

# Floating ZnO QDs-modified TiO<sub>2</sub>/ LLDPE hybrid polymer film for the effective photodegradation of tetracycline under fluorescent light irradiation: Synthesis and Characterization

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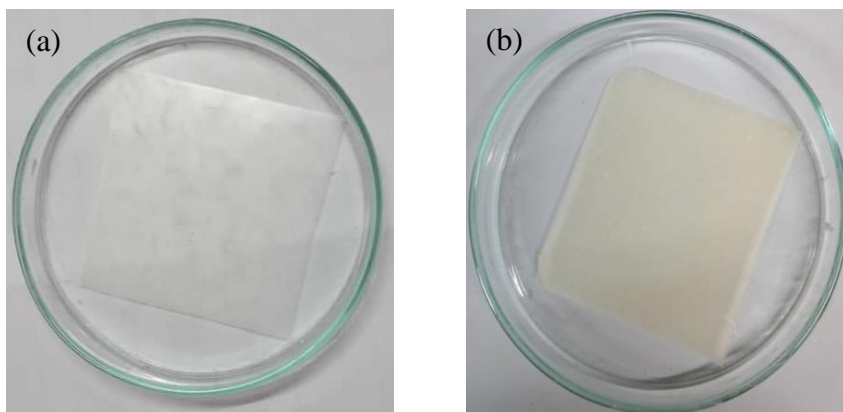
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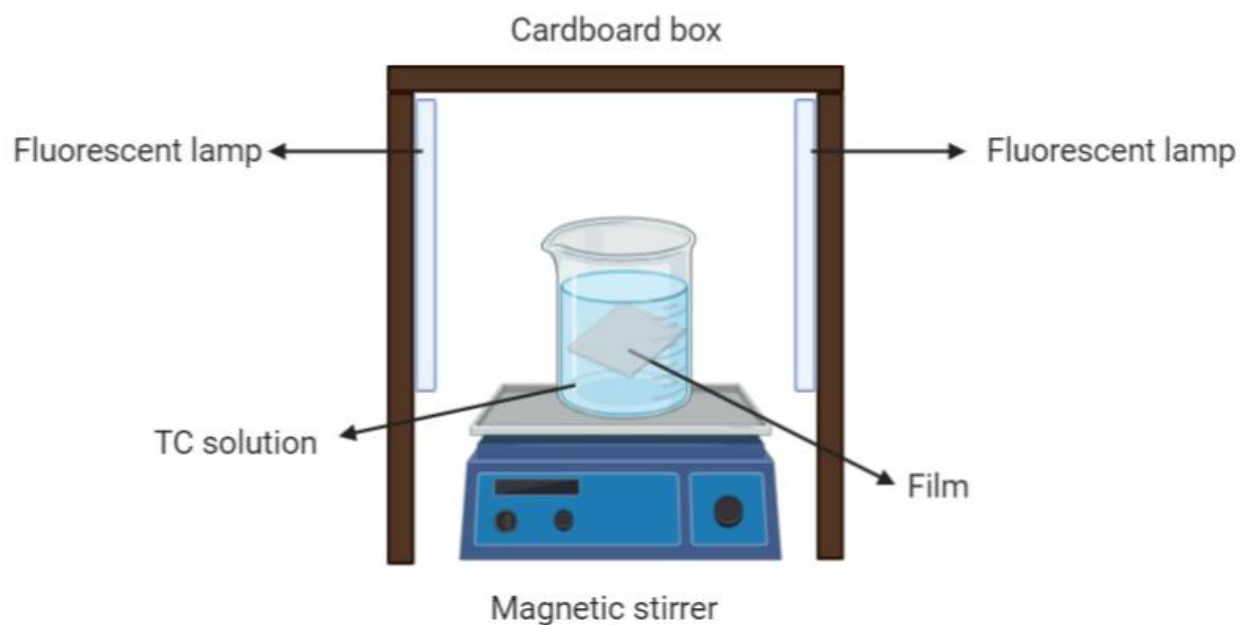
