

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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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

Biotechnology

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

CERTIFICATES - MOOCS

Data analysis - 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

WORK HISTORY

📅 Nov. 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

📅 Sep. 2020 **HDR**
📍 INP Toulouse
Thesis title: Modeling as a tool for chemical and biochemical engineering
📅 Sep. 2012 - Nov. 2015 **PhD**
📍 RAPSODEEMines Albi, Albi, France
Thesis title: Biomass gasification under high solar heat flux.
📅 Sep. 2008 - Sep. 2012 **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)

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

