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HIGHLY POLLUTED PESTICIDES-BEARING
WASTEWATER UNDER THERMOPHILIC CONDITIONS

Authors: N. García-Mancha, V.M. Monsalvo, D. Puyol, J.J.
Rodríguez, A.F. Mohedano



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ENHANCED ANAEROBIC DEGRADABILITY OF HIGHLY POLLUTED PESTICIDES-BEARING WASTEWATER UNDER THERMOPHILIC CONDITIONS

N. García-Mancha^a, V.M. Monsalvo^b, D. Puyol^c, J.J. Rodríguez^a and A.F. Mohedano^a

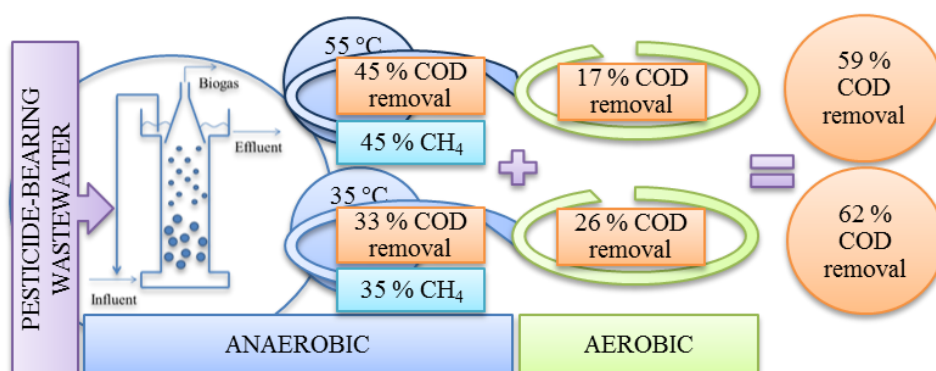
^a Chemical Engineering Section, University Autonoma de Madrid, Francisco Tomas y Valiente 7, 28049 Madrid, Spain (nuria.garciamancha@alumni.uam.es, angelf.mohedano@uam.es, juanjo.rodriguez@uam.es).

^b Innovation and Technology Department, FCC Aqualia. Av. del Camino de Santiago, 40, 28050 Madrid, Spain (victor.monsalvo@fcc.es).

^c Department of Chemical and Energy Tech., Chemical and Environmental Tech., Mechanical Tech. and Analytical Chemistry ESCET, Rey Juan Carlos University, 28933 Madrid, Spain (Daniel.puyol@urjc.es).

Corresponding author: nuria.garciamancha@alumni.uam.es

Graphical abstract



Highlights Anaerobic treatment of pesticide wastewater at mesophilic and thermophilic conditions

Acetoclastic methanogenesis was dramatically inhibited

Most of the starting pesticides were not detected after the anaerobic treatment

More than 60 % of COD removal by coupling an EGSB reactor and aerobic step

Abstract

This work presents a sustainable and cost-competitive solution for hardly biodegradable pesticides-bearing wastewater treatment in an anaerobic expanded granular sludge bed

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