

Mostafa BOUKHRIS

Lecturer in Chemical Engineering



Contact

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Nationality

Moroccan

LinkedIn

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Skills

- Technical Software and office: Hysys, Comsol, Excel, Word, Power Point

Multifaceted Lecturer with more than 10 years of expertise in adapting presentations to reach students of diverse backgrounds. Expert in leveraging in-depth knowledge and experience in chemical engineering to provide relevant information and first-hand experiences. Known for great personable demeanor and strong work ethic.

Work history

2013-03 -
Current

lecturer in chemical engineering

Northern Border University, Arar, Saudi Arabia

- Teaching the following courses: chemistry for chemical engineers, inorganic industries, physical chemistry, unit operations, separation methods, heat transfer.
- Teaching the following laboratories: physical chemistry, unit operations
- Assessed student feedback to determine course requirements and personal growth opportunities.
- Mentored students, offering flexible office hours to discuss issues and concerns.
- Monitored progress of cohort of 30 students through strategic variety of assessments.
- Experience in the system of accreditation of bachelor engineering and technologies (ABET).

2010-06 -
2010-10

Quality Engineer

the packing plant fruits Julien Meffre, Monteux, France

- Verified quality metrics for manufacturing guidelines.
- Created and issued Standard Operating Procedures for team members to follow.
- Collaborated with engineering team to communicate and achieve quality standards and outputs.
- Verified conformity by performing complete dimensional verifications using engineering software.
- Submitted performance reports, identifying shortfalls and facilitating improvement actions.
- Investigated customer complaints to address areas of improvement and eliminate non-conformances.
- Measured and monitored quality performance against agreed KPIs, implementing

recommendations.

2009-01 -
2009-07

Assistant production manager

Italcementi Group cement, Beaucaire, France

- Mission: installing a new burner and adjusting its firing parameters.
- Reviewed and analysed production performance indicators and requirements to maximise output quality.
- Implemented changes in working conditions, equipment and tools to improve workflow, efficiency and team member safety.

2007-12 -
2008-06

Assistant research engineer

CERPHOS , OCP group, Casablanca, Morocco

- Physical chemistry analysis of phosphate and other materials (cement, medicine ...) By XRD, granulolaser, prosimeter.
- Identified root causes and implemented permanent solutions in support of programme performance metrics.
- Developed products and prototypes for various types of product designs.

Education

2008-09 -
2009-07

Master's degree: Chemical Engineering

Aix Marseille University – Marseille-France

2002-09 -
2007-01

Bachelor of Science: Chemical Engineering

Hassan II University – Mohammedia-Morocco

Accomplishments

- Experience in teaching the following courses: chemistry for chemical engineers, inorganic industries, physical chemistry, unit operations, Heat Transfer
- Experience in teaching the following laboratories: physical chemistry, unit operations

- Experience in the system of accreditation of bachelor engineering and technologies (ABET)
- Optimize production , and environmental indicators
- Train and supervise the production and quality teams
- Installation and adjustment of burners for industrial furnaces
- Proficiency in mangement and environmental quality (ISO 9001 , ISO14001)
- Proficiency in chemical process safety
- Proficiency in project management (Cantt method,)
- Proficiency in production management (TPM, MRP)
- Calculation and design of industrial reactors
- Calculation and Design of distillation and extraction columns
- Design of evaporators and industrial dryers
- Calculation of industrial heat exchangers
- Quality Control (GC-MS, GC-SPME, SPME-HPLC, NMR, mass spectroscopy,
- XRD)
- Control of technical water treatment, solid waste and industrial fumes
- Design of aerobic and anaerobic biological treatment plants
- Research carried out on the valorization of polymer-modified clay adsorbents in the treatment of water containing heavy metals.The research work plan was based on the following steps: -Preparation and characterization of clay adsorbents -Preparation of the aluminum polymer and characterization of its solution -Modification of clays by the aluminuim polymer and characterization of the clay-Al compound-Development of model reaction mixtures for study in the laboratory (cobalt, methylene blue, etc.) -Study of the adsorbent performances of the clay-Al compound.

Hobbies

Sport (foot-ball, ping-pong). Reading.