EDUCATION &
RESEARCH

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IMPACT REPORT 2024

School of Marine & Environmental Science

Programme:
MSc Marine Science &
Climate Change

Programme:
MSc Environmental Science
& Climate Change

DECEMBER
2024

UNIVERSITY OF
GIBRALTAR

Impact Report 2024

- Education
- Research

At the School of Marine and Environmental Sciences we mould our students to be adept for all career aspirations such as environmental NGOs, Government and policy roles, and academic research.

With proven results, we have alumni who have embarked on PhDs, work for NGOs and governmental departments.

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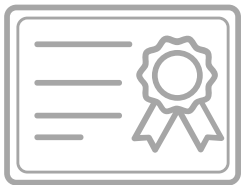
Education

13 Graduates

Graduates from 2 programmes

9 Countries

Nationalities represented including:
Gibraltar, Germany, Netherlands, USA, Seychelles, Colombia, Brazil, Hungary, UK.



1 New degree

1 new degree programme added to School portfolio:
MSc Environmental Science & Climate Change

4 PhD/MPhil students

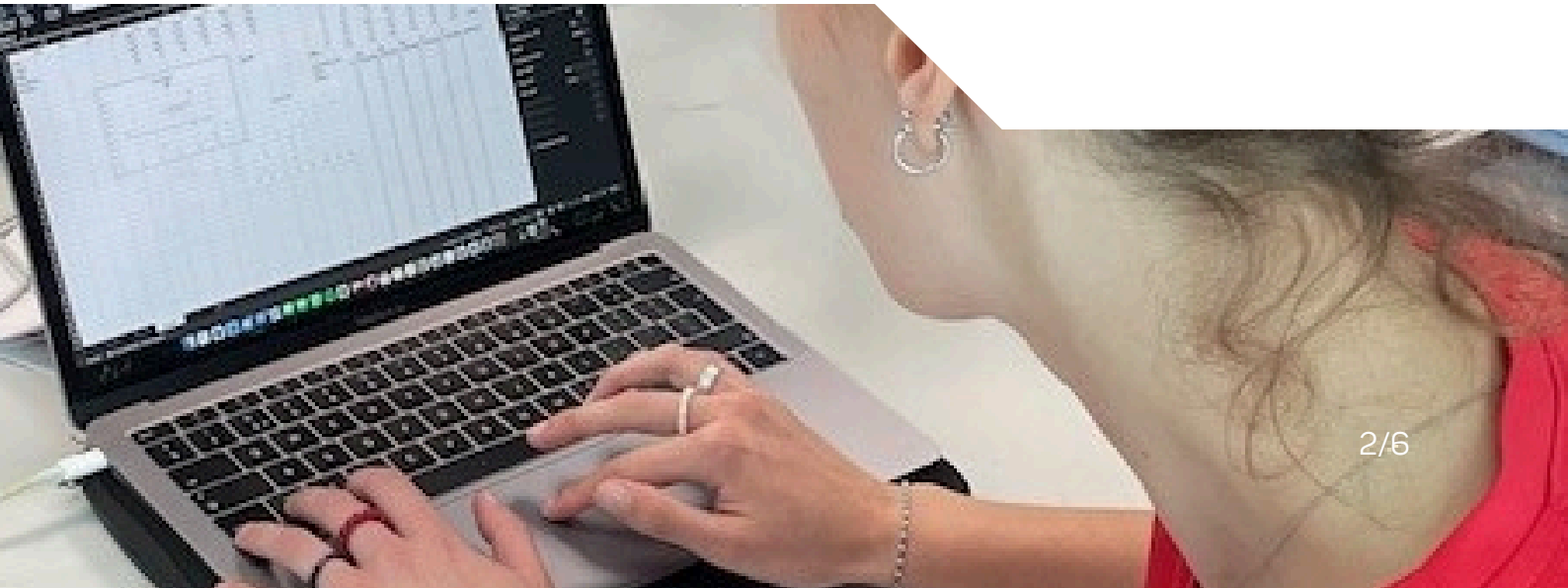
Students progressed to final stages

>20 collabs

Stakeholder groups engaged

115 students

Students enrolled over 7 years



Research

4 Interns

Visiting Research Interns

11 Marine Research Projects

Research topics include:

- Small shark tagging best practice
- Antimicrobial properties of Rugulopteryx okamurae
- Assessing habitat complexity and habitat function of fringing mangrove ecosystems
- Presence of microplastics in fish
- Wave exposure and drag force effects on structural complexity
- Fish health assessments
- Morphological trends of Yellowfin Tuna in Seychelles
- Fish communities in Cartagena Bay, Colombia using BRUVs
- Ocean Literacy & knowledge transfer
- Coral Restoration - Astroides calycularis

2 Environmental Research Projects

Research topics include:

- Impact of Rabbit decline on Fox populations
- Foraging behaviours of Macaques

Research

2 Publications

Scientific papers published:

- Regional Studies in Marine Science
- Frontiers in Marine Science

ELSEVIER

Regional Studies in Marine Science
Volume 77, 10 December 2024, 103707

Health status and characterisation of Gibraltar's maerl beds

Daphne H. Pezij [a], Jaime S. Davies [a b], Viviana Peña [c], Awantha Dissanayake [a]

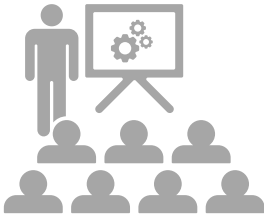
METHODS article
Front. Mar. Sci.
Sec. Marine Megafauna
Volume 11 - 2024 | doi: 10.3389/fmars.2024.1518710

