

# Xavier Villar Buzo

✉ Europa Point, Gibraltar GX11 1AA

e-✉ xavibu91@gmail.com

☎ +350 54073058

<https://www.unigib.edu.gi/msc-student-xavier-villar-buzo/>

[LinkedIn: Xavier Villar Buzo](#)

## Skills Summary

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- Field and desk-based research
- In-depth literature review
- Social and natural science theoretical and methodological knowledge
- Science communication (scientific paper, videos, infographics, posters, presentations, reports)
- GIS (QGIS)
- Software (Primer, R, SPSS, Agisoft and BIIGLE)
- MS Office
- Teaching experience (>2300 hrs)
- Terrestrial and marine survey skills
- Theoretical and practical lab skills

## Education

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<b>MSc Marine Sciences and Climate Change</b>	University of Gibraltar	Gibraltar	2021 - 2022
<b>Educational Research (MA courses)</b>	Universidad Veracruzana	Mexico	2019 - 2021
<b>BSc in Biology</b>	Universidad Veracruzana	Mexico	2009 - 2015

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## Work history

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<b>University of Gibraltar</b>	<b>Research Assistant at the School of Marine and Environmental Science</b>	<b>2023-2024</b>
	<ul style="list-style-type: none"><li>• Performed qualitative and quantitative analyses</li><li>• Scientific publication (<i>Villar Buzo &amp; Dissanayake, 2023</i>; 11/08 submitted)</li><li>• Writing a government report (HMGoG, Gibraltar) (<i>Villar Buzo &amp; Dissanayake, 2023</i>.)</li><li>• Poster presentation at “<i>Research that benefits Gibraltar</i>”</li><li>• Darwin Plus Project; Oyster restoration in British Gibraltar Territorial Waters: locating suitable sites</li><li>• Intertidal and subtidal marine monitoring project</li><li>• Worked both independently and collaboratively in a fast-paced laboratory environment.</li><li>• Performed field and desk-based research</li><li>• Maintained up-to-date records of research activities and results for future reference</li><li>• Developed new protocols and improved existing laboratory processes</li><li>• Oversee and support postgraduate students</li></ul>	

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<b>University of Gibraltar</b>	<b>Guest Lecturer</b>	<b>2023</b>
	<ul style="list-style-type: none"> <li>• Prepared and delivered lectures to marine science students on marine imagery and the use of annotation software</li> <li>• Drew connections between the session's content and material covered in previous lectures to connect learning components</li> <li>• Used PowerPoint technology to give presentations to student classrooms</li> <li>• Conducted individual research projects to actively contribute to the institution's research work</li> <li>• Used a variety of learning modalities and support materials to facilitate the learning process and accentuate presentations</li> </ul>	
<b>Galathea Marine Consultants LTD</b>	<b>Research consultant</b>	<b>2023</b>
	<ul style="list-style-type: none"> <li>• Analyzed large volume of data to identify patterns, trends, and correlations</li> <li>• Implemented quality control protocols to enhance accuracy of data and research results</li> <li>• Interpreted data and made recommendations from findings</li> <li>• Prepared detailed reports summarizing research findings and recommendations for further action</li> <li>• Created and maintained a database to store research data</li> <li>• Stayed up-to-date with industry trends and made them relevant and impactful</li> </ul>	
<b>University of Gibraltar</b>	<b>Guest Lecturer</b>	<b>2022</b>
	<ul style="list-style-type: none"> <li>• Sought ways to improve performance by reflecting on teaching design and delivery and obtaining and analyzing feedback</li> <li>• Prepared and delivered lectures to marine science students on marine recreational fishing topics and its impacts</li> </ul>	
<b>Colegio Xalitic</b>	<b>Ecology and biology teacher</b>	<b>2019-2021</b>
	<ul style="list-style-type: none"> <li>• Planning of curriculum, and curriculum delivery in adherence to Gov. education guidelines for high school</li> <li>• Organisation, planning, and reporting of students' progress</li> <li>• Planning and delivery of recreational and educational activities</li> <li>• Maintained engaging and interesting lectures by combining different media</li> <li>• Proficient in MS Office and virtual teaching through multiple platforms</li> <li>• Prepared individualized lesson plans and educational materials to structure biology and ecology curricula to the needs of each student</li> </ul>	
<b>Colegio Framboyan</b>	<b>Biology teacher</b>	<b>2017-2018</b>
	<ul style="list-style-type: none"> <li>• Established positive and encouraging relationship with students and helped to foster appreciation for biology and science</li> <li>• Teach biology in a second language (English)</li> </ul>	

