




FABIO FAVORETTO




I am a marine ecologist with experience in remote sensing. I am interested in studying marine habitats and biodiversity to understand their patterns in space and time to aid conservation efforts.

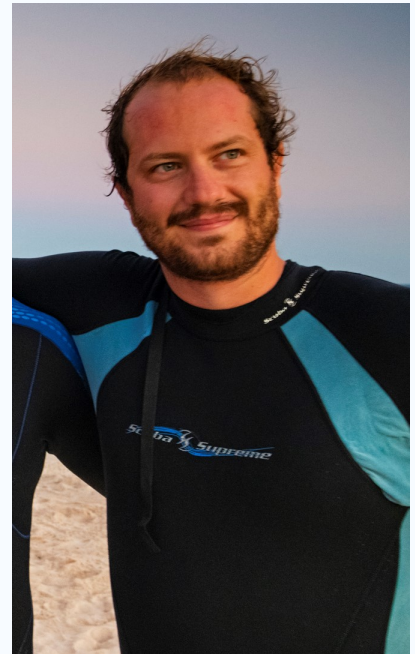
Currently searching for a data science position that allows me to build remote sensing algorithms and ecological models with tools for visualization and interactivity that can be understood by a non technical audience

EDUCATION

- 2020**
|
2016
● **PhD, Marine ecology**
Autonomous University of Baja California Sur  La Paz, Mexico
• Thesis: Remote Sensing Applications in Seascape Ecology
- 2014**
|
2011
● **Master degree in Marine biology**
University of Trieste  Trieste, Italy
• Thesis: Plankton diversity and distribution patterns in the Ionian Sea
- 2011**
|
2009
● **B.S. Environmental sciences**
University of Trieste  Trieste, Italy
• Thesis: Water isotopes compositions of the Gulf of Trieste





RESEARCH EXPERIENCE

- 2019**
|
2018
● **Independent contractor**
Scripps institution of Oceanography - Gulf of California Marine Program  San Diego, USA
• Database creation, data visualization, reporting. Independently constructed a socioecological model for world mangroves
- 2016**
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2015
● **Research assistant**
Marine Botany Laboratory  Autonomous University of Baja California Sur, Mexico
• Handling and analysing taxonomic databases, field coordinator and data analysis
- 2015**
● **Research assistant**
Macroalgae Ecophysiology Laboratory  University of Trieste, Italy
• Analysing data from seaweeds and seagrasses to construct niche modelling and health indexes



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CONTACT

-  favoretto.fabio@gmail.com
-  [FabioFavoretto](#)
-  github.com/fabbiologia
-  [lab-website](#)
-  +59 (612) 868-8438

CODING SKILLS




R
C
Python
Javascript

OPEN SOURCE CONTRIBUTIONS

[shiny dashboard for the blue-paper 10](#)





WORK EXPERIENCE

- 2015
|
2012
- **Teaching staff and WWF operator**
Marine Protected Area of Miramare  Trieste, Italy
 - Responsible for aquariums and monitoring of key organisms (*Pinna nobilis* and *Madrepora* spp); Taught and worked as scuba guide for visiting schools
- 2012
|
2011
- **Scientific advisor and technical office member**
Consorzio Elbano Diving (CED)  Elba Island, Italy
 - Scientific advisor for a conservation project in Elba Island:
<http://www.elbaced.it>
- 2012
|
2007
- **Divemaster PADI**
Talas Diving Center  Elba Island, Italy
 - Assisting instructors on courses, guiding novice and pro levels divers, scubadiving equipment maintenance



TEACHING EXPERIENCE

- today
|
2017
- **Introduction to oceanography**
Autonomous University of Baja California Sur  La Paz, Mexico
 - Semester curricular course
 - for undergrads
- today
|
2017
- **Geographic Information Systems**
Autonomous University of Baja California Sur  La Paz, Mexico
 - Semester curricular course
 - for undergrads
- today
|
2017
- **R programming and data science**
Autonomous University of Baja California Sur  La Paz, Mexico
 - Optional course
- today
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2017
- **Rocky reefs monitoring and ecology course**
Autonomous University of Baja California Sur  La Paz, Mexico
 - Optional course







SELECTED PUBLICATIONS

- 2020
- **Critical Habitats and Biodiversity: Inventory, Thresholds and Governance**
 - Authored with Alex D. Rogers, Octavio Aburto-Oropeza et al.,

- 2017 • **Testing of the 4SM Method in the Gulf of California Suggests Field Data Are not Needed to Derive Satellite Bathymetry**
Sensors
• Authored with Morel, Y., Waddington, A., Lopez-Calderon, J., Cadena-Roa, M., & Blanco-Jarvio, A.
- 2017 • **4SM: A Novel Self-Calibrated Algebraic Ratio Method for Satellite-Derived Bathymetry and Water Column Correction**
Sensors
• Authored with Morel, Y.

GRANTS AND AWARDS

- 2019 | 2017 • **University Grant: Universidad Autnoma de Baja California Sur (UABCS)**  \$5,000
• Awarded for my research on Remote Sensing
- 2019 | 2018 • **Idea Wild**  \$1,500
• Awarded for my research on Remote Sensing
- 2019 | 2018 • **CONANP- Comision Nacional Areas Naturales Protegidas, Mexico**  \$18,000
• Awarded for my research on Remote Sensing
- 2017 | 2016 • **Silva Grant International Phycological Society**  \$500
• Grant awarded for my reasearch on coralline algae

COMPUTER SKILLS

- Windows, Mac, Linux os;
- Expert command of Microsoft Office tools;
- R-programming;
- Java-script;
- Google Earth Engine;
- C-programming
- SIG softares (Arcgis, Qgis, GrassGIS);

Made with the R package [pagedown](#).

The source code is available at github.com/fabbiologia/cv.

Last updated on 2020-07-21.

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