



Editorial Board

Rafiqul Gani

Technical University of Denmark

Dominique Richon

School of Chemical Technology AaltoUniversity, Finland

Marek Rogalski

University of Lorraine, Metz, France

Sümer Şahin

Near East University, Turkish Republic ofNorthern Cyprus

Hans-Jörg Bart

University of Kaiserslautern, Kaiserslautern,Germany

Karim Allaf

University of Rochelle, Rochelle, France

Jean Louis Delanoiselle

University of Bretagne Sud (France)

Mourad Boumaza

King Saud University, Saudia Arabia

Djamila Rouag

University Constantine 3, Constantine, Algeria

Mallouf Chadi

Reims University, France

Ammar Bennadji

Robert Golden University Aberdeen (UnitedKingdom)

Anissa Tabet Aoul

University El Ain (Arab United Emirates)

Thomas Lendormi

University of Bretagne Sud (France)

Samir Foura

King Saud University, Saudia Arabia

Fatiha Meghezzi

Constantine 3 University, Constantine, Algeria

Table of content

- Preparation of an activated carbon / β -Cyclodextrin composite material with high adsorption capacity of Pb^{2+} using an hydrothermal method.
Khokha Yahiaoui, Farouk Boudrahem, Farida Aissani-Benissad (1)
- The competitive adsorption of basic yellow 28 and humic acids (BY28/HA) in single and binary mixtures onto hydrophobic modified pillared montmorillonite.
Faiza Zermane, Benamar Cheknane, Omar Bouras (7)
- Batch sorption of lead from aqueous solutions using Reed as an adsorbent: Equilibrium and kinetic studies.
Farouk Boudrahem, Farida Aissani-Benissad (15)
- Study of the photocatalytic degradation of an emerging pollutant in the presence of zinc oxide.
Hachi Wassila, Yennoune Akila, Bouhamidi Yasmine, Kaouah Farida (23)
- Biomass activity and species assessment in a submerged membrane bioreactor operating at high SRT and low COD/N using respirometric analysis and modeling.
Hana Benaliouche, Djamel Abdessamed, Geoffroy Lesage, Marc Heran (27)
- Determination of the optimum permeate flow and total resistance to fouling by Minitab software during tangential microfiltration for the production of drinking water.

Mohamed Boussemgoune , Mustapha Chikhi, Messaouda Samai, Khaled Batouche, Abdeslam-Hassen Meniai.(31)

- **Degradation of the Microbiological Quality of Superficial and Ground water around El Haria Landfill.**

Noura.Mansouri, Rachida Assabaa, Kheira Bennadji (35)

- **Preliminary studies of the purification properties of the bottom ash from incineration of hospital waste for bleaching a synthetic discharge from the textile industry.**

R. Zamouche –Zerdazi, S. Siad, M. Bencheikh Lehocine, A- H. Meniai (40)

- **Development of a liposomal suspension to increase the skin penetration of Diclofenac.**

Gherrick Fouzia, Djilali Khadija, Hadj Sadok Abdelkader (47)