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About Me

I am a Marie curie fellow and environment scientist with experience of peer-reviewed publication, I leaded and organized national and international climate friendly initiatives and presented to wide audience. Seeking to leverage my professional expertise and experience into a project management roles.

Skills

- Project Management
- Problem Solving
- Creativity
- Leadership
- Digital Design
- Communication Skills

Expertise

- R and Python
- Jupyter notebook
- Illustrator
- Genetic analysis tools
- Linux and BASH
- Proficient in Microsoft Office

Work Experience

- 2018-2022** **Researcher | Spanish National Research Council (EBD-CSIC)**
- Epigenetic analysis (Whole genome Bisulfite sequencing and Reduced Representation Bisulfite sequencing)
 - Planning and development of experiments
 - Monitoring plant and insect species, phenotypic data collection
 - Global methylation estimation and gene enrichment analysis
 - Bioinformatics analysis, statistical analysis, result integration, and report writing
 - Supervised Erasmus+ students on experimentation, data collection and writing
 - Project dissemination at Scientific Conferences and outreach activities
- 2016-2017** **Founding Member and Lead | Gen Lab**
- Leded international and national climate projects
 - Meets work standards by following production, productivity, quality, and audience standard;
 - Creating a project management calendar
 - Developing project innovations strategies & futuristic knowledge pool

Education

- 2019-current** **PhD programme (Marie curie Fellowship)**
- Graduate Program: Environment and Society
Line of Research: Biodiversity and Conservation Biology
Pablo de Olavide University, Sevilla, Spain
- 4 years**
- 2014-2017** **Masters of Science (Erasmus Mundus - LEADER)**
- Conservation Biology, University of Evora, Portugal
2-year Erasmus Mundus (LEADER) Program fellowship
Master Thesis: Soil Microbiology Research area: Study of the diversity of native rhizobia population from chickpea and evaluating the root hair initiation, mainly symbiotic efficiency and tolerance to different soil treatments. (Thesis Score 19/20, Magna cum laude A+, overall 17).
applied to homologate
Website: <http://leader.uevora.pt/>
- 2 years**
- 2011-2014** **Bachelor of Science (Hons)**
- Biochemistry and Molecular Biology, University of Dhaka
Result CGPA 3.53 out of 4 (Class position 7th/64).
applied to homologate
Website: <https://www.pbtlab.du.ac.bd/>
- 4 years**

Reference

Carlos M. Herrera, PhD

Professor of Research,
Spanish National Research
Council, CSIC

João E. Rabaça, PhD

Assistant Professor
Department of Biology
University of Évora

Funds received for projects

EU, UNDP, IPDC, KAICIID, US state Department, Meta, Alibaba, Govt. of Bangladesh

Academic Awards and Scholarships

Linguistic capacities

	Understanding Speaking Writing			
	English	C2	C2	C1
<ul style="list-style-type: none"> Marie S. Curie Innovative Training Network Fellowship (2018). From: European Commission, at the Estación Biológica de Doñana – CSIC (Spain). From April 2018 until April 2021 				IELTS score 8
<ul style="list-style-type: none"> Erasmus Mundus Research Masters Scholarship (2015). From: European Audiovisual and Culture Executive Agency (EACEA) of the European Commission. At in LEADER (Links in Europe and Asia for engineering, eDucation, Enterprise and Research) program in University of Evora, Portugal. From October 2015 until October 2017. 	Spanish	B1	A2	A1
				Intensive course
<ul style="list-style-type: none"> SUMITOMO Corporation Yearly Scholarship (2011) in Undergraduate level. From: SUMITOMO Corporation, Japan. From 2011- 2014 (Yearly). 	Portuguese	A1	A1	A1
				Erasmus Language course
<ul style="list-style-type: none"> Talent pool scholarship both in Secondary and Higher Secondary Certificate results. From: Government of Bangladesh. 2008 – 2010 (Yearly) 	Bengali	Native	Native	Native
	Hindi	Advanced	B2	N/A

International Congress

- Uncovering the epigenetic contribution of plant response to herbivory. Troyee A. N., Alonso C, Medrano M. Turku (Finland), 19–24 August 2019, ESEB2019, European Society for Evolutionary Biology. Poster Communication
- Uncovering the epigenetic component of plant– herbivore interactions. Troyee A. N., Alonso C, Medrano M. Sevilla (Spain), 2–5 July 2019, SEB2019, Society for Experimental Biology. Oral Communication
- Effects of short-term herbivory on plant response and its association with DNA methylation. Troyee A. N., Alonso C, Medrano M. Sevilla (Spain).EpiDiv2021 Conference, 29th September–1st October 2021, organized by the EpiDiverse European Training Network. Oral Communication

National Congress

- Association of DNA methylation in herbivory stress for the natural populations of *Thlaspi arvense*. Troyee A. N., Alonso C, Medrano M. 30 April, Biannual SevinOmics meeting 2021, Online. Oral Communication.
- If plants could remember about their enemies: effect of herbivory on seed production and its potential epigenetic association. Troyee A. N., Alonso C, Medrano M. Sevilla (Spain), 5–7 February 2020. SESBE VII, Congreso de la Sociedad Española de Biología Evolutiva. Oral Communication
- Impact of soil treatments on early root hair infection and nodule occupancy by rhizobia. Troyee AN, Alexandre Ana, Oliveira Solange, Evora (Portugal), 16–17 November 2017, II PhD Students Meeting in Environmental and Agriculture, by ICAAM and IIFA from the Universidade de Évora. Poster Communication

Training Received

Workshop on 'city decarbonisation' on urban decarbonisation roadmaps through a 'learning-by-doing' method by CityMinded project funded by Erasmus+ in Malta held from 11-24 July, 2022.

