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## A Novel Enzyme Based Biosensor for Catechol Detection in Water Samples Using Artificial Neural Network

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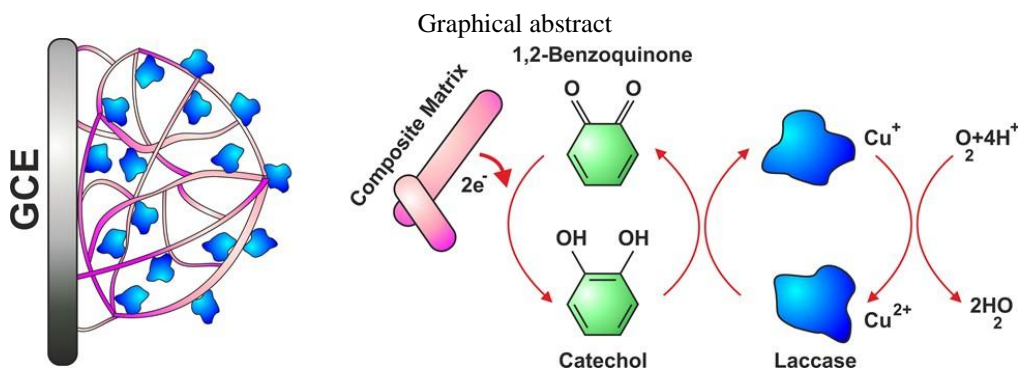
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### Highlights

- A novel and ultrasensitive electrochemical biosensor was developed.
- Simple, one-pot process was used to entrap enzymes efficiently.
- Laccase biosensor was used to detect catechol in real water samples.
- The biosensor exhibited a wide linear range and low detection limit.
- The Laccase biosensor/ ANN integrated system was modeled.

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