

Supplementary Materials

Fluorescent Chitosan Modified with Heterocyclic Aromatic Dyes

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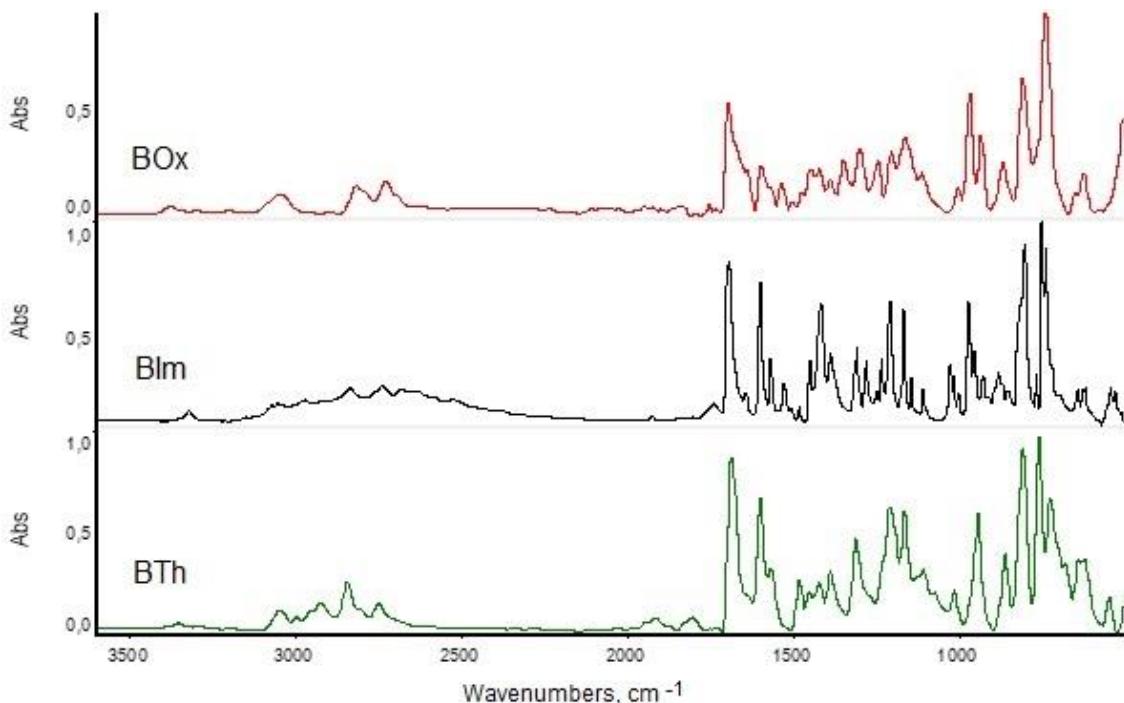


Figure S1. ATR-FTIR of three modifying compounds: BOx, BIm, and BTh.

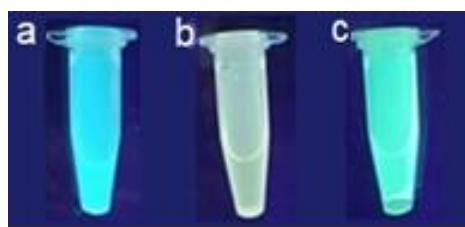


Figure S2. Fluorescence of chitosan derivatives upon 365 nm light: CS- BIm (**a**), CS-BOx (**b**), and CS-BTh (**c**).

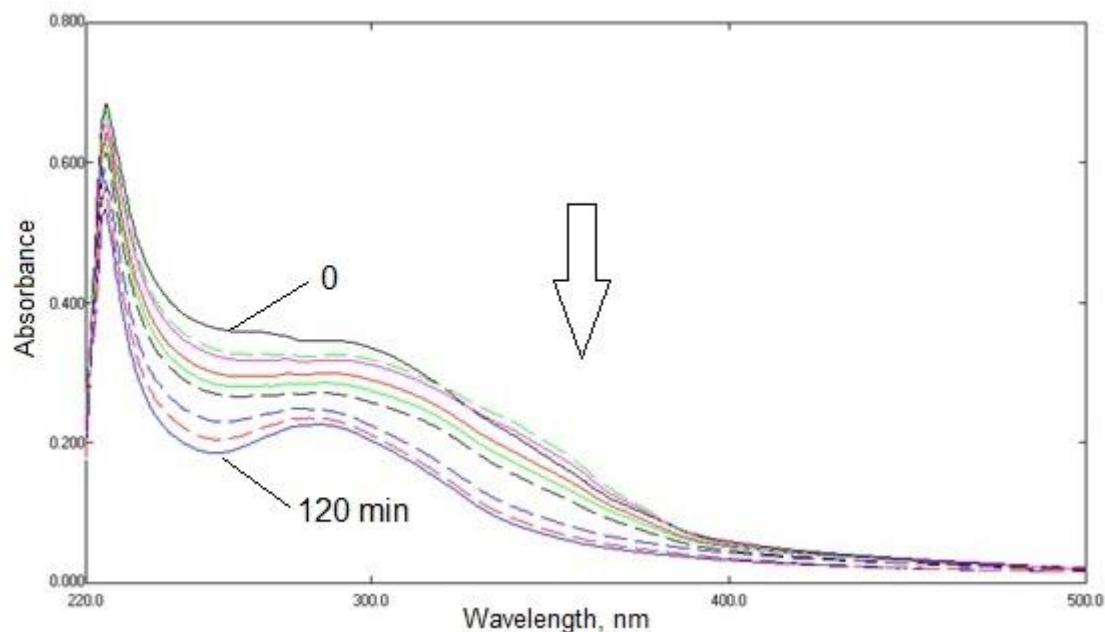


Figure S3. UV-Vis spectra of unmodified chitosan (2% solution in acetic acid) exposed to UV-C radiation in time up to 120 min, the arrow shows the direction of absorbance changes.

