

Smart Enzyme Reactor Based on a Photo-responsive Hydrogel for Purifying Water from Phenol Contaminated Sources

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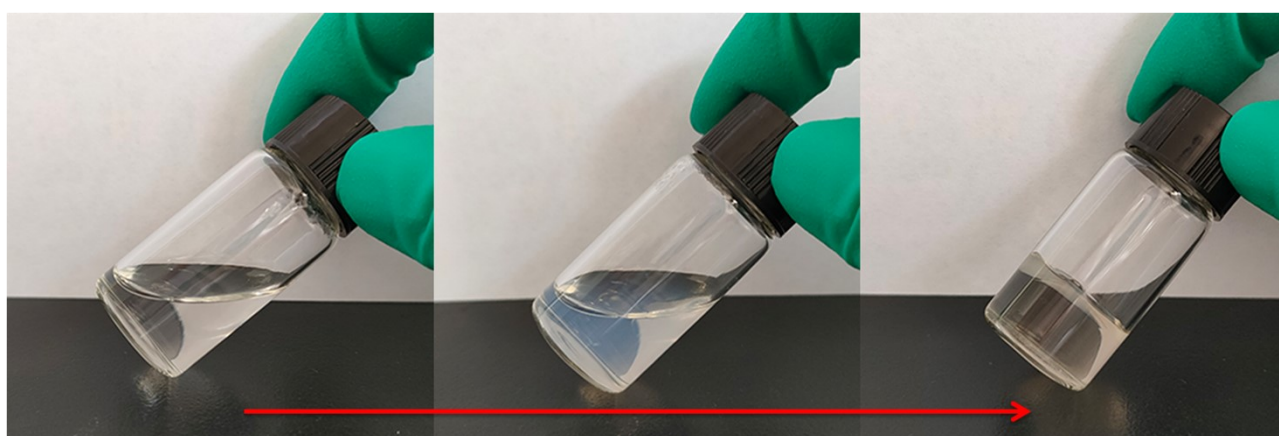


Fig. S1 Optical images of the successful preparation PNIPAm microgels and
PNIPAm hydrogel..

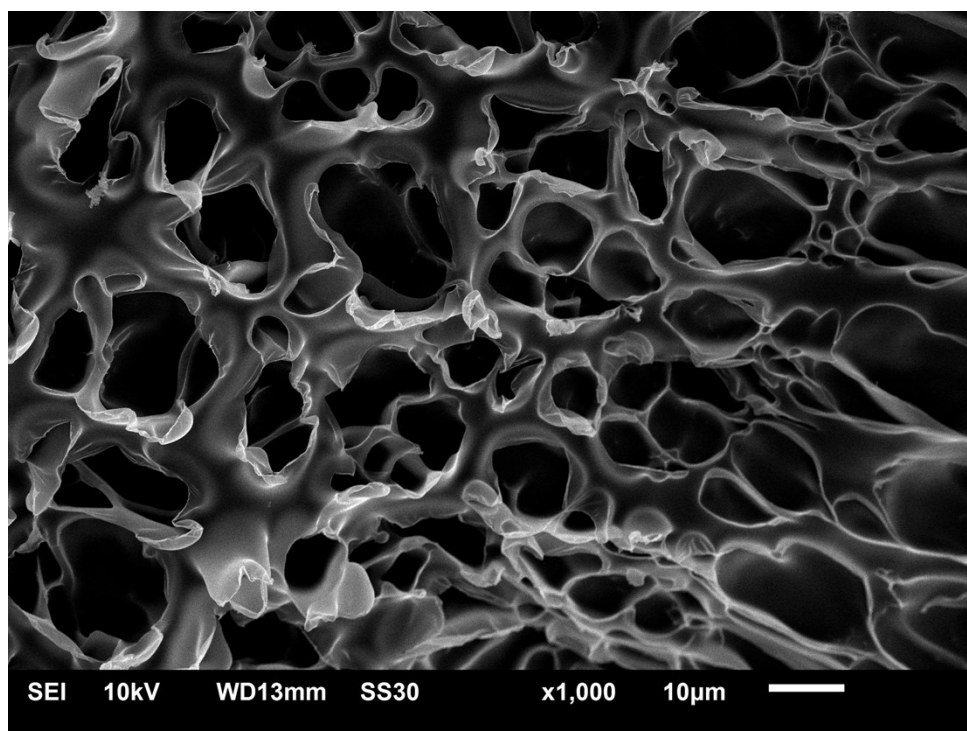


Fig. S2 SEM image of PNIPAm hydrogel.