	<ul style="list-style-type: none"> <li>• Weekly reports on planning and delivery of activities</li> <li>• Organisation engaging activities like Science Week – showcasing event of Science Communication</li> <li>• Assessed submitted class assignments, determined grades, and reviewed work with struggling students to boost success chance</li> </ul>	
<b>Montessori Julia Ambros</b>	<b>English and substitute teacher</b>	<b>2017</b>
	<ul style="list-style-type: none"> <li>• Developed innovative lesson plans to engage students in English language learning</li> <li>• Prepared and implemented lesson plans covering required course topics</li> <li>• Assisted in development of extracurricular activities and special events</li> <li>• Established and maintained professional relationships with students, staff, parents and community members</li> </ul>	
<b>Universidad Veracruzana</b>	<b>Research Assistant</b>	<b>2014-2015</b>
	<ul style="list-style-type: none"> <li>• Collected research data through critical review.</li> <li>• Collaborated with other researchers to develop successful research strategies.</li> <li>• Attended seminars and symposiums to improve overall knowledge and understanding.</li> <li>• Participated in lab meetings and project presentations.</li> <li>• Analyzed results using analytical software and created reports.</li> <li>• Writing and applying for international grants.</li> </ul>	

## Languages

## Licences & qualifications

Spanish (Native), English bilingual (C2), Italian basic (A2), French basic (A2), and Dutch basic (A1)	PADI Advanced Open Water Diver certification, PADI Basic free diver
	Full driving license

## Additional Courses

<b>Data Science: R basic (course)</b>	HarvardX	US(Online)	2023
<b>Climate change education and communication (course)</b>	Escuela complutense latinoamericana and Universidad Veracruzana.	Mexico	2019
<b>Our Earth's Future (course)</b>	American museum of natural history	US (Online)	2019
<b>Reading and writing in research (course)</b>	Universidad Veracruzana	Mexico	2019
<b>Political and ethical view of education on consumption; a way to social transformation (course)</b>	UNESCO and Universidad Veracruzana	Mexico	2019

<b>Medical and security principles for outdoor expeditions</b>	SOMEMMA	Mexico	2014
<b>Marine megafauna (course)</b>	Duke	US(Online)	2014
<b>Selected Topics on botanical life: The cloud forest in Veracruz (course)</b>	Universidad Mexicana	Mexico	2010

## Publications

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Paper: Villar Buzo, X., & Dissanayake, A., (2023) 'Fishing down the food web? – Marine Recreational Fishing Effort and Impacts in Gibraltar', *Regional Studies in Marine Science*. Submitted 11/08/2023

Government report: Villar Buzo, X. and Dissanayake, A. (2023). Assessment of marine recreational fishing effort pressure at Europa Reef; Southern Waters MCZ. 92 pp. Accepted 16/08/2023

Presentation: '*Fishing down the food web*' – Marine Recreational Fishing Impacts. Presented at "United Kingdom Overseas Territories-UKOT, *Online Workshop*"

Poster: '*Fishing down the food web*' – Marine Recreational Fishing Impacts. Presented at "*Research that benefits Gibraltar*". University of Gibraltar, Gibraltar

## References

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Dr Awantha Dissanayake: Awantha.Dissanayake@unigib.edu.gi

Dr Jaime Davies: Jaime.Davies@unigib.edu.gi

Bertha González: +52 2288175422

Dr Ibiza Martínez-Serrano: ibimartinez@uv.mx