

## Accepted Manuscript

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PII: S0169-4332(17)31427-7  
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2017.05.114>  
Reference: APSUSC 36049

To appear in: *APSUSC*

Received date: 31-3-2017  
Revised date: 10-5-2017  
Accepted date: 13-5-2017

Please cite this article as: Jian Li, Zhihong Zhao, Dianming Li, Xiaohua Tang, Hua Feng, Wei Qi, Qiong Wang, Multifunctional walnut shell layer used for oil/water mixtures separation and dyes adsorption, Applied Surface Science <http://dx.doi.org/10.1016/j.apsusc.2017.05.114>

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# Multifunctional walnut shell layer used for oil/water mixtures separation and dyes adsorption

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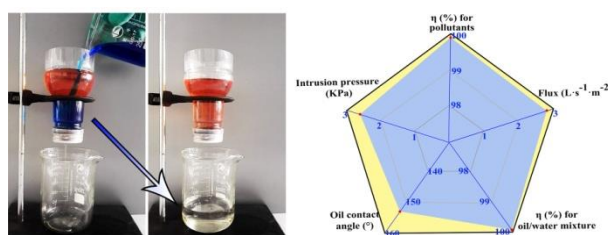
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## Graphical Abstract



Multifunctional water remediation was achieved by WSPs layer, including separating oil/water mixtures and adsorbing organic dyes.

## Highlights

- An extremely simple accumulated method was used to treat multiform pollutant.
- The WSPs showed excellent separation capacity and high flux for oil/water mixture.
- The WSPs displayed outstanding capacity of dynamic adsorption for organic dyes.

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