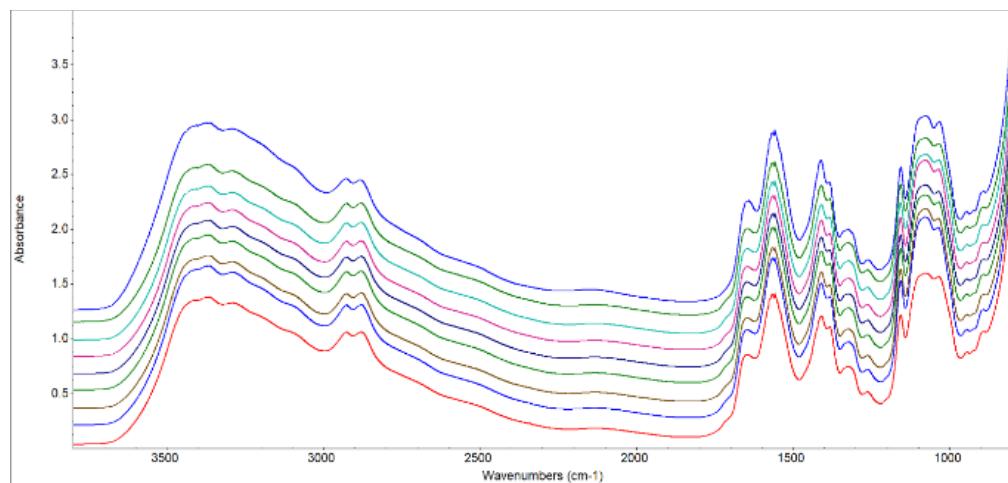
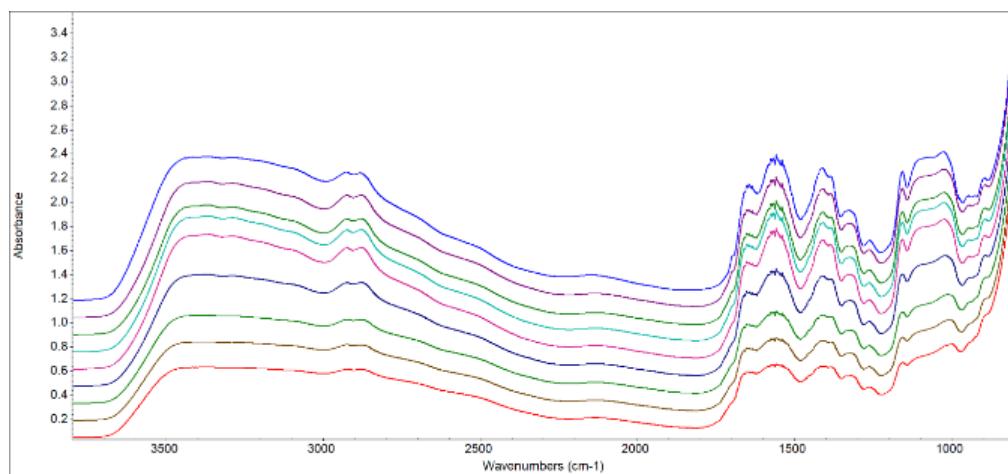
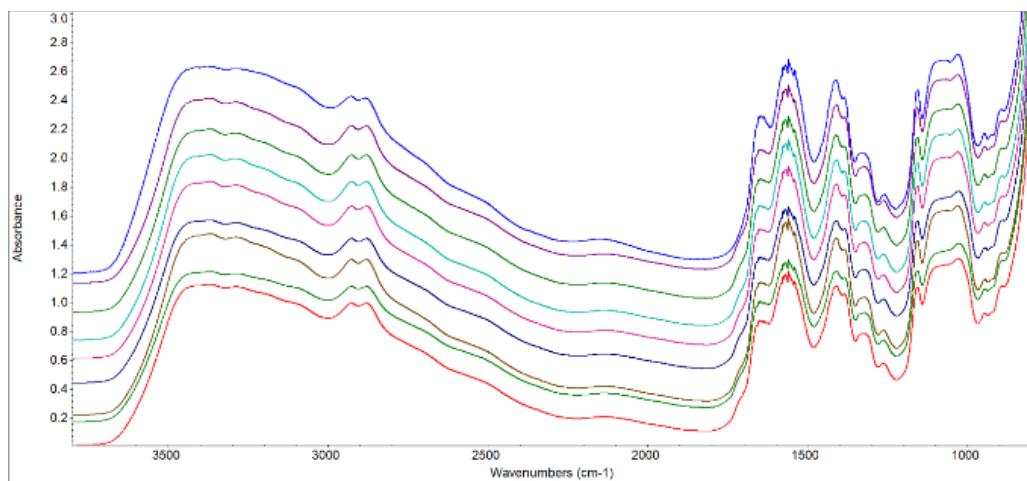
a**b****c**

Figure S4. Changes in FTIR spectra (offset) of studied films during 0-8h UV-irradiation: CS-BIm (**a**), CS-BOx (**b**) and CS-BTh (**c**). The spectrum at the top corresponds to the unexposed sample, at the bottom - after 8h UV.