

# 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



[Download a PDF of this CV](#)

## EDUCATION

today  
|  
2016

### PhD. Candidate, 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  
|  
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

## WORK EXPERIENCE

## CONTACT

✉ [favoretto.fabio@gmail.com](mailto: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](#)

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  
|  
2017

### Rocky reefs monitoring and ecology course

Autonomous University of Baja California Sur

📍 La Paz, Mexico

- Optional course



## SELECTED PUBLICATIONS, POSTERS, AND TALKS

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](https://github.com/fabbiologia/cv).

Last updated on 2019-10-15.

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