Carmen Baiano

Curriculum Vitae

Personal Details

Date and place of birth:	08/08/1991 – Naples, Italy
Citizenship:	Italian
Address:	via Francesca Spada 44, 80126 Naples
E-mail:	carmen.baiano@sns.it
Phone:	+39 3401496963

Current Position

01/11/2018 – now **PhD Student in Astrochemistry** @ Scuola Normale Superiore – Pisa, Italy

Education

15/12/2017 **Master Degree in Chemical Sciences**
University of Naples "Federico II"
Thesis: *"Computational Study of Carbon Dioxide Phororeduction on Copper-Iron Delafossite"*
Advisors: A. B. Muñoz-García, M. Pavone **Grade:**110/110 cum laude

17/12/2014 **Bachelor Degree in Chemistry**
University of Naples "Federico II"
Thesis: *"Studio Strutturale in Soluzione di due γ-glutamil-cisteina ligasi da Pseudoalteromonas haloplanktis"*
Advisors: F. Sica **Grade:**108/110

Research Experience

16/04/2018 – 16/10/2018 **Fellowship** @ Università degli Studi di Napoli "Federico II"
"Caratterizzazione di Materiali per lo Stoccaggio/Conversione Elettrochimico di Energia"
funding: Consorzio Interuniversitario Nazionale per la Scienza e la Tecnologia dei Materiali (INSTM)

Conferences and Workshops

- V conference of the Theoretical and Computational Chemistry Division of the Italian Chemical Society – Trieste 2018
  (**Poster presentation:** "Ab initio characterization of CO_2 photoreduction mechanism at $CuFeO_2$ delafossite electrode")
- Young Research Ideas in Chemistry (Y-RICh) – La Sapienza, Rome 2017
- Bio-Universe Conference – Unina, Naples 2015

Publications and Awards

- B. Muñoz García, L. Caputo, E. Schiavo, C. Baiano, P. Maddalena and M. Pavone
  "Ab initio study of anchoring groups for $CuGaO_2$ delafossite-based p-type dye sensitized solar cells"- manuscript under review

- Scholarship for the annual conference of the DCTC SCI division (Trieste 2018)

Additional Skills

Languages:	Italian (native language), English (fluent), Spanish (intermediate), French (basic)
Software:	Windows, Linux and Mac OS. Microsoft Office suite of programs for data collection and presentation. Gaussian and VASP codes for computational modelling of molecules and materials. VESTA, GaussView and Molden for 3D visualization
Other:	Data collection and analysis, problem solving and communication skills

Scientific Community and Dissemination

- Member of the "Società Chimica Italiana (SCI)" since 2018
- Oral presentation at Pint of Science – Naples 2018

Naples 14/12/2018

Signature: