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Cytarabine degradation by simulated solar assisted photocatalysis using TiO_2

A. Koltsakidou¹, M. Antonopoulou², E. Evgenidou¹, I. Konstantinou³, D.A. Lambropoulou^{1*}

¹Department of Chemistry, Aristotle University of Thessaloniki, 54124, Thessaloniki, Greece

²Department of Environmental and Natural Resources Management, University of Patras, 30100, Agrinio, Greece

³Department of Chemistry, University of Ioannina, 45110, Ioannina, Greece.

*Corresponding author at: Aristotle University of Thessaloniki, 54124, Thessaloniki, Greece

E-mail address: dlambro@chem.auth.gr (D.A. Lambropoulou).

Abstract

The photochemical degradation of antineoplastic drug cytarabine (CY) by TiO_2 photocatalysis under simulated solar light (SSL) radiation, $\text{TiO}_2/\text{S}_2\text{O}_8^{2-}/\text{SSL}$ and $\text{TiO}_2/\text{H}_2\text{O}_2/\text{SSL}$ processes was investigated in the present study. Experimental results indicated that CY was quickly degraded in all the studied treatments and degradation kinetics was dependent by all studied variables (i.e. catalyst dose, initial CY

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