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Engineer in Biochemistry and Bioprocess

EDUCATION

- Sept. 2006* **Engineering diploma of Biochemistry and Bioprocess** obtained at INSAT (Institut National des Sciences Appliquées de Toulouse) in France
Specialisation : Industrial microbiology
- 2003-2006* **INSAT : Major French engineering school** (a five year diploma of engineering),
Courses : biochemistry, microbiology, bacterium genetics, enzymology, bioprocess, metabolic engineering, modelling, fluid mechanics
- 2001-2003* **Intensive scientific preparation at INSAT** (Physics, Mathematics, chemistry...)
2001 **Baccalauréat S with honours** (secondary school diploma specialised in Mathematics and Physics)

WORK EXPERIENCES IN BIOCHEMISTRY

- Contract work since 2008* **Research Engineer for Oxyrane at the LISBP** (public laboratory, France)
I am currently working on a project of ethanol production from cellulose (second generation biofuels). Metabolic engineering and fermentation are the main techniques I have to handle.
- Contract work 2007* **Study Engineer for Oxyrane at the LISBP** (public laboratory, France)
I was in charge of a new project consisting in the evaluation of the productivity of epoxide hydrolase-producing recombinant yeasts. I adapted and developed protocols, applied and analysed them in order to establish strategies for new strains construction.
- 6 months Internship 2006* **Engineer in the Enzyme R&D department of BELDEM** (food industry, Belgium)
I planed a metabolic engineering approach to increase recombinant protein productivity by *B. subtilis*. I was in charge of all experiments, from genetic transformations to enzyme evaluation after fermentation process.
- 6 months Internship 2005* **Technician in the Biomasa Project**, at the UNI (Nicaraguan University)
I realized the installation and the maintenance of a pilot UASB reactor (200 liters) for the study of the anaerobic digestion of residue of *Moringa Oleifera* (tropical tree).

ASSOCIATIVE EXPERIENCES AND SUMMER JOBS

- 2002-2005* **Volunteer in the association YEMAYA** (latino-american dance and music)
- Oct. 2004* **Free-lance** in the tax department
- 2002-2003* **Course of Physics and Mathematics to a high-school pupil**
- July 2002* **Humanitary mission in Mexico**
- Aug. 2001* **Free-lance** in the DDE (regional public facilities)
- July 2001* **Instructor in a vacation camp** (AROEVEN) with children of 10 to 12 years old

LANGUAGES AND COMPUTER KNOWLEDGE

- English* Reasonable working knowledge. **(4/5)**, scored 890 / 990 on TOEIC
- Spanish* Good working knowledge (both written and oral) **(4/5)**
- Informatics* Good handling of Microsoft Office and Internet navigation, knowledges in XHTML 1.0 strict, CSS and PHP (I made my own site), basics in programming