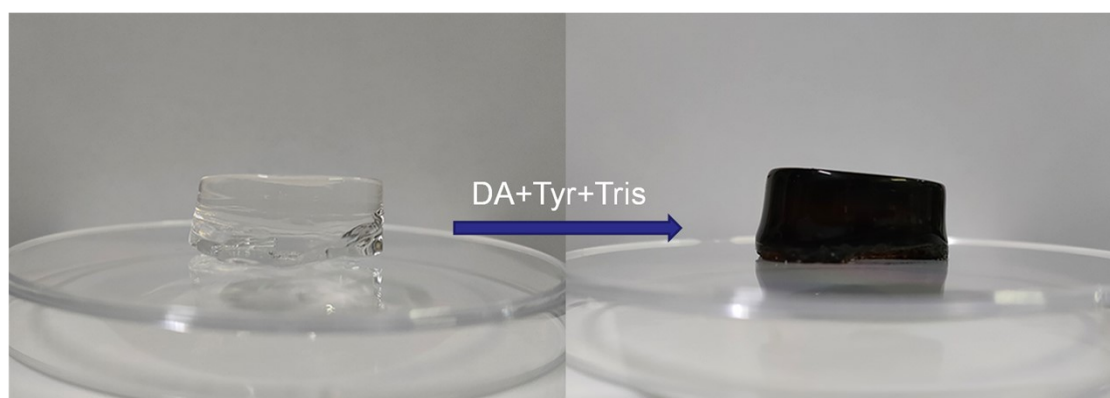


Fig. S3 Change of gel color (form transparent to black)

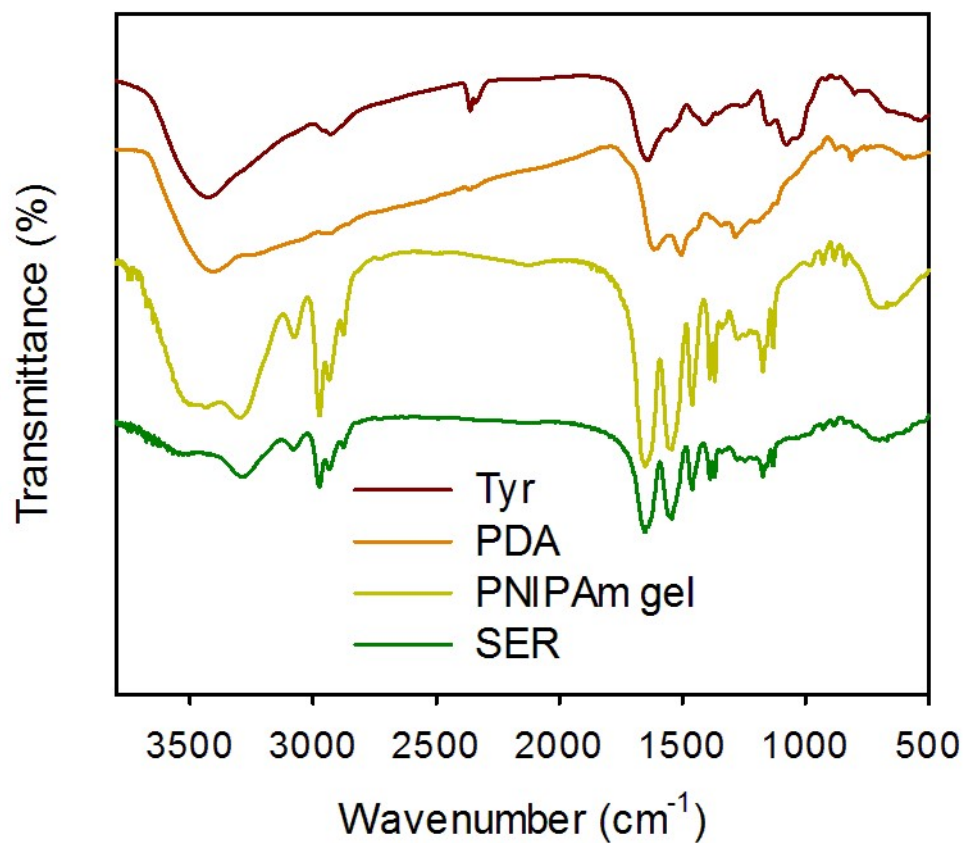


Fig. S4 Fourier transform infrared spectrum of Tyr, PDA PNIPAm gel and SER.

