

# Valentin ARTUS

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## EDUCATION

**Master degree of Bioprocess and Marine Biotechnology** 2012- 2013  
*Polytech Nantes, Saint Nazaire, France*

**Bachelor degree in Process Engineering** 2010  
*University of NANTES, Saint Nazaire, France*

**High National Diploma in Process Engineering** 2009  
*University of South Brittany, Pontivy, France*

## PROFESSIONAL EXPERIENCE

**MSC placement** March 2013 | September 2013  
*Wageningen University (Netherlands) Bioprocess Engineering group.*

- ∴ Comparing TAG production in nitrogen starvation of wild type and starchless mutant microalgae

- ∴ Scientific paper currently being published:

Superior triacylglycerol (TAG) accumulation in starchless mutants of *Scenedesmus obliquus*: II evaluation of TAG yield and productivity in controlled photobioreactors

**MSC placement** March 2012 | September 2012  
*Veolia Eau, Rouen, France*

- ∴ Develop a strategy for the management of by-products form wastewater treatment

**First year project of MSc** September 2011 | February 2012  
*GEPEA, Saint Nazaire, France*

- ∴ Characterization of hydrodynamics on one photobioreactor (raceway)

**Internship of technological degree** April 2009 | June 2009  
*Bio Springer, Maison-Alfort, France*

- ∴ Research on characteristics of  $O_2$  consumption during the autolysis of yeast, supervised by Dr Nadia Kaïd

**Kitchen porter in French restaurant** November 2006 | April 2007  
*Dublin, Ireland*

## SKILLS

<b>Laboratory</b> <ul style="list-style-type: none"><li>• Cell culturing</li><li>• Biomass analyses (content, size)</li><li>• Cell disruption</li><li>• Extraction of high value compounds</li></ul>	<b>Process</b> <ul style="list-style-type: none"><li>• Membrane filtration</li><li>• Distillation</li><li>• Bioreactor</li><li>• Process regulation</li></ul>
<b>Computational</b> <ul style="list-style-type: none"><li>• Matlab, Prosim, Labview, Solid Works</li><li>• Word, excel, powerpoint, internet</li><li>• Managements software</li></ul>	<b>Calculation</b> <ul style="list-style-type: none"><li>• Yield calculation</li><li>• Mass and energy balance</li><li>• Growth rate</li></ul>

## LANGUAGES

French (mother tongue), professional skills in English, elementary knowledge of Spanish

## Hobbies and Interests

Reading, cinema, practice of sports (soccer, swimming), traveling (Malta, Spain, Ireland, Italy, Great Britain, Netherlands)