

# 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 potential. To do so, I deploy both experimental and numerical tools. The current focus of my research is increasing culture cell density in photo and/or heterotrophic mode.



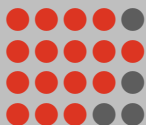
## CONTACT

✉ victor.pozzobon@yahoo.com  
☎ +33 (0) 623 641 98  
📍 6 rue des sports, 08300 Rethel, France  
🏠 victorpozzobon.github.io  
in Victor Pozzobon  
📞 0000-0003-1530-0834

## SOFT SKILLS

### Team leading

Empathy  
Decision making  
Problem solving  
Empowerment



### Languages

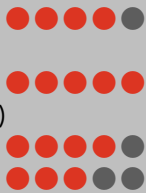
English  
French  
German



## TECHNICAL SKILLS

### Numerics

Programming  
(e.g. Python, C++, Bash, ...)  
CFD  
(OpenFOAM, Fluent, Comsol)  
Visualisation  
Machine Learning



### Biotechnology

Basic lab techniques  
Advanced lab techniques  
(Flow cytometry, PAM, ...)  
Modelling  
Microalgae



## CERTIFICATES

### MOOCS

Data analysis - 2020  
HPC Python - 2020  
Management & leadership - 2020  
Numerical analysis - 2017  
Mathematical biostatistics - 2015  
Food & nutrition - 2015  
Athletes physiology - 2015  
Human physiology - 2014

## WORK HISTORY

- 📅 October 2020 - To date  
📍 Chair of Biotechnology  
CentraleSupélec, Pomacle, France  
Head of the modelling team  
Managing a team of 5 people. Structuring research projects and acquiring funding  
Key driver: implementing the digital twin concept in microorganisms biotechnology
- 📅 November 2015 - October 2020  
📍 Chair of Biotechnology  
CentraleSupélec, Pomacle, France  
Research engineer  
Principal Investigator on microalgae/light interaction. Numerous involvement in biological experiments and associated modelling  
Key realisations: full scale CFD modelling of a photobioreactor. Coupling with biological model to predict performance. Wild strain profiling

## EDUCATION

- 📅 September 2020  
📍 INP Toulouse  
HDR  
Thesis title: Modeling as a tool for chemical and biochemical engineering
- 📅 Novembre 2015 - September 2012  
📍 RAPSODEE  
Mines Albi, Albi, France  
PhD  
Thesis title: Biomass gasification under high solar heat flux.
- 📅 September 2008 - September 2012  
📍 ENSCET & Mines Albi, Albi, France  
Engineering degree  
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
- 👤 Agglomerated research indicators: h-index - 8, 27 authored or co-authored articles in peer reviewed rank A journals

## TEACHINGS AND TRAININGS

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

