Accepted Manuscript

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PII: S0304-3894(18)30401-1
DOI: https://doi.org/10.1016/j.jhazmat.2018.05.045
Reference: HAZMAT 19412

To appear in: *Journal of Hazardous Materials*

Received date: 21-2-2018
Revised date: 16-5-2018
Accepted date: 22-5-2018

Please cite this article as: Esmaeili N, Salimi A, Zohuriaan-Mehr MJ, Vafayan M, Meyer W, Bio-based thermosetting epoxy foam: Tannic acid valorization toward dye-decontaminating and thermo-protecting applications, *Journal of Hazardous Materials* (2018), https://doi.org/10.1016/j.jhazmat.2018.05.045

Bio-based thermosetting epoxy foam: Tannic acid valorization toward dye-decontaminating and thermo-protecting applications

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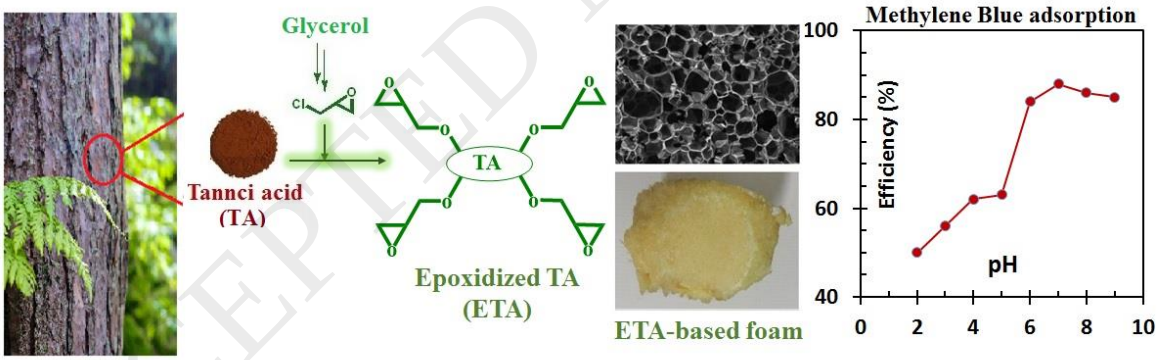
Graphical abstract



Highlights

- A bio-based epoxy thermosetting foam was synthesized from tannic acid.
- Bio-based foam owns high char yield and low thermal conductivity.
- Bio-based foam owns high adsorption capacity of methylene blue.