# DR. VICTOR POZZOBON

PhD research scientist leading numerous investigations in microalgal biotechnology. My goal is to help microalgae to realise the full extend of their promises. To do so, I deploy both experimental and numerical tools. The current focus of my research is the increase of culture cell density in photo and/or heterotrophic mode.



### CONTACT

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- in Victor Pozzobon
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#### SOFT SKILLS

#### Team leading

Empathy Decision making

**Problem solving** 

**Empowerment** 

#### Languages

English French

German

(100 % Duolingo course completion)

### TECHNICAL SKILLS

#### **Numerics**

**Programming** 

(e.g. Python, C++, Bash, ...)

CFD

(OpenFOAM, Fluent, Comsol)

Visualisation

**Machine Learning** 



Basic lab techniques

Advanced lab techniques

(Flow cytometry, PAM, ...)

Modelling

Microalgae

# **WORK HISTORY**

Mov. 2015 - To date

Research engineer

**♀** Chair of Biotechnology

CentraleSupélec, Pomacle, France

Principal Investigator on microalgae/light interaction. Numerous involvement in biological experiments and associated modelling initiatives

Key realisations: full scale CFD modelling of a photobioreactor. Coupling with biological model to predict performance. Wild strain profiling

Supervision: 4 PhD students graduated, 2 in progress. 1 post-doctoral fellow. 4 master trainees

## **EDUCATION**

**HDR** 

**♀** INP Toulouse

Thesis title: Modeling as a tool for chemical and biochemical engineering

PhD

**♥** RAPSODEEMines Albi, Albi, France

Thesis title: Biomass gasification under high solar heat flux.

**Engineering degree** 

**♀** ENSEEIHT & Mines Albi, Albi, France

Chemical engineering with academic exchange in fluid dynamics (with Honors)

# POSITIONS, COLLABORATIONS, PUBLICATIONS

- ▼ French users of OpenFOAM, (FOAM-U), association. Secretary (2016 - 2020). Treasurer (2020 - to date)
- Research partnerships, with co-authored publications:

**RAPSODEE - Mines Albi** 

RIBP - Université Reims Champagne Ardenne

LPQM - CentraleSupélec

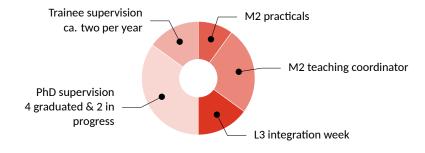
IFPEN - Solaize

ABI - AgroParisTech

▼ KPI: h-index - 8, 27 authored or co-authored articles (rank A journals)

### **I** TEACHINGS AND TRAININGS

A brief graphical summary of my teachings activities. My formal teachings represent about 80 h and one or two OpenFOAM bootcamps (2 to 3 days) per year





Data analysis - 2020 HPC Python - 2020

HPC Python - 2020

Management & leadership - 2020

French cuisine - 2019

Numerical analysis - 2017

Mathematical biostatistics - 2015

Food & nutrition - 2015

Athletes physiology - 2015

Human physiology - 2014