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WORK EXPERIENCE

Research Support Officer II

University of Malta [20/05/2022 – Current]

City: Msida

Country: Malta

Managing two Horizon 2020 projects funded by the European Commission. The overall objectives of JUSTNature and VARCITIES projects are the activation of nature-based solutions (NbS) by ensuring a just transition to low-carbon cities and to establish sustainable models for increasing the health and well-being of citizens exposed to different climatic conditions and challenges.

My responsibilities:

- Developing Marketing, dissemination, and communication strategy for the project.
- Developing public engagement activities to engage with municipalities and policy makers, industry, and academia and other sister EU projects and facilitating international synergies.
- Co-identification and mapping of stakeholders, and initiatives, and the co-design of City learning Lab for Gzira and other 5 places across Europe.
- NBS design and implementation in Gzira CiPeL.
- Managing the project budget.
- Liaising with partners involved in research projects and the contracting I.
- producing deliverables and related reports within the stipulated time frames.
- Supporting proposal writing for additional funding.

Science Communication & Development Officer

The American University in Cairo [31/01/2019 – 30/04/2022]

City: Cairo

Country: Egypt

- Propose and implement ways to improve the science outreach activities offered by the AUC Fun Lab and develop new ones that would be sustainable.
- Lead a team of science communicators to deliver science engagement activities to underprivileged, indigenous communities, minorities, and refugees.
- Develop and deliver training sessions for professional development of science communication team and different stakeholders.
- Develop relationships with implementation partners, organisational partners, and new teacher and school district partners and writing grant proposals.
- Design new fun engaging STEM activities for the public and school students.
- Keep track of the financial aspects of the budget and reporting on overall progress.
- Forecasting projects revenue and ensuring all goals are met.
- Represent the AUC Fun Lab and the projects in festivals and conferences for international synergies.

Head of Content

Madrasetna TV Channel [14/06/2021 – 15/04/2022]

City: Cairo
Country: Egypt

Head of content for multiple science TV entertainment shows geared toward school students at Madrasatna TV Channel under the supervision of the Ministry of Education in Egypt.

General Manager

Nutty Scientists [30/06/2020 – 29/06/2021]

City: Dubai and Cairo
Country: Egypt

- Responsible for the management of internal operations such as planning, scheduling and budgeting and external operations such as event management and customer relationship management.
- Managing a team of science communicators to design and develop new virtual STEM activities for kids and ensure quality of delivery all time.
- Understand the market, the customer needs, and the competition.
- Design new products/services according to their market research and analysis.
- Prepare promotional materials, handle sales, create and implement marketing strategies, analyse results and keep good customer and public relations.

Research Assistant in Astrophysics

The American University in Cairo [31/01/2019 – 31/01/2021]

City: Cairo
Country: Egypt

- Work on a remote research project in high energy physics with Brookhaven National Laboratory and the American University in Cairo.

Science Explainer and consultant

1001 inventions [30/09/2018 – 30/03/2020]

City: London
Country: United Kingdom

- Running the "Giant Camera Obscura" during **Manchester Science Festival** in October 2018.
- Design and deliver activities about the world of optics during **China Science Week** in May 2019.
- Design and deliver activities about the bizarre world of Chemistry during **All-Russian Science Festival** in October 2019.
- Design and deliver activities during **Maker Faire Cairo** in March 2020.

Science communication skills coach and trainer

Freelancing [10/2015 – Current]

- Deliver training sessions to undergraduate and postgraduate students to develop effective Science Communication skills through research-based best practices in an interactive style.
- Deliver training sessions to help science communicators, science teachers and STEM educators to develop and implement different science communication Projects.
- Famelab competition trainer.

Science Communication leader

Abu-Dhabi Science Festival [14/01/2020 – 14/02/2020]

City: Abu-Dhabi
Country: United Arab Emirates

- Design 4 science workshop and 1 exhibition to be run during Abu Dhabi Science Festival.
- Train science communicators to run the science activities.
- Lead the delivery of one of the workshops.

