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Article

Photocatalytic degradation of contaminants of emerging concern by N-doped TiO_2 using simulated sunlight in real water matrices

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Supplementary materials

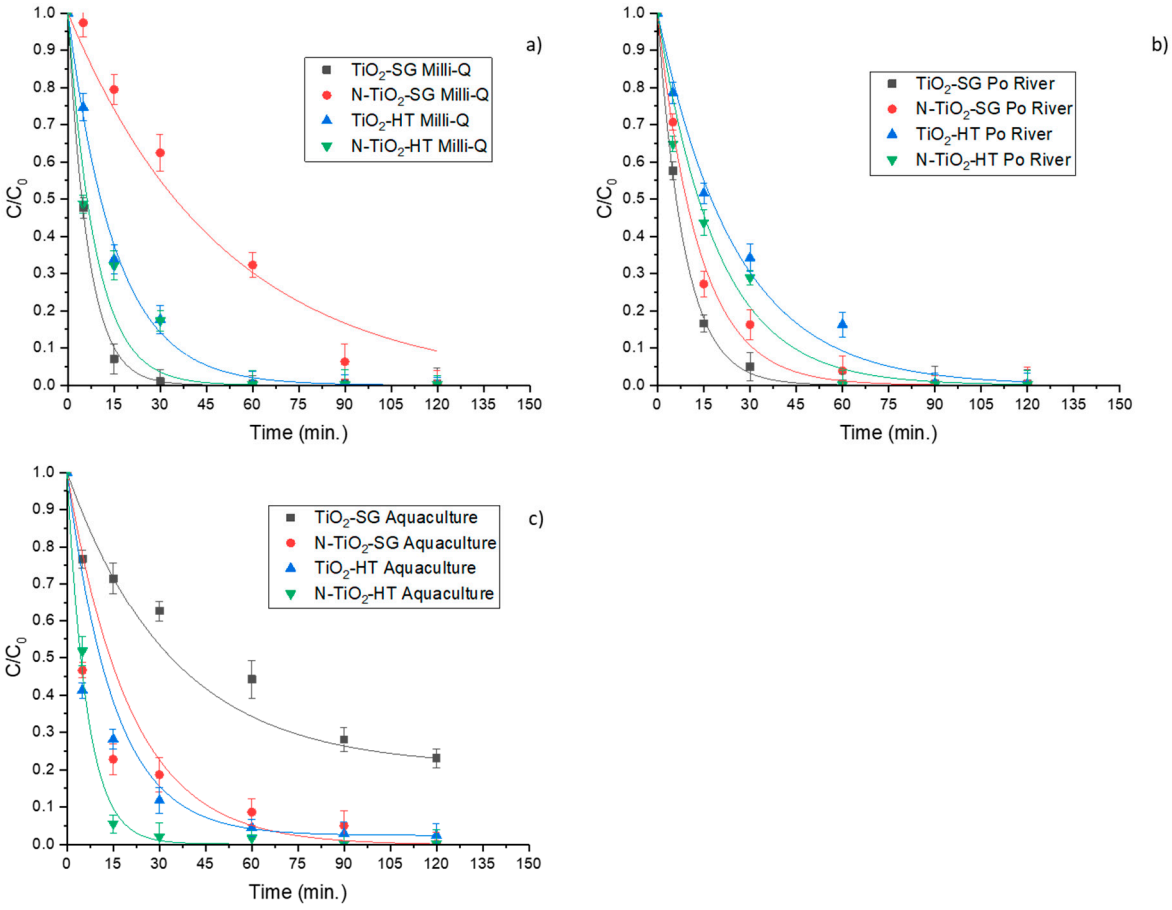

Figure S1: Degradation curves of benzotriazole using the synthetized photocatalyst in different matrices (a) Milli-Q, (b) Po River, (c) aquaculture water irradiating with lamp equipped with λ>340 nm cut-off.

