06/2016

Alma Mater Studiorum - Università di Bologna

- Date 24/05/2019
- Site Univesità degli studi di Sassari (Sardegna, Italy)

SARDINIA GOES NANO - SYMPOSIUM ON NANOTECHNOLOGIES (*POSTER*)

24/05/2019

Univesità degli studi di Sassari (Sardegna, Italy)

- Date 8-13/09/2019
- Site University of Leuven (Belgium)

33TD CONFERENCE OF THE EUROPEAN COLLOID AND INTERFACE SOCIETY (*POSTER*)

8-13/09/2019

University of Leuven (Belgium)

LANGUAGE SKILLS

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

ENGLISH - LEVEL B2

FRENCH - LEVEL A2

TECHNICAL SKILLS

Office (Word, PowerPoint, Excel)

Main chemical-physical investigation technologies (FT-IR spectrophotometry, UV-Vis spectrophotometry, Nuclear Magnetic Resonance NMR, Electrophoretic Light Scattering ELS, Dinamic Light Scattering DLS, Mass Spectrometry, SAXS X-ray Diffractometry, Ranan Spectroscopy, Potentiometry) and related associated software (Opus, MestRe, etc.)

SPORT

SOCIETY

FIELD HOCKEY

Polisportiva Ferrini (Cagliari) from 2001 to 2008

Amsicora (cagliari) from 2009 to 2010

National Team Under 18 category from 2007 to 2010

I expressly authorize the use of my personal and professional data contained in my curriculum vitae.