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Fe₂O₃ yolk-shell particle-based laccase biosensor for efficient detection of 2,6-dimethoxyphenol

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Highlights

- Fe₂O₃ yolk-shell particles were used to prepare laccase biosensors.
- Particle composition and morphology exhibited significant variation in biosensing.
- Fe₂O₃ yolk-shell biosensor showed a high selectivity towards 2,6-dimethoxyphenol.
- A broad linear range of detection with the lowest limit of detection (0.01 μM) was observed.

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