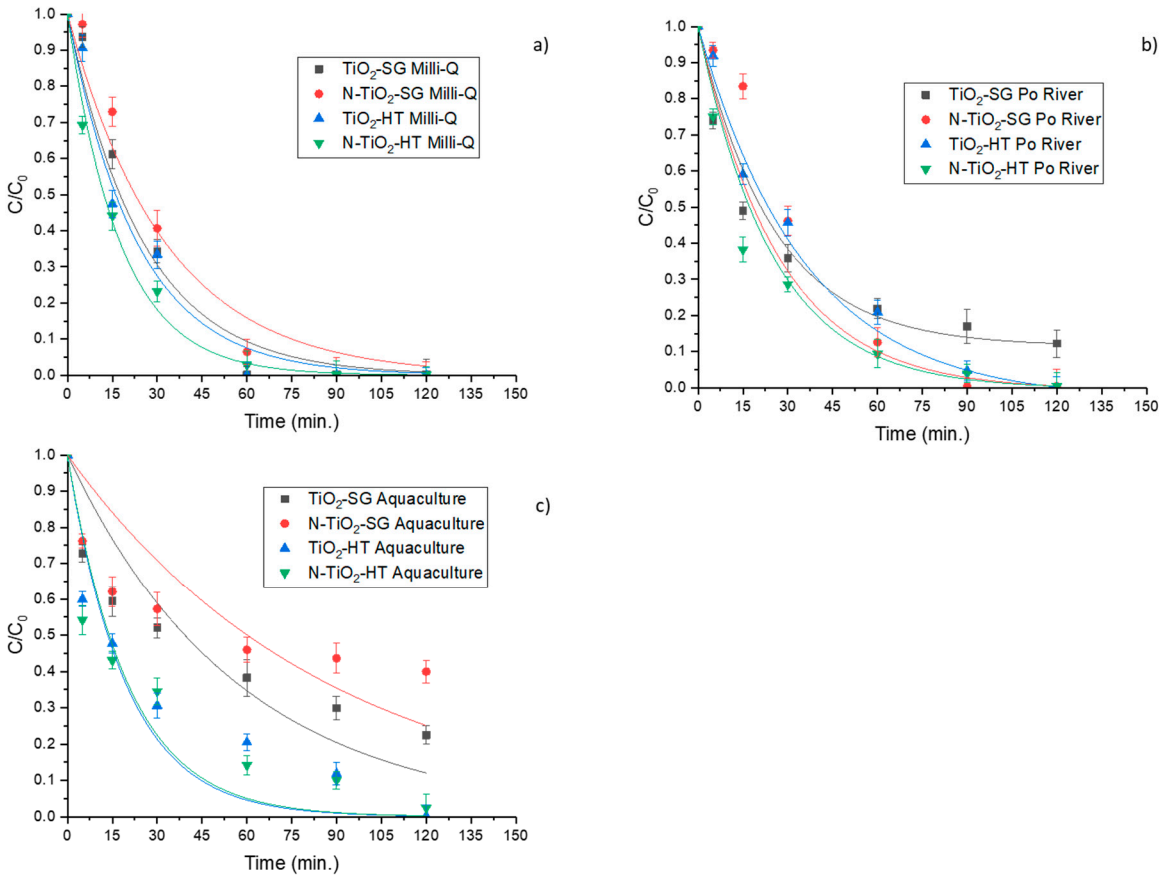

Figure S2. Degradation curves of bisphenol A using the synthetized photocatalyst in different matrices (a) Milli-Q, (b) Po River, (c) aquaculture water irradiating with lamp equipped with λ>340 nm cut-off.

