

AJER

المجلة الجزائرية للبحوث الهندسية
ALGERIAN JOURNAL OF ENGINEERING RESEARCH



**INNOVATIVE PROCESSES
AND THE ENVIRONMENTAL PROTECTION**

Algerian Journal of Engineering Research

Editorial Board

Editor-in-Chief

[Abdeslam-Hassen Meniai](#)

University Constantine 3, Constantine, Algeria

Editors

[Mossaab Bencheikh Lehocine](#)

University Constantine 3, Constantine, Algeria

[Jean-Pierre Grolier](#)

University Blaise Pascal, Clermont- Ferrand, France

[Abdeltif Amrane](#)

University of Rennes (France)

Coordinator Editors

[Outili Nawel](#)

University Constantine 3, Constantine, Algeria

[Arris Sihem](#)

University Constantine 3, Constantine, Algeria

Editorial Board

[Rafiqul Gani](#)

Technical University of Denmark

[Dominique Richon](#)

School of Chemical Technology Aalto University, FI-00076, Aalto, Finland

[Marek Rogalski](#)

University of Lorraine, Metz, France

[Sümer Şahin](#)

Near East University, Turkish Republic of Northern Cyprus

[Hans-Jörg Bart](#)

University of Kaiserslautern, Kaiserslautern, Germany

[Karim Allaf](#)

University of Rochelle, Rochelle, France

Jean Louis Delanoiselle
University of Bretagne sud (France)

Thomas Lendormi
University of Bretagne sud (France)

Mustapha Chikhi
University Constantine 3, Constantine, Algeria

Wahida Louaer
University Constantine 3, Constantine, Algeria

Rehab Boushaba
University Constantine 3, Constantine, Algeria

Ahmed Zermane
University Oum El Bouaghi (Algeria)

Fatiha Meghezzi
University Constantine 3, Constantine, Algeria

Papers	Implementation of a Photocatalytic / Adsorption hybrid reactor: Application to the elimination of recalcitrant pollutants <i>MAHMOUDI Meriem, BOURAS Omar, AOUABED Ali</i>	1
	Chromium removal by adsorption onto Activated Carbon <i>DRISSI Rima, DALI Awatef, CHABANE Mouats</i>	5
	Adsorption of organic compound by calcined hydrotalcite materials: modeling and experimental validation <i>BOUKHALFA Nadia, DJEBRI Nassima, BOUTAHALA Mokhtar</i>	9
	Experimental evaluation of pharmaceutical products effect on activated Sludge activity: case of Amoxicillin <i>SAKHRAOUI Mahfoud, BENCHEIKH-LEHOCINE M., ZERDAZI-ZAMOUCHE R. & MENIAI A-H.</i>	14
	Spectrophotometric studies of charge transfer complexes of 2, 3- Dichloro 5, 6-Dicyano-P-Benzoquinone As Π -Acceptor <i>MESSIAD Hanane</i>	24
	Synthesis of keggin type vanadophosphomolybdate supported modified clays and their catalytic performance in Cyclohexene epoxidation <i>BOUDJEMA Souheyla, RABAH Hafsa, CHOUKCHOU-BRAHAM Abderrahim</i>	30
	Measurements and correlation of liquid–liquid equilibrium of Water + Carboxylic Acid or Alcohol + 1,8-Cineole Ternary Systems <i>TIMEDJEGHDINE M., KHECHAI M., HASSEINE A., MERZOUGUI A., BECHKA I.</i>	37
	Effect of operating parameters on supercritical fluid extraction of vegetable oil <i>BELBAKI Abdelber, LOUAER Wahida, MENIAI Abdeslem H.</i>	42
	A mechanistic hydrodynamic model for pressure drop prediction in trickle-bed reactors <i>LAKKAICHI Maher, OUTILI Nawel, NACEF Saci</i>	45