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SUPPLEMENTARY MATERIAL

Table S1. Chemical properties of alachlor

Molecular Formula	Chemical structure	Molecular weight (g mol ⁻¹)	Water solubility (mg L ⁻¹ , at 20°C)	$logK_{ow}$	pK _a , at 25°C
C ₁₄ H ₂₀ ClNO ₂	H_3C O CI H_3C CH_3	269.77	240	3.52	0.62

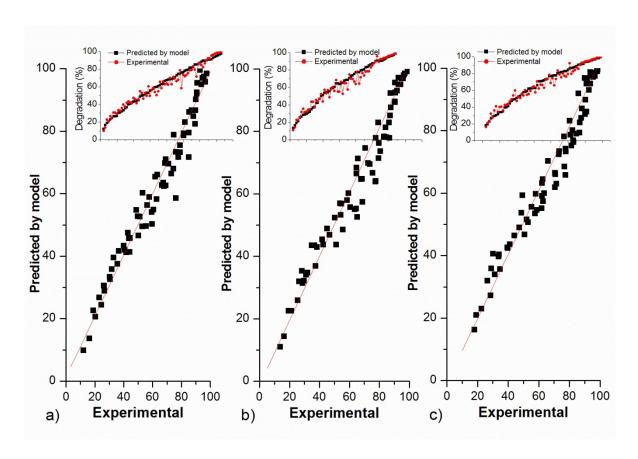


Figure S1. Correlation between the experimental and the predicted values in a regression model for: (a) UV/H_2O_2 (b) $UV/S_2O_8^{2-}$ and (c) UV/HSO_5^- processes