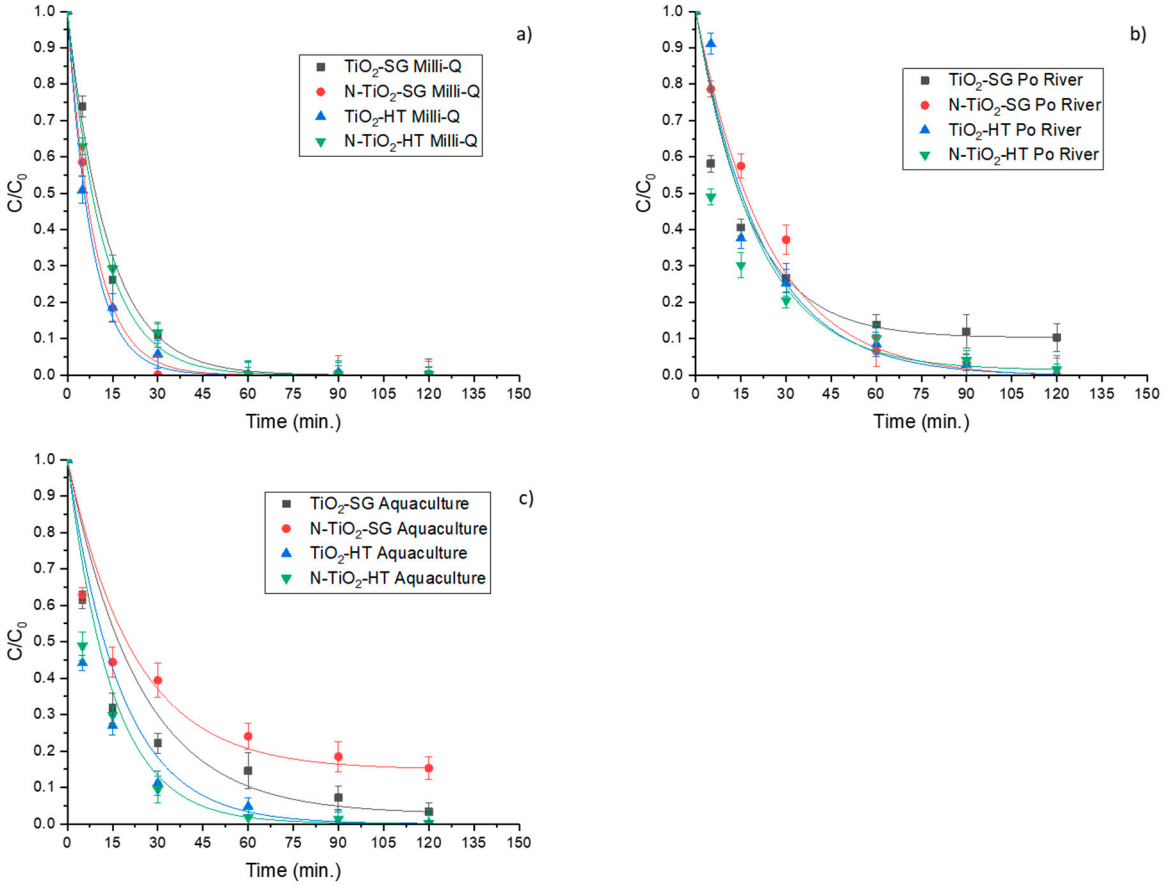

Figure S3. Degradation curves of sulfamethoxazole using the synthetized photocatalyst in different matrices (a) Milli-Q, (b) Po River, (c) aquaculture water irradiating with lamp equipped with λ>340 nm cut-off.

