



Retraction Note: Recent advances and future perspectives of lignin biopolymers

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Correction to: Journal of Polymer Research (2022) 29:222
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The Editor-in-Chief has retracted this article because, after the publication of this review article concerns were raised about the mismatch between text and cited references [2–4, 182]. Further investigation by the Publisher found some sections in the article lack proper citations, incorrect references [56, 62] and invalid statements in the Declaration section. Due to the presence of irrelevant references in this review article, the Editor-in-Chief no longer has confidence in the conclusions presented in the article.

None of the authors have responded to any correspondence from the editor/publisher about this retraction.

References

- Zhen X et al (2021) Facile synthesis of lignin-based epoxy resins with excellent thermal-mechanical performance 182:276–285
- Vainio U et al (2004) Morphology of dry lignins and size and shape of dissolved kraft lignin particles by X-ray scattering 20(22):9736–9744

4. Norgren M, Edlund H (2001) Stabilisation of kraft lignin solutions by surfactant additions 194(1–3):239–248

56. Teles CA et al (2021) Hydrodeoxygenation of Lignin-Derived Compound Mixtures on Pd-Supported on Various Oxides

62. Haider MK et al (2021) Lignin-mediated in-situ synthesis of CuO nanoparticles on cellulose nanofibers: A potential wound dressing material 173:315–326

182. Lu J et al (2022) Application of lignin in preparation of slow-release fertilizer: Current status and future perspectives 176:114267

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