Dr. TASSALIT Djilali

Chemical Engineering Researcher, development Unit of Solar equipments

Research Field: Wastewater treatment, Photocatalysis and Advanced Oxidation Processes, Water biotechnologies, Adsorption.

E-mail: *tassalit2003@gmail.com*

Cellular: (*+213)5 52 33 28 48*

Address*: BP N°301, MILIANA, 44200, ALGERIA*

Motivation letter

I am writing to apply for Postdoc position in your laboratory on wastewater treatment**.** I would be very grateful if you give me the opportunity to make an exceptional contribution and participate in your laboratory program

I graduated in Environmental Engineering in 2004 from Houari Boumedienne University, Algeria. During my studies I became very interested in water and gas pollution treatments, its principles and associated method that allow the evaluation of potential environmental pollution risks and theirs prevention.

In the context of sustainability, during my final year of engineering diploma, I worked on photocatalytic elimination of phenol using helical reactor, Catalyst and U.V. light.

In 2008, I have magister Degree in Chemical Engineering at Houari Boumedienne University, Algeria. When developing my magister dissertation, I applied my research skills in a real case study on wastewater treatment. It was a real challenge and a very interesting experience for me to develop a new photocatalytic reactor to eliminate recalcitrant pollutants by photocatalysis using UV/TiO_2 system which convinced me to reinforce my effort and experience in the photocatalytic oxidation for water purification using artificial or solar light.

In 2013, I have Doctorate Degree in science in energy process option Chemical Engineering. I have been working on photocatalytic elimination of pharmaceutical pollutants using of ZnO and TiO_2 and a mixture of this two photocatalyst. This has reinforced my interest in this topic, to which I intend to contribute and get involved as a researcher.

Currently, I am researcher in *Solar Equipment Development Unit, UDES,I work in* Water and Environmental treatment using renewable energy. In the same time, I am a member of many scientific projects:

PNR (National Research Project)
Project Title: Design and implementation of a new photocatalytic reactor. Application of advanced oxidation processes for emerging contaminants treatment: the case of pharmaceuticals and plant waste.
The collaborative project between Algeria and Tunisia 2012-2015:
Project Title: Design and implementation of a hybrid photocatalytic system for the wastewater treatment from plants and hospitals.

FP7 "WATERBIOTECH" 2010-2014
Project Title: Biotechnology for Africa's sustainable water supply Funding Scheme: KBBE.2010.3.5-02 / Grant Agreement number: 265972

Thank you very much for considering my application and I look forward to hearing from you.

Sincerely

Mr TASSALIT Djilali