

## VARENNE Alix



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13/05/1993  
French  
International Driving License  
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English Level: TOEIC 890 + Cambridge C1  
Diving certification:  
Professional diver certificate (CAH 0B)



### Education

2017 – 2019 > MASTER DEGREE IN MARINE SCIENCES – BIOLOGICAL OCEANOGRAPHY & MARINE ECOLOGY (HONORS – RANK: 10/43) > AIX-MARSEILLE UNIVERSITE (FRANCE)

2015 – 2016 > GRADUATE CERTIFICATE IN APPLIED SCIENCE (MARINE ENVIRONNEMENT) – MARINE CONSERVATION (WITH HONORS) > UNIVERSITY OF TASMANIA (AUSTRALIA)

2015 > GENERAL INTENSIVE ENGLISH LANGUAGE COURSE > SOUTH AUSTRALIA COLLEGE OF ENGLISH (AUSTRALIA)

2013 – 2015 > BACHELOR DEGREE ECOLOGY & ORGANISMS BIOLOGY > UNIVERSITE MONTPELLIER II (FRANCE)

2011 – 2013 > DUT (2 YEARS TECHNICAL DEGREE) IN BIOLOGY ENVIRONNEMENTAL OPTION > AIX- MARSEILLE UNIVERSITE – UNIVERSITE DE PROVENCE (DIGNE-LES-BAINS, FRANCE)



### Work Experiences

JUIN 2021 – NOW > ECOCEAN (34) – ECOSEAS, COTE D'AZUR UNIVERSITY (06) > PHD – FUNCTIONAL DIVERSITY OF ARTIFICIAL NURSERIES IN PORT AREAS AND THEIR TROPHIC CONNECTIVITY WITH ADJACENT ECOSYSTEMS

JANUARY 2019 – JUNE 2019 > DIPARTIMENTO DI SCIENZE DELLA TERRA DELL'AMBIENTE E DELLA VITA (DISTAV) - UNIVERSITY OF GENOA (ITALY) > MASTER THESIS: CHANGES IN THE COMPOSITION OF ROCKY REEFS BENTHIC COMMUNITIES OF THE PORTOFINO MARINE PROTECTED AREA (NORTH-WESTERN MEDITERRANEAN SEA) DUE TO SEASONALITY, DEPTH AND SEVERE STORM EVENT

JULY - AUGUST 2016 ET 2017 > VITALAIRE (AIR LIQUIDE), RIVE DE GIER (FRANCE) > TEMPORARY EMPLOYEMENT – LIQUID OXYGEN DRIVER-DELIVERY

JANUARY 2016 > RHYLL INLET STATE WILDLIFE RESERVE (PHILLIP ISLAND, AUSTRALIA) > VOLUNTEERING – EDUCATIONAL FOOTPATH IN MANGROVES AREA

OCTOBER 2015 > ECOBARGE CLEANSEAS, AIRLIE BEACH (AUSTRALIA) > VOLUNTEERING - BEACH CLEANING & SEA TURTLE HATCHING, RESCUE, CARE AND REHABILITATION

2014-2015 > SM<sup>2</sup> - SOLUTIONS MARINES (VILLENEUVE-LÈS-MAGUELONE, FRANCE) > MENTORED PROJECT – RESEARCH & VALORIZATION OF MEDITERRANEAN MARINE ALGAE (*Posidonia oceanica*, *Zostera marina*, *Zostera noltei*, *Potamogeton pectinatus*)

APRIL 2013 – JULY 2013 > ASEPTIC FLUID SYSTEMS (SAINT-ISMIER, FRANCE) > INTERNSHIP – STUDY, DESIGN AND DEVELOPMENT OF OZONATION TREATMENT ON HOSPITAL CHEMICAL WASTE

2013 > VERDON ENVIRONNEMENT (LES-SALLES-SUR-VERDON, FRANCE) > MENTORED PROJECT-MANAGEMENT OF THE BANKS OF STE-CROIX LAKE FOR A SUSTAINABLE TOURISM

JULY 2012 > ERDF SAINT-ETIENNE (FRANCE) > INTERNSHIP – CHEMICAL WASTE MANAGEMENT



## Skills & Interests

### SCIENTIFIC SKILLS

- › Field experiences:
  - › Identification of Mediterranean coastal communities (quadrat sampling, photo analysis and transect measurement)
  - › Sampled *in situ*: Niskin bottles, CTD Probe, Planktonic sampled, Sea bottom dredging, Secchi disk
- › Laboratory Analysis:
  - › PCR, chemical dosing (Ammonium, Phosphate, Oxygen...), Statistical tools (ANOVA, PERMANOVA, MDS, nMDS, Pearson...), stable isotopes analysis
- › Theoretical framework:
  - › Marine coastal ecosystems functioning (seagrass meadows, coralligenous reefs, coral reefs...)
  - › Ecosystem management: Marine Protected Areas, biological invasions & transfers (*Caulerpa taxifolia*), economic value of marine ecosystems
  - › Cartography – Geographic Information System (GIS): ArcGIS, QGIS, GoogleEarth, Géoportail...
  - › Mediterranean benthic communities (determination, ecosystems, associated species, key-species and communities)
  - › Anthropic disturbances (climate change, overexploitation of marine resources, ocean acidification, pollution, coastal development, habitat loss/fragmentation)

### INFORMATICAL SKILLS

- › Microsoft Office : Word, Excel, Power Point, Publisher...
- › Google : Chrome, Translate, Drive
- › Bibliographic research : Google Scholar, Web of Sciences, Zotero
- › Cartography – Geographic Information System (GIS): Google Earth, QGIS, ArcGIS, GéoPortail
- › Statistical and Modeling : R, Matlab, Image J
- › Phylogeny : GénieGène

### OTHERS

- › Good knowledge of English and French (spoken and written), basics knowledge of Spanish
- › Boating license (in progress)
- › Work independantly and teamwork
- › Motivation, personal involvement, analytical ability, intellectual curiosity and good mood

### SPORTS

- › Scuba Diving (Certification: French professional diving certificate, French Level 2 FFESM and PADI Open Water Diver), Surf, Wakeboard
- › Tennis, Badminton,
- › Volleyball, Football

### TRAVELS

- › Australia, Costa Rica, Italy, Corsica, Morocco, Ireland, Spain, Netherlands, England, USA, Switzerland...