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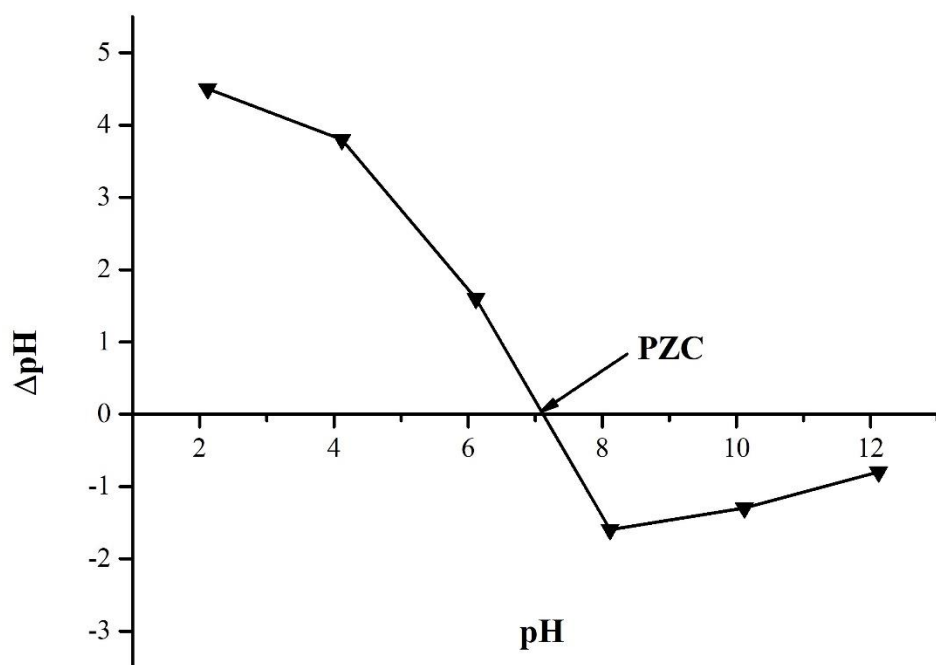
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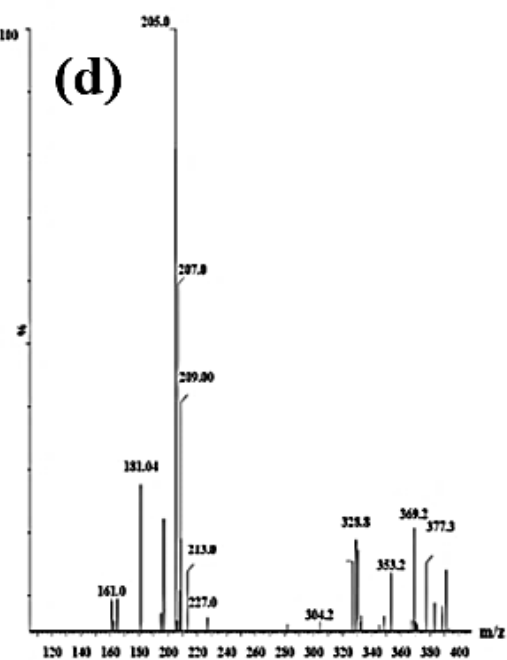
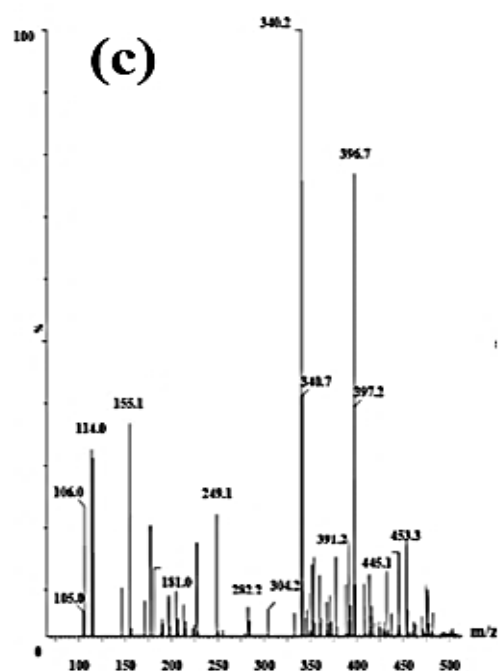
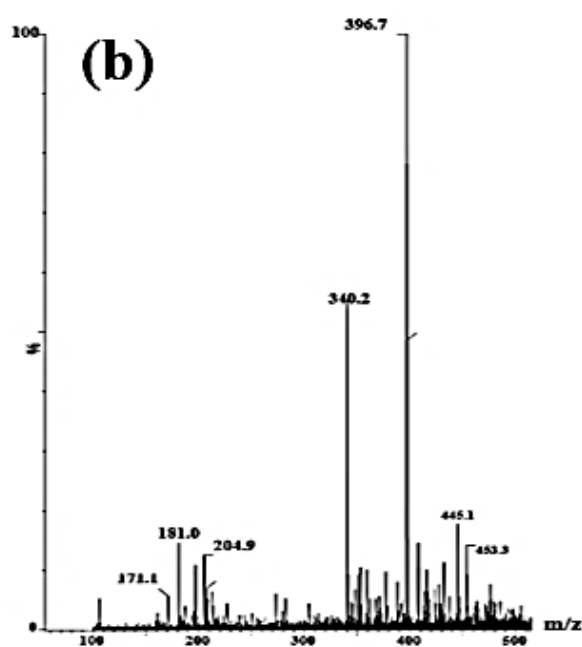
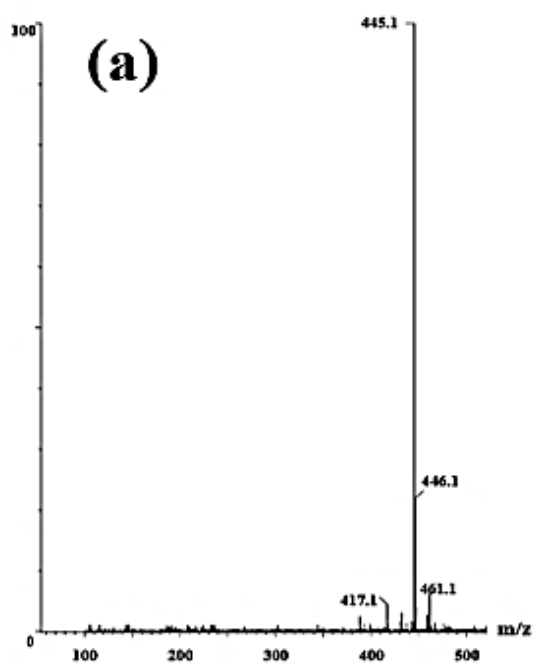
**Figure S1:** Photographs of (a) bare LLDPE and (b) 8%-ZT@LLDPE hybrid films.

