

VÉRONIQUE BREGUET MERCIER

CURRENT POSITIONS

LECTURER (CHEMICAL ENGINEERING & APPLIED CHEMISTRY)

HAUTE ECOLE D'INGÉNIERIE ET D'ARCHITECTURE, FRIBOURG

September 2015

TEACHING & RESEARCH ACTIVITIES

Teach and share best practices in the field of Applied Chemical Engineering, Analytical Chemistry & Biotechnology.

EXPERIENCE

TEAM LEADER « LEAN »- SENIOR PROCESS ENGINEER

SYNGENTA CROP PROTECTION SA, MONTHEY

January 2012-December 2015

PEOPLE MANAGEMENT (Leadership, Management, Methodology development, best practices, technical coaching)

As a Team Leader, I had to manage a team of 3-5 people, consisting of chemists, engineers and lab technicians, supporting many chemical processes in 3 production buildings. I had to coordinate resources to deliver expected results in a safely manner, and also share with them best practices and know how.

MANUFACTURING SUPPORT (Troubleshooting, Process optimization, Safety, Capacity expansion, Cost reduction, Energy /waste management, Supply Chain, Life cycle management)

As a Senior Process Engineer, my role in the manufacturing process was to support production on a daily basis (troubleshooting, quality, capacity) but also ensure long term process development and optimization, to get a reliable, efficient and robust processes at reduced costs. Moreover, I was the technical contact for the supply chain, for example raw material testing, capacity expansion, process outsourcing, etc...

PROCESS ENGINEER

SYNGENTA CROP PROTECTION SA, MONTHEY

January 2008- December 2011

INTRODUCTION OF NEW ACTIVE INGREDIENT IN PRODUCTION (Process development, Sizing, Scale-up, Risk analysis Commissioning, Troubleshooting, Optimization, Outsourcing)

In the project team, my role was to size, design and scale up the whole production line to ensure that the pilot process would then fit in the final asset, in order to safely deliver the required product, within specification and time. I was then in charge to support commissioning in production, and then to optimize the process, as well as reducing costs. Finally, I was the technical contact to provide all required information to outsource the process to third part suppliers in China / India.

TEACHING ASSISTANT AND SCIENTIST (Ph. D Student)

EPFL, SWISS INSTITUTE OF TECHNOLOGY LAUSANNE

September 2003- November 2007

Teaching Assistant for different courses in the field of Chemical Engineering & Biotechnology at Bachelor and Master degree (Downstream Processes, Biological Engineering, Practical work in Chemical engineering, Mammalian cell culture)

Supervision of Bachelor and Master Thesis, as well as semester project (also in collaboration with HES Sion)

FORMATION

CONTINUOUS FORMATION, 2008-2017

Technical : Crystallisation, Aspen Hysis, Pump Design, Process Safety, Corrosion, Electrostatic, Risk Analysis and Safety data, Atex

Other : Communication, Project Management, « Foundation of Leadership », People Management, Kepner Tregoe Methodology (Problem Solving, Decision, Risk, Opportunity), Financial (Product cost structure), Didactic

UNIGE, GENÈVE, 2006-2007

Course and research seminar « Didactique et Epistémologie des sciences », prof A. Giordan, (=9 ECTS credits)

EPFL, SWISS INSTITUE OF TECHNOLOGY LAUSANNE, 2003-2007

PhD (Docteur ès Sciences), «Bioencapsulation as a tool for mammalian cell culture and other biotechnological application » under supervision of Prof U. von Stockar and Ian Marison

EPFL, SWISS INSTITUTE OF TECHNOLOGY LAUSANNE, 1998-2003

Master Degree (Ing. Chimiste Dipl. EPF), Option « Chemical and Biological Engineering »
Master thesis at Ecole Polytechnique de Montréal about « Effect of shear stress on chondrocyte cells phenotype » (Prof M. Jolicoeur)

IT & LANGUAGES

LANGUAGES

French : Mother tongue **English** : Fluent (speaking and writing)

German : Medium knowledge **Italian** : Basic

IT

Office, Aspen, SAP, Other software linked to chemistry (electronic notebook, molecular structure drawing, physical properties simulation, etc...), LaTeX

EXTRACURRICULAR ACTIVITIES

Sport (Running, Badminton, Hiking) ; Music (Playing Flute and Piano) ;
Cooking ; Firefighter