Inspirer

Winchester Science Centre and Planetarium [09/2018 – 01/2019]

City: Winchester

Country: United Kingdom

- Deliver inspiring educational content to school and public audiences both in-house and potentially in schools/other venues.
- Support the wider learning and participation team and centre with any school/public related events/activities.
- Set up/down and present public planetarium shows.
- Deliver range of exciting workshops and science shows linked to a wide range of the curriculum with a focus on problem based learning to students predominantly KS1 – KS3.

Science Presenter

Catalyst Science Discovery Centre [09/2017 – 10/2018]

City: Widnes

Country: United Kingdom

- Deliver hands-on science workshops and shows.
- Perform scientific demonstrations to enthuse children and adults about science.
- Develop new science shows and workshops.

Science presenter

Big bang Fair [04/2018]

City: Birmingham

Country: United Kingdom

- Deliver shows about “science and food” as part of Gastronomer team

Science Communicator

Edinburgh international Science Festival [02/2018 – 04/2018]

City: Edinburgh

Country: United Kingdom

- Deliver and support science drop-in activities including “Unwrapping the mummies” show at City Art Centre.

Science Communicator

Manchester Science Festival [09/2017 – 11/2017]

City: Manchester

Country: United Kingdom

- A volunteer work placement as a part of my M.Sc. in Science Communication at the University of Manchester. Manchester Science Festival's theme for 2017 was about Robots

Research Assistant in Nanotechnology

The American University in Cairo [07/2016 – 09/2017]

City: Cairo

Country: Egypt

- Work on Density functional theory (DFT), which is a computational quantum mechanical modelling method used in physics, chemistry and materials science to investigate the electronic structure

Science Communication Specialist

The American University in Cairo [06/2014 – 09/2017]

City: Cairo

Country: Egypt

- Provide direction to champion and manage the building of a science center nucleus, and handle the department of Physics's contribution to special science exhibitions and galleries.
- Support and deliver science shows, planetarium shows, mini activities, workshops, labs and other activities either in AUC or outreach.
- Deliver activities and programs for all of the department's audiences including education, public and corporate visitors.
- Design and offer professional development sessions and materials.
- Manage website and social media platforms.

Science communicator and Executive Board Member

Egypt Sciece Month [03/2012 – 04/2016]

City: Cairo

Country: Egypt

Teaching Assistant in Outreach Program

The American University in Cairo [07/2012 – 06/2014]

City: Cairo

Country: Egypt

- Design and run new exhibits and experiments.
- Participate as a judge in science and education competitions such as School Science Fair and Science Idol.
- Market events and activities, including flyer distribution, e-mail circulation, and social media communication .
- Participate in event coverage and documentation, including writing summary articles in Arabic and English, documenting events through photography and videography.
- Act as liaisons and contact persons with the partner and stakeholder organisations.

EDUCATION AND TRAINING

Nature based Solutions and Climate Change Adaptation

University of Bologna [29/08/2022 – 02/09/2022]

Science Communication Masterclass

University of West of England [20/06/2022 – 24/06/2022]

Science Communication and Public Engagement Training

National Coordinating Centre for Public Engagement (NCCPE) [06/2022 – 06/2022]

Maker Diploma

Fab Lab Egypt [01/2020 – 03/2020]

Address: Cairo (Egypt)

<http://www.makerdiploma.com/rounds/>

Master's degree in Science Communication

The University of Manchester [08/2017 – 09/2018]

Address: Manchester (United Kingdom)

<http://www.chstm.manchester.ac.uk/>

International Science Journalism Summer School

Ettore Majorana Foundation and Centre for Scientific Culture [06/2018]

Address: Erice (Italy)

<http://eissjc.Inf.infn.it/>

Science Communication for practitioners Training

The University of Liverpool [07/2014 – 08/2014]

Address: (Egypt)

Learning of SiS Catalyst and implication for Egypt

University of Siesta [07/2014 – 08/2014]

Address: (Egypt)

Famelab Masterclass

British Council [01/2012 – 02/2012]

Address: (Egypt)

<https://www.britishcouncil.org/eg/en/famelab>

Bachelor's Degree in Geology

Zagazig University [08/2006 – 06/2010]

Address: Zagazig (Egypt)

<http://www.zu.edu.eg/>

CONFERENCES AND SEMINARS

Falling Walls Japan Hub

[Tokyo and Okinawa , 18/10/2022 – 22/10/2022]

Silbersalz International Science & Media Forum

[Halle (Saale), Germany, 17/06/2022 – 18/06/2022]

I was the moderator for the media & science pitches for the Silbersalz International Science & Media Forum.