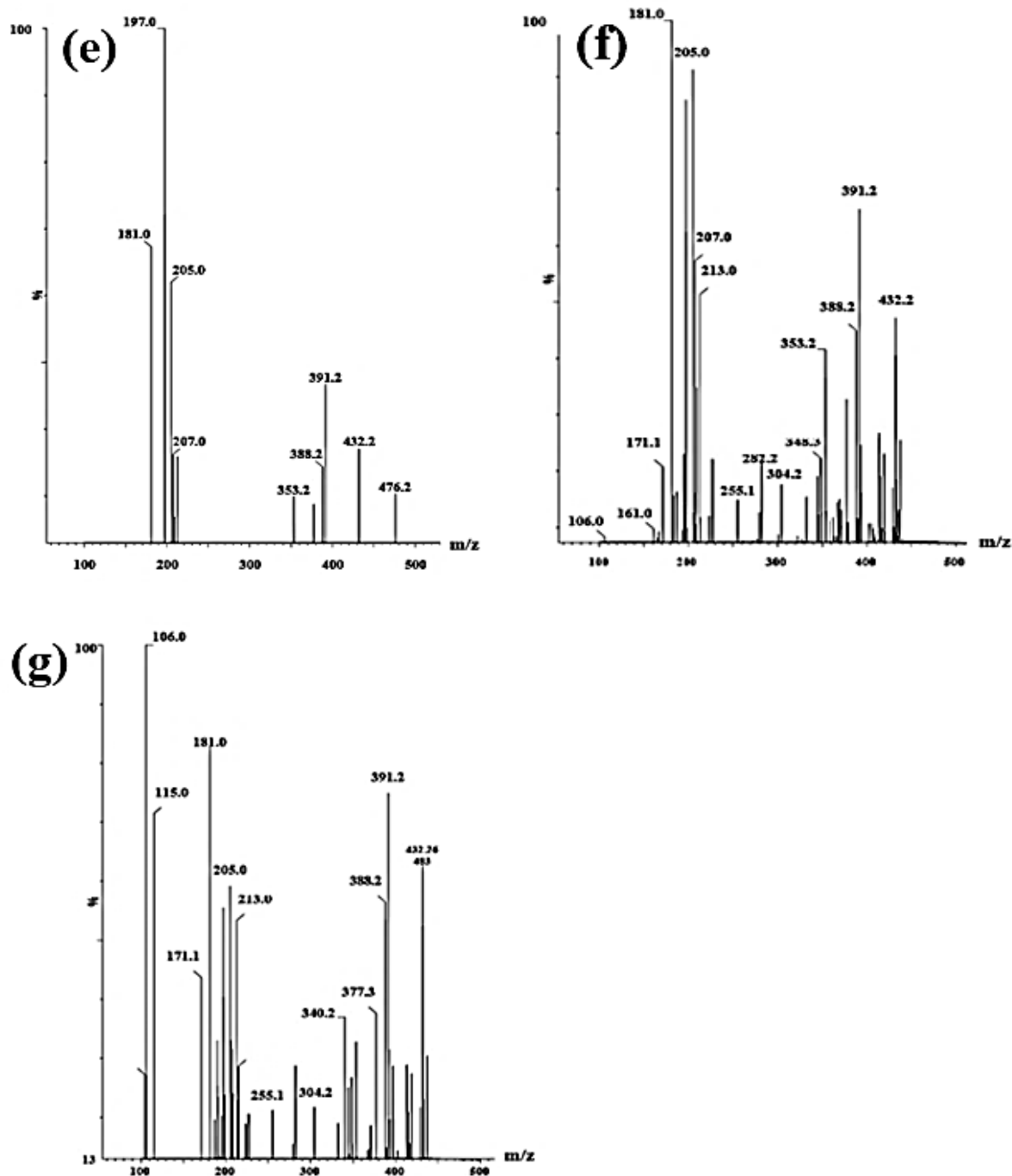


**Figure S2:** Schematic diagram of the photocatalytic reactor for the degradation of TC using the hybrid LLDPE film.



**Figure S3:** The pH point of zero charge ( $pH_{PZC}$ ) of ZT nanocomposites photocatalyst.





**Figure S4:** Mass spectra of (a) TC and (b) its intermediates during degradation in the presence of 8%-ZT@LLDPE