Novel approach to studying marine fauna: Using long-life remote underwater video cameras to assess occurrence and behaviour of threatened and data-deficient elasmobranch species in southern Mozambique

Provisionally accepted

Jule Buschmann [1,2*], Jennifer A Keeping [1,3], Kim G Roques [4], Jaime S Davies [2,5], Awantha Dissanayake [2]

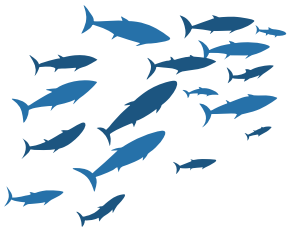
International profile



4 Conferences

Research presented:

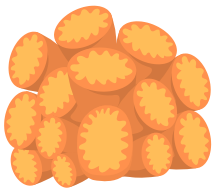
- UK seafloor workshop
- Ocean Decade, Barcelona
- Marine Imaging Workshop, California
- 74th Tuna Conference, California



1 Citizen Science

Training Workshop:

- 15 children engaged in fish ID workshop
  Collab: Gibraltar Kayak Association



23 Coral colonies transplanted

Coral Restoration:

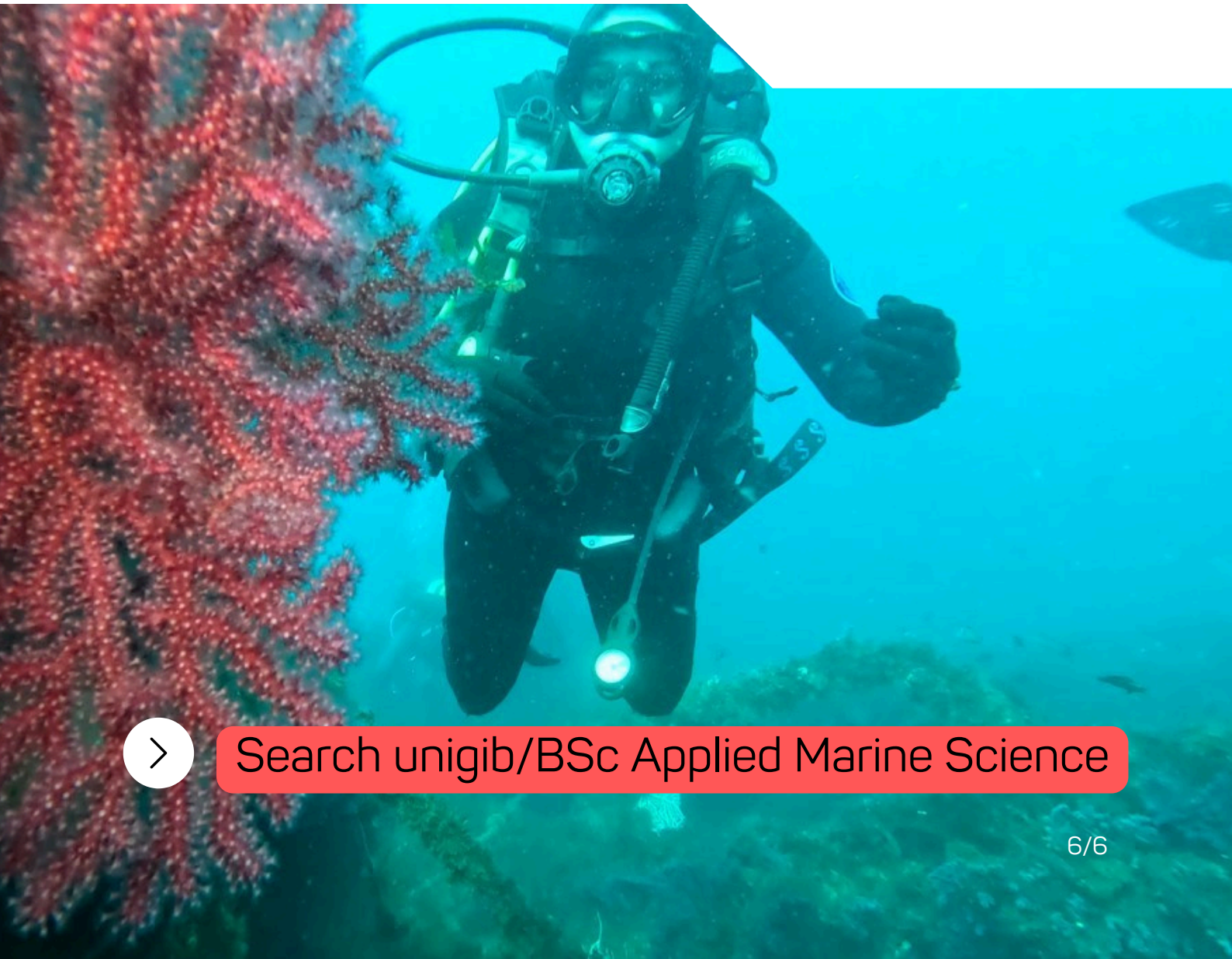
- Coral colonies transplanted
- Funding attained from Hassans Law Firm

Coming in 2025

BSc (Hons) Applied Marine Science

The programme is designed to produce highly-skilled graduates capable of addressing the complex ecological challenges of the 21st Century.

Graduates will emerge with the critical thinking and technical abilities required for careers in marine science and related industries. The programme integrates academic knowledge with employability, considering the demands of employers, industry, and student career aspirations



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Thanks

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A big thank you to all our partners

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