Ecsite Conference:

[Heilbronn, Germany, 02/06/2022 – 04/06/2022]

Silbersalz International Science & Media Festival

[Halle (Saale), Germany, 14/09/2021 – 18/09/2021]

16th Public Communication of Science and Technology Conference

[Aberdeen, Scotland, United Kingdom, 23/05/2021 – 26/05/2021]

Celebration of Excellence and Engagement

[Toronto, Canada, 10/2020]

<https://rsc-src.ca/en/events/coee2020>

Falling Walls Engage Hub Canada

[Canada, 10/2020]

<https://falling-walls.com/engage/international-hubs/engage-hub-canada/>

Falling Walls Engage Hub Sweden

[Sweden, 05/2020]

<https://falling-walls.com/engage/international-hubs/engage-hub-sweden/#:~:text=The Falling Walls Engage Hub,very differently in each region.>

Euro-science Open Forum Conference

[Toulouse, France, 06/2018]

<https://toulouse2018.esof.eu/en/>

14th Public Communication of Science and Technology Conference

[Istanbul, Turkey , 03/2016]

<https://pcst-2016.org/>

HONOURS AND AWARDS

The UK Alumni Social Action Award 2022

The British Council [20/03/2022]

Falling Walls Breakthrough of the Year 2020

Falling Walls [11/2020]

<https://falling-walls.com/event/science-engagement-the-breakthroughs-of-the-year-winners-session/>

Chevening scholarship

Chevening [09/2018]

<https://www.chevening.org/>

Famelab Finalist

British Council [04/2012]

https://www.youtube.com/watch?v=Hi-aejDI5Ho&ab_channel=FameLabEgypt

imperial Barrel Award Africa Region

The American Association of Petroleum Geologists (AAPG) [02/2012]

NETWORKS AND MEMBERSHIPS

Silbersalz International Science & Media Festival

[Halle (Saale), Germany, 14/09/2021 – Current]

Advisory Board Member

Network for the Public Communication of Science and Technology (PCST)

The American Association for the Advancement of Science (AAAS)

Big STEM Communicators Network

Falling Walls Engage

Association of British Science Writers

Egypt Science Communication Network

The North Africa and Middle East Science centers network (NAMES)

PROJECTS

VARCITIES

[20/05/2022 – Current]

VARCITIES (Visionary Nature Based Actions for Health, Wellbeing & Resilience in Cities) is a ten million H2020 project. It's vision is to implement Nature Based Solutions and add value by establishing sustainable models for increasing H&WB of citizens (children, young people, middle age, elderly) that are exposed to diverse climatic conditions and challenges around Europe.

JUSTNature

[20/05/2022 – Current]

JustNature is one of Horizon 2020 projects funded by the European Commission. The overall objective of JUSTNature is the activation of nature-based solutions (NbS) by ensuring a just transition to low-carbon cities, based on the principle of the right to ecological space. The goals are brought to life in six City Practice Labs across Europe: Chania, Gzira, Leuven, Merano & Bolzano, Munich, and Szombathely.

<https://justnatureproject.eu/>

Citizen Science "Digital Access to a Sky Century (DASCH) at Harvard Observatory"

[06/2013 – 12/2013]

Science Bus to the underprivileged communities in Egypt.

[01/2019 – Current]

Expanding Children's Interest Through Experiential Learning (EXCITE)

[04/2016 – 09/2017]

Interdisciplinary Science Education Enhancement (iSEE)

[01/2014 – 09/2016]

LANGUAGE SKILLS

Mother tongue(s): **Arabic**

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

DIGITAL SKILLS

My Digital Skills

Video editor / Video Conferencing (Zoom Skype Google Hangout) / Social media management / Website Management / Microsoft Office / Adobe Photoshope / Basic of Python / Machine Learning / Basic AutoCad