Member of the organizing and scientific committee of EpiDiv2021 Conference - Linking Ecology, Molecular Biology and Bioinformatics in Plant Epigenetic Research, held from 29th September- 1st October 2021, organized by the EpiDiverse European Training Network in Sevilla, Spain. <https://epidiverse2021.atlantacongress.org/>

Charlesworth Knowledge Author Service (2020). Title: 'How to write and publish in high impact journals' by Charlesworth Knowledge, Location: Universidad Pablo Olavide Sevilla, on 31 January, 2020 (4 day)

Virtual Black Forest EpiDiverse Summer School (2020): Training in methods for downstream analyses that combine (epi)genetic, environmental, and geographic information to draw ecological insights. (16 hr.)

EpiDiverse Winter School (2021): Training in Translating and Communicating science. This school emphasized transferable skills: science communication, industrial transitions, entrepreneurship and other soft skills for Early Stage Researchers2021, organized by IGA Tech Udine (Italy). (6 days)

EcSeq Bioinformatics GmbH (2018). Bioinformatics workshop on Genome & Epigenome Analysis, Leipzig, Germany (10 days)

EcSeq Bioinformatics GmbH (2018). Python Course, Leipzig, Germany (3 days)

EpiDiverse project. Video Making Workshop on PhD Project by Hynek Bures. Link: <https://epidiverse.eu/en/rp10-uncovering-epigenetic-component-plant-herbivore-interactions-closed-applications>

Pablo de Olavide University (2018). Spanish Language course Pre-Intermedio I, Credit 2, UPO

VU University Amsterdam (2017). Netherlands Public Health short course, Amsterdam, Netherlands (20 days)

ILUMINA (2017). Microbiomics workshop by University of Evora, Portugal (1 day)

Mentoring Capacities

Co-mentoring students from Erasmus+ traineeships at Estación Biológica de Doñana-CSIC. Sevilla

Title: Introduction to plant evolutionary ecology and epigenetics. Training students to sample processing for the experiments conducted under controlled condition (climatic chambers) and providing them knowledge of the concept of experimental design, methods of plant evolutionary ecology (phenotyping and fitness estimates), preliminary data analysis and introduction to epigenetics.

Summer 2020: Jonathon Roberts, Lancaster University

Summer 2019: Sofia Hanson, The University of Edinburgh

Fall 2018: Gwen Page Roberts, Imperial College London

Scientific Outreach Activities

Participation in the European Researchers Night organizing and content developing an online Kahoot quiz for kids after extensive working with school teachers entitled: "EpiDiver: Play with epigenetics and learn about plants" as part of European Project EpiDiverse and Estación Biológica de Doñana-CSIC. Sevilla, 27-November of 2020 (virtual). Participation 500

Participation in the "International day for women and girls in science – 11th February" with a talk at the CEIP Pedro Garfias, Sevilla, 11-February of 2020 (4h).

Participation in the European Researchers Night organizing a workshop for kids entitled: "Bryophytes: those little strangers" as part of the Estación Biológica de Doñana-CSIC. Sevilla, 28-September of 2018 (1h).

Participation in outreach video interview on CSIC Andalucía y Extremadura YouTube channel 2019. Link: https://www.youtube.com/watch?v=_Ns_BrvjnQ

Participation in contest for PhD students "Yo investigo. Yo soy CSIC" 2019 by Departamento de Posgrado y Especialización (DPE), Consejo Superior de Investigaciones Científicas (CSIC) and was nominated as finalist. Link: <https://youtu.be/1ACgkyiZyfk>

Jury & Mentorship Roles

Jury & Technical Committee Member of Climate Action Champions Network
US State Department and Gen Lab (2021-22).
<https://www.orfonline.org/climate-action-champions-network/technical-committee/>

National selection judge for Bangladesh, Bhutan, Myanmar – ClimateLaunchpad
Global green business ideas competition, powered by EIT Climate-KIC, EU (2020)

Closing Jury, Climathon (2018-2021)
powered by EIT Climate-KIC, EU & United Nations Development Programme (UNDP)

Jury, Climate Debate Tournament for Schools
by GenLab on 2020

Leadership Roles

Leadership and Youth summits and conference as a national representative in Potsdam Germany (2017), Griffith University, Brisbane, Australia (2016), ISESCO HQ, Morocco (2015), Harvard University National Model UN, Boston USA (2014), Asia Pacific Model United Nations, Thailand (2012).

Protocol Officer – Ministry of Foreign Affairs Government of the People's Republic of Bangladesh (2012-2013)

Coordination of communication of 40+ member European project and conference on climate change & sustainability management (EpiDiverse)

DISCLAIMER

All information provided here is accurate and up-to-date according to my knowledge. To learn more about my work, professional involvement, previous leadership roles, or personal development, contact me directly & it will be entertained on a case-by-case basis.

