



Country of Residence: Algeria



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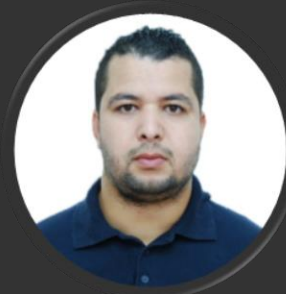


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# Raouf BOUCHARREB

Senior Drilling Supervisor

Scientific Researcher at LGPDDPS,  
ENPC-Constantine, Algeria



## Assignment History/Experience

### Academic assignments:

**February 2020 up to present MSc Projects Main Supervisor at National High School of Biotechnology, Constantine, Algeria**

▪ As a Master's Project Main Supervisor, I was ultimately responsible for all health and safety aspects of my students' research, relevant risk assessments and for ensuring that students receive appropriate training in order that they can carry out their research safely in particular inside laboratory. I was involved in the following MSc projects topics:

- The use of "Moringa Oleifera Seeds" as biocoagulant for the treatment of chocolate industry processing wastewater
- Production of biogas by anaerobic fermentation of coagulation sludge from Whey
- Production of biogas by anaerobic fermentation of coagulation sludge from Whey
- The use of Moringa Oleifera seeds waste as biosorbent for the elimination of toxic dyes
- Optimization of the methods and conditions for extracting active coagulants from Moringa Oleifera seeds for the treatment of industrial wastewater by coagulation/flocculation process
- Treatment of industrial wastewater by biocoagulation processes.
- Recycling of household organic waste into bioadsorbents and industrial water treatment
- Production of biohydrogen by dark fermentation of industrial pigment waste.
- Use of Household Biodegradable Waste (Agri-Food) for Biomethane Production.

**September 2020 to July 2021 Part-time LECTURER at National Polytechnical School of Constantine, Algeria**

**September 2009 to July 2011 Part-time LECTURER at Mohamed Kheider University, Biskra Algeria**

**September 2009 to July 2010 Part-time LECTURER at Oumeche High School, Biskra Algeria**



### Languages

Arabic

English

French

Spanish



### Computer & Software

Landmark Software

Microsoft Office

Programing with MatLab



## Assignment History/Experience

### **Oil & Gas Field:**

**February 2020 up to present Senior DRILLING & WORKOVER SUPERVISOR at SONATRACH, Algeria**

**October 2019 to February 2020 Senior DRILLING ENGINEER & CONSULTANT at SIPEX BVI, Niamey Niger**

**July 2019 to October 2019 Senior DRILLING SUPERVISOR at SIPEX BVI, Kafra Niger**

**August 2014 to July 2019 Senior DRILLING SUPERVISOR at SONATRACH, Algeria**

**February 2012 to August 2014 Night DRILLING SUPERVISOR at SONATRACH, Algeria**

- As drilling supervisor, I oversee the work and ensure that it is completed in a timely manner. In my drilling supervisor positions, I am involved in examining drilling sites, working cooperatively with management to develop operational plans and ensuring that drilling operators and other personnel follow safety standards.

**September 2011 to January 2012 HSE SUPERVISOR at SONATRACH-SAIPEM-OGEC LPG- LDHP Pipeline Project, Hassi Messaoud Algeria**

- As HSE supervisor, I was planning safe working practices and making necessary changes. I was keeping up to date and ensuring compliance with current health and safety legislation. I was ensuring that equipment are installed correctly/safely and providing

## Education

**September 2013 to July 2022 PhD Preparation in Environmental Engineering at Salah Boubnider University-CONSTANTINE, Algeria**

- PhD Topic: Wastewater treatment by physicochemical processes

**August 2012 to June 2014 Master of Science in [Drilling & Well Engineering](#) at Robert Gordon University-ABERDEEN, United Kingdom**

- Master of Science in Drilling and Well Engineering

MSP Topic: INVESTIGATE HOLE CLEANING IN MEDIUM RADIUS WELLS AT HASSI MESSAOUD FIELD & PROPOSE SOLUTIONS AND METHODS OF CONTROL

**September 2009 to July 2012 Process Engineering at Mohamed Kheider University-BISKRA, ALGERIA**

- Post-Graduation Diploma (Magister) in Chemical Engineering (the first in my class)

**September 2004 to July 2009 Process Engineering at Mentouri University- CONSTANTINE, ALGERIA**

- Chemical Engineer (the first in my class)

## Scientific production

- Enhanced fermentative biohydrogen production from milk processing wastewater by magnetic spinel ferrites nanoparticles
- Green synthesis of iron oxide nanoparticles derived from water and methanol extract of *Centaurea solstitialis* leaves and tested for antimicrobial activity and dye decolorization capability
- Enhanced fermentative hydrogen production from potato waste by enzymatic pretreatment
- Uptake of Methyl Red dye from aqueous solution using activated carbons prepared from *Moringa Oleifera* shells
- Application of nanotechnology in anaerobic digestion for biohydrogen production improvement from natural coagulation/flocculation sludge using metallic oxide nanoparticles
- Treatment of personal care product wastewater for reuse by integrated electrocoagulation and membrane filtration processes
- Iron-loaded leonardite powder for Fenton oxidation of Reactive Red 180 dye removal
- Photocatalytic activity of calcined chicken eggshells for Basic Red 2 and Reactive Red 180 decolorization
- Electrooxidation and subcritical water oxidation hybrid process for pistachio wastewater treatment
- A hybrid process for leachate wastewater treatment: evaporation & reverse osmosis/sequencing batch reactor
- Iron Oxide Particles Loaded Activated Carbon Cloth and Comparison of Adsorption and Fenton Reaction for Efficient Cationic and Anionic Dyes Removal
- Water recovery from yarn fabric dyeing wastewater using electrochemical oxidation and membrane processes
- Investigation of sesame processing wastewater treatment with combined electrochemical and membrane processes
- Effective treatment of chocolate industry effluent using waste from biocosmetic industry
- Potato processing wastewater treatment using a combined process of chemical coagulation and membrane filtration
- Use of Aloe vera as an Organic Coagulant for Improving Drinking Water Quality
- Optimization of active coagulant agent extraction method from *Moringa Oleifera* seeds for municipal wastewater treatment
- Innovative Technologies Adopted for the Production of Bioplastics at Industrial Level
- Recycling of TiO<sub>2</sub> containing waste and utilization by photocatalytic degradation of a reactive dye solution
- Combined natural/chemical coagulation and membrane filtration for wood processing wastewater treatment
- Ecologically friendly production of copper powder and elimination of cupric ions from aqueous solutions using D-Glucose and ascorbic acid

## Cont.

- Combined natural/chemical coagulation and membrane filtration for wood processing wastewater treatment
- Synthesis of copper particles and elimination of cupric ions by chemical reduction
- Green synthesis of iron oxide nanoparticles derived from water and methanol extract of *Centaurea solstitialis* leaves and tested for antimicrobial activity and dye decolorization capability
- Enhanced fermentative hydrogen production from potato waste by enzymatic pretreatment
- Uptake of Methyl Red dye from aqueous solution using activated carbons prepared from *Moringa Oleifera* shells
- Quality Improvement of an Oil Industry Wastewater Using Aloe Vera And Acorn Leaves for a Natural Coagulation-Flocculation-Sedimentation Process