

CURRICULUM VITAE

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Born: 28 February 1989
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Research Interests: *Electrochemistry of self-assembled films, conductive nanostructured materials and development and application of coatings for protection against corrosion. Development and characterization of new electrodes based on nanostructured materials for application as sensors and biosensors for the monitoring of analytes in environmental complexes, in foods and clinical matrices.*

Languages: Portuguese (native language), English

Education:

2008 – 2011 BSc in Chemistry, Universidade Estadual do Piauí, UESPI, Teresina, Brazil
2013 – 2015 MSc in Material Science, Universidade Federal do Piauí, UFPI, Teresina, Brazil
2015 – present PhD in Chemistry, Universidade de Coimbra, UC, Coimbra, Portugal

Scientific Training

1. Workshop on Scanning Electron Microscopy (SEM). Universidade de Coimbra, UC, Coimbra, Portugal, 2016.
2. Mini course: Preparation methods and characterization techniques of nanoparticles for health and environmental applications. Universidade Federal do Piauí, UFPI, Teresina, Brazil, 2014.
3. Mini course: Clays as Biomaterials. Universidade Federal do Piauí, UFPI, Teresina, Brazil, 2014.
4. Mini course: Biosensors - Fundamentals, Potentialities and Applications. Universidade Federal do Piauí, UFPI, Teresina, Brazil, 2014.
5. Mini course: Functional Hybrid Materials: Structure, Properties and Applications. Universidade Federal do Piauí, UFPI, Teresina, Brazil, 2014.

6. Mini course: Nanotechnology Applied to Agriculture: Perspectives and Challenges. Universidade Federal do Piauí, UFPI, Teresina, Brazil, 2014.

7. Mini course Chromatography in Gas Phase and Two-Dimensional Technique. Universidade Federal do Piauí, UFPI, Teresina, Brazil, 2011.

Theses

BSc thesis: Synthesis, characterization and evaluation of adsorptive capacity of MgMCM-41 in CO₂ capture. Universidade Estadual do Piauí, UESPI, Teresina, Brazil, 2011

MSc thesis: Study of the Protection against Corrosion of the steel AISI 1010 coated with PANI-Silicone. Universidade Federal do Piauí, UFPI, Teresina, Brasil, 2015.

Grants

2010 – 2011 ITI - (Inicição científica Tecnológica Industrial) - Technological Industrial Scientific Initiation - Conselho Nacional de Desenvolvimento Científico e Tecnológico - CNPQ, Process: 182796/1010-8-. Brazil

2013 – 2015 MSc Scholarship - Conselho Nacional de Desenvolvimento Científico e Tecnológico – CNPQ/ Fundação de Amparo à Pesquisa do Estado do Piauí- Brazil

2015 – 2019 PhD Scholarship (Science without Border Program) - Conselho Nacional de Desenvolvimento Científico e Tecnológico – Piauí- Brazil.

2016 Collaborative European Union Marie Curie's International Research Staff Exchange Scheme's (IRSES') SmartCancerSens PIRSES-GA-2012-318053 project - research visit to SensorLab, University of Western Cape (UWC), 1st October to 15th December – Cape Town – South Africa.