

VANESSA MOREIRA CÂMARA FERNANDES

Contact: vanessa.fernandes@asu.edu

EDUCATIONAL EXPERIENCE

Doctorate of Philosophy, Microbiology

PhD. Student at the Microbiology program at Arizona State University (ASU)

Tempe, Arizona
Aug 2014 – Current

Bachelor of Science, Biology

Universidade Federal do Ceará

Monograph: Influence of abiotic factors in the richness of archaea in three estuaries of Ceará, Brazil (*in Portuguese*)

Fortaleza, Brazil
Dec 2011

ADDITIONAL COURSEWORK

Introduction to the Bionumerics software: a platform for analysis of biological data

Universidade Federal do Ceará – UFC
Short-term Course 20 Hours

Fortaleza, Brazil
Sep 2008

Biological diversity measures applied to molecular microbial ecology studies

Universidade Federal do Ceará – UFC
Short-term Course 26 Hours

Fortaleza, Brazil
Oct 2009

XX Biology Week

Universidade Federal do Ceará – UFC
Short-term Course 30 Hours

Fortaleza, Brazil
Sep 2008

Marine Mammals Biology

Universidade Federal do Ceará – UFC
Short-term Course 10 Hours

Fortaleza, Brazil
Sep 2008

SCHOLARSHIPS/AWARDS

LASPAU – Latin America Scholarship Program of American Universities

Pre-selected grantee
Science without Borders scholarship for PhD studies

Brazil
Oct 2013 – Jul 2018

Universidade Federal do Ceará and Petrobras

Graduate Research
Issued by Petrobras.

Fortaleza, Brazil
Jan 2013 – Jan 2015

Universidade Federal do Ceará

Undergraduate Research
Issued by Brazilian government agency CNPq.

Fortaleza, Brazil
Jan 2010 – Dec 2011

Embrapa Agroindústria Tropical

Complementary education internship
Issued by Embrapa (Empresa Brasileira de Pesquisa Agropecuária)

Fortaleza, Brasil
Sep 2008 – Aug 2009

PROFESSIONAL EXPERIENCE

International College Program

Walt Disney World Resort - Epcot
Summer Job – Attraction worker

Orlando, Florida
Dec 2010 – Mar 2011

Biotrends

Padetec – Pátio de Desenvolvimento e Tecnologia
*Assistant researcher – Conducted experiments, trained people,
presented results in a comprehensive format.*

Fortaleza, Brazil
Jan 2012 – Apr 2012

RESEARCH EXPERIENCE

Universidade Federal do Ceará and Petrobras

Assistant researcher with scholarship
Access to microbial diversity of oil reservoirs by metagenomics and
evaluation of micro-organisms biosurfactants for applications in MEOR
*Responsibilities: Conducting experiments, statistical analyses, creating
tables and figures to present the results in a comprehensive format.*

Fortaleza, Brazil
2013 - Present

Universidade Federal do Ceará

Scholarship for undergraduate research project

Fortaleza, Brazil
2009 - 2011

Microbial diversity in Rio Grande do Norte e Ceará, Brazil estuaries and it's biotechnological potential

Responsibilities: Conducted experiments, statistical analyses, created tables and figures to present the results in a comprehensive format.

SKILLS

Language Skills

Portuguese: *Native Speaker*

English: *Fluent (Reading, Speaking and Listening) – TOEFL iBT Score: 104 (R-28/L-29/S-23/W-24)*

French: *Basic (Reading and Listening)*

Research Skills

Cultivation-dependent methods: *preparation of culture media, cell counting from different types of soil, microorganisms isolation from environmental samples.*

Cultivation-independent methods: *DNA extraction from environmental samples and pure culture agar plate, PCR (Polymerase Chain Reaction), DGGE (Denaturing Gradient Gel Electrophoresis), clone libraries and DNA sequencing.*

General: *biosafety notions and working in group.*