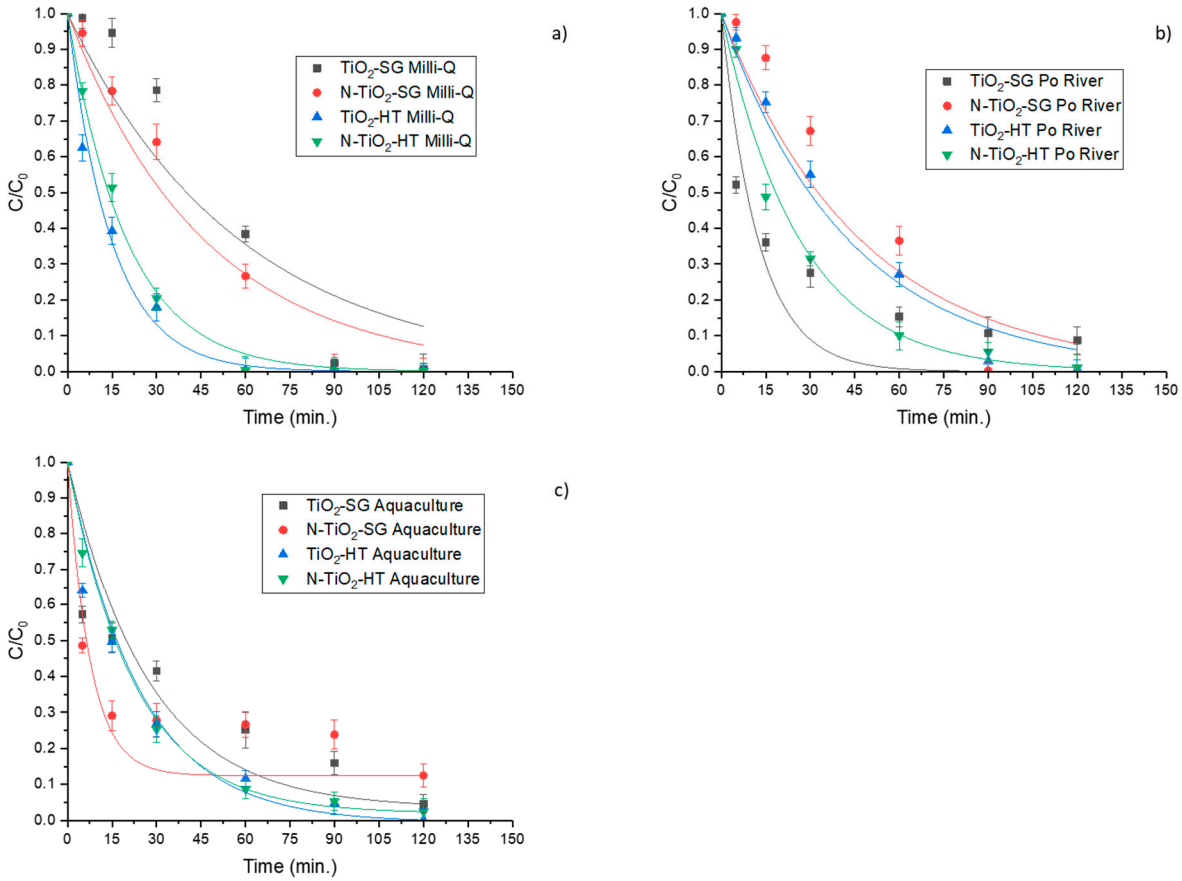

Figure S4. Degradation curves of diclofenac using the synthetized photocatalyst in different matrices (a) Milli-Q, (b) Po River, (c) aquaculture water irradiating with lamp equipped with λ>340 nm cut-off.

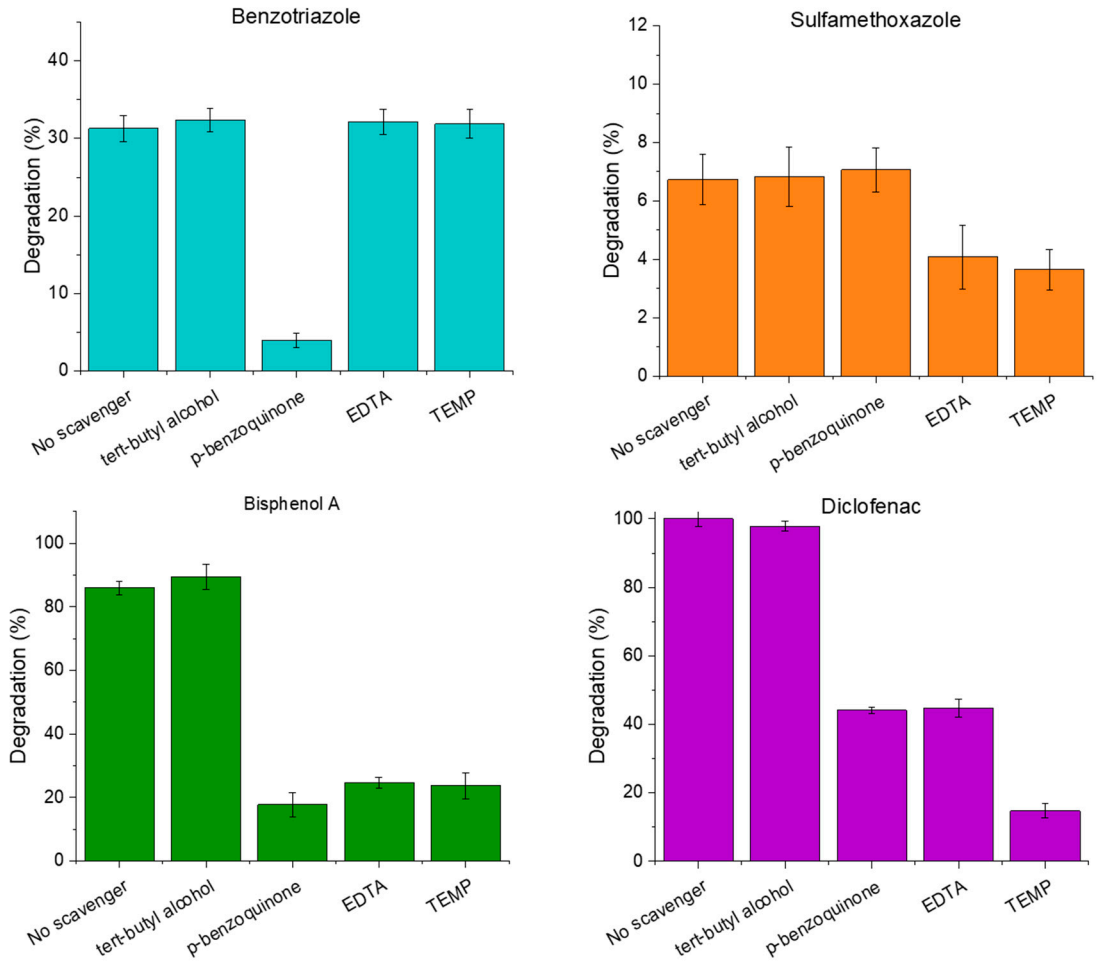

Figure S5. The degradation percentage of CECs obtained using N-TiO_2 HT photocatalyst after two hours of irradiation with λ>400 nm in the presence of t-butyl alcohol, p-benzoquinone, EDTA and TEMP as scavengers of hydroxyl radicals, superoxide radicals, holes and singlet oxygen respectively.