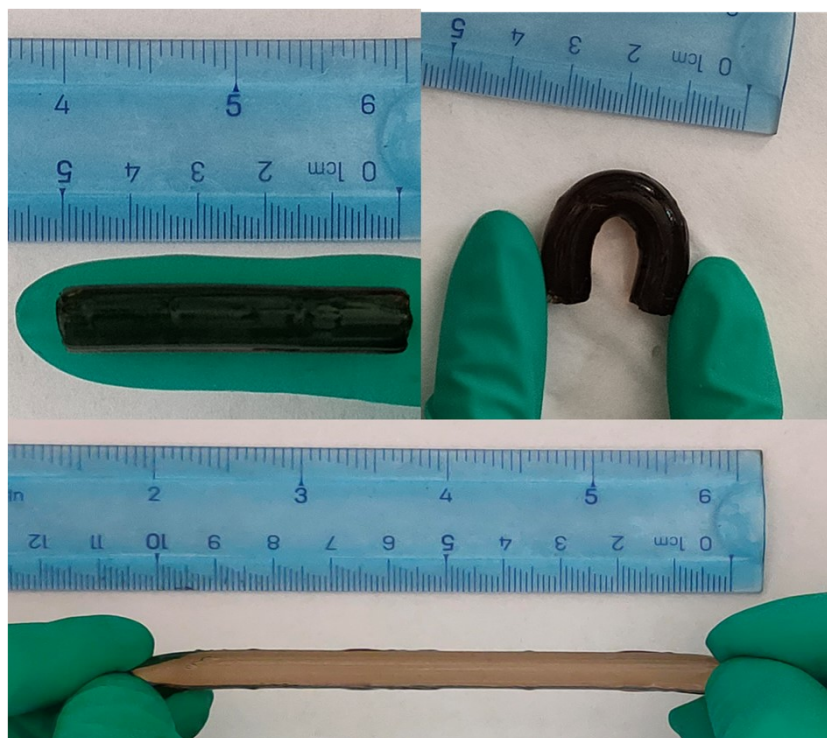


Fig. S5 Optical images of bended and stretched SER.

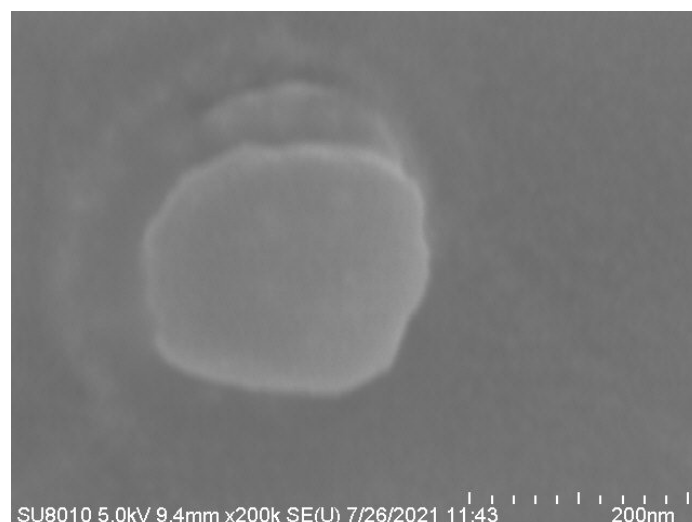


Fig. S6 SEM image of PDA-Tyr complexes.

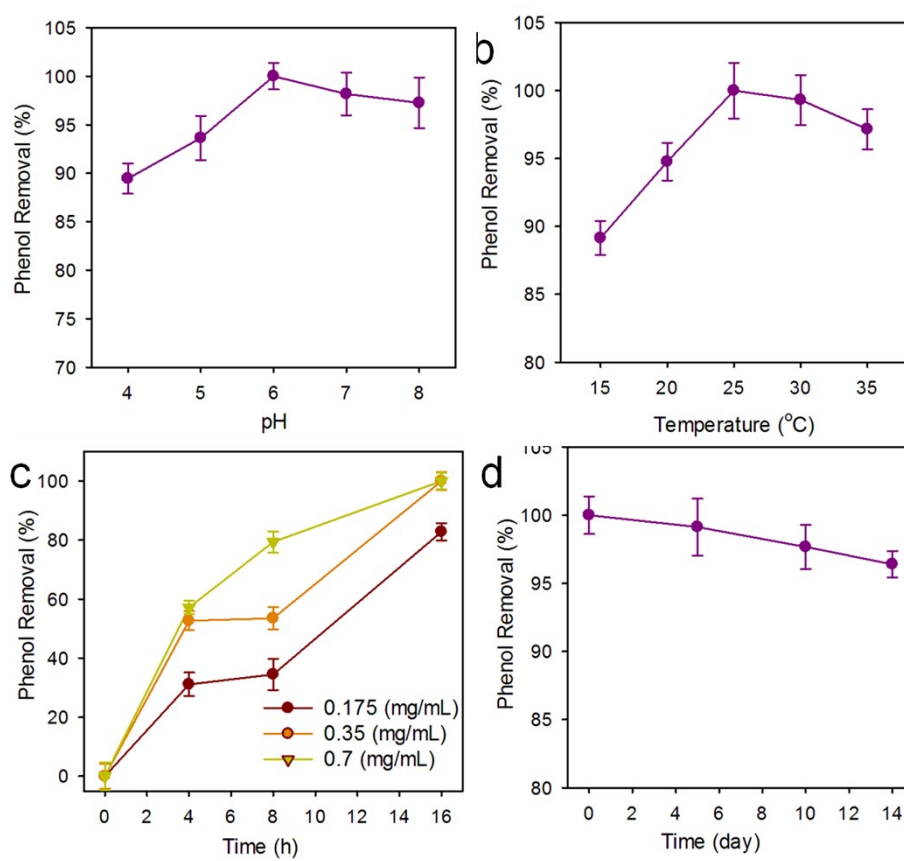


Fig. S7 Effects of different pH values (a), temperatures (b), Tyr dosage (c) and storage time (d) on phenol removal efficiency of SER.

