Supplementary Information for

Biodegradation of synthetic dyes by free and cross-linked peroxidase in microfluidic reactor

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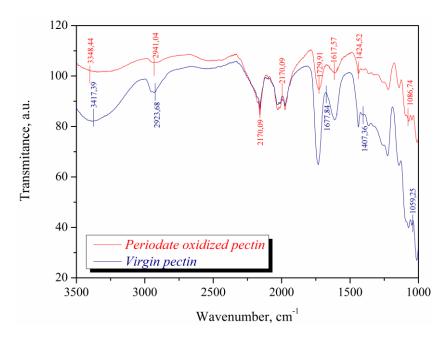
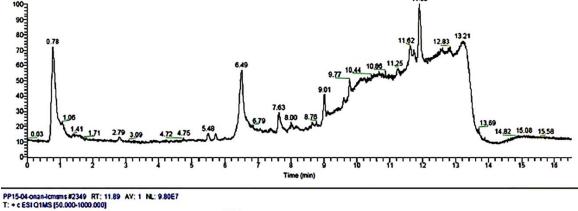


Fig. S1. FT–IR spectra of native and oxidized pectin.

Supplementary Figure S2



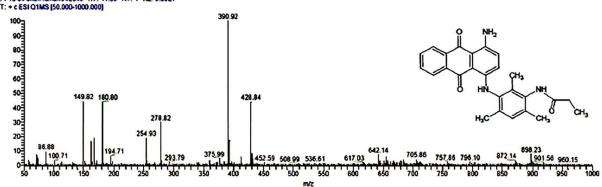
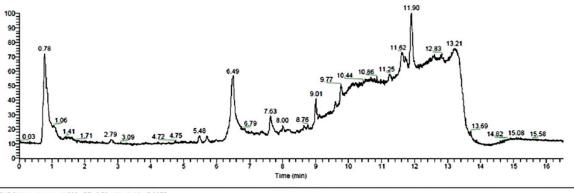


Fig. S2. The byproduct M1 identified by LC-MS analysis.

Fig. S3



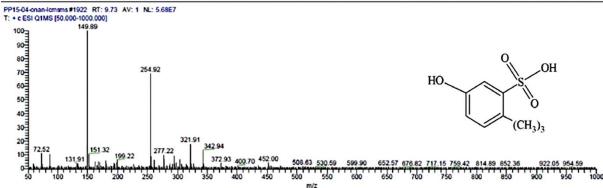
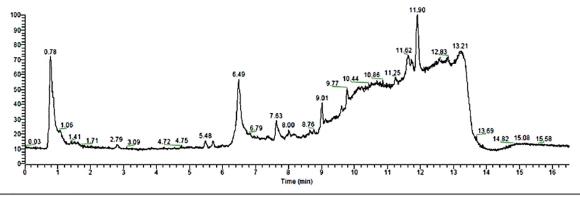


Fig. S3. The byproduct M2 identified by LC-MS analysis.

Fig. S4.



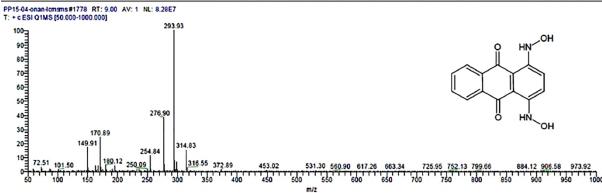
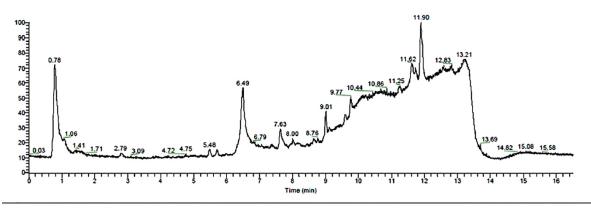


Fig. S4. The byproduct M3 identified by LC-MS analysis.



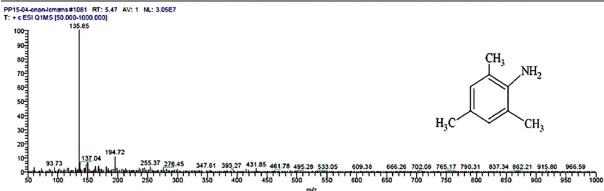
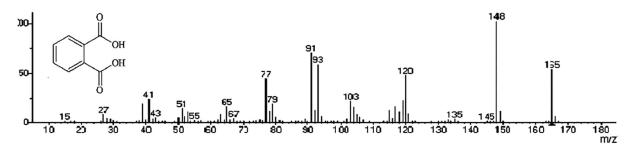


Fig. S5. The byproduct M4 identified by LC-MS analysis.



 $Fig.\ S6.$ The byproduct M5 identified by GC–MS analysis.

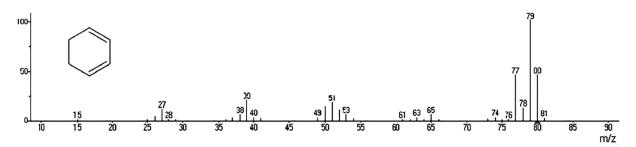
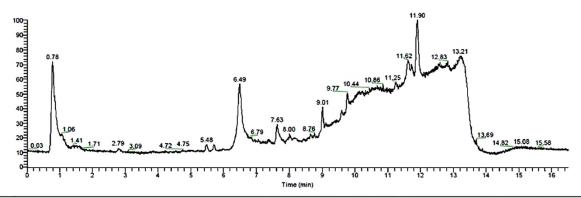


Fig. S7. The byproduct M6 identified by GC-MS analysis.



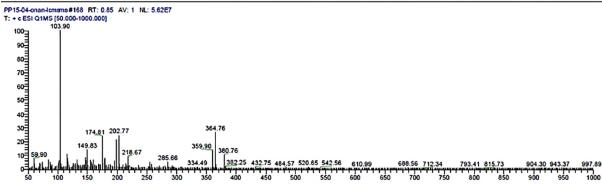
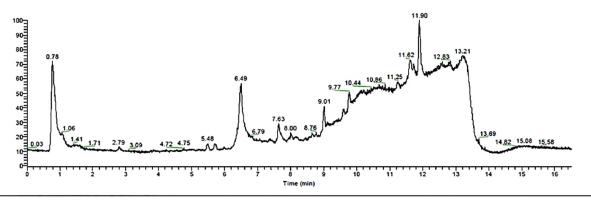


Fig. S8. The (Br⁻) identified by LC–MS analysis.



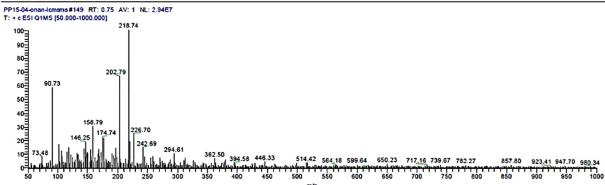


Fig. S9. The (SO₄⁻) identified by LC–MS analysis.