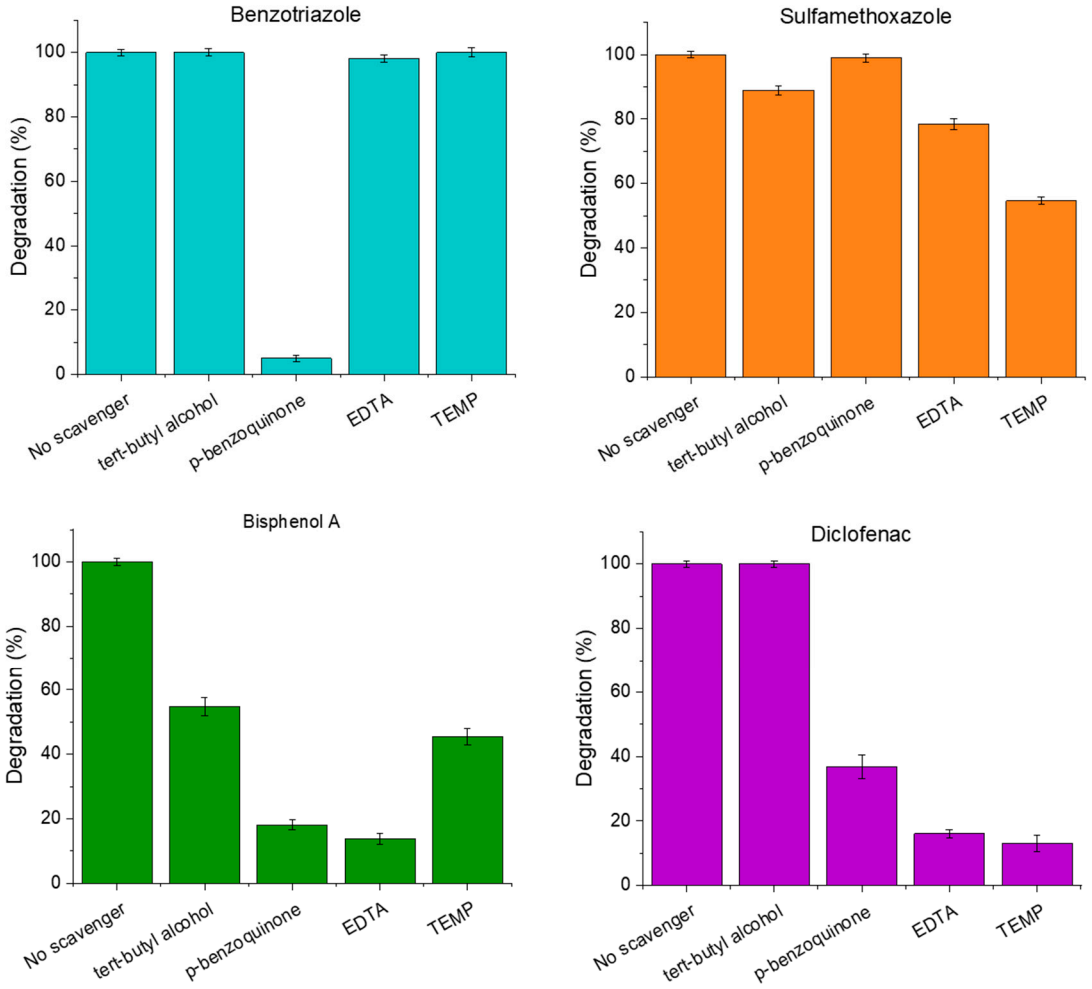

Figure S6. The degradation percentage of CECs obtained using N-TiO_2 SG photocatalyst after two hours of irradiation with λ>400 nm in the presence of t-butyl alcohol, p-benzoquinone, EDTA and TEMP as scavengers of hydroxyl radicals, superoxide radicals, holes and singlet oxygen respectively.