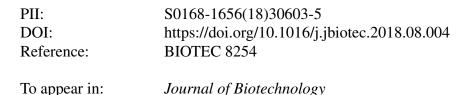
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ACCEPTED MANUSCRIPT

Extracellular Biosynthesis of Biocompatible Cadmium sulfide

Quantum Dots Using *Trametes Versicolor*

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Highlights

- Biosynthesis of cadmium sulfide quantum dots with white rot fungus taking account of the adsorption property of this fungus.
- Nanoparticles are well dispersed, sphere-shaped and protein capped.
- The biocompatibility of the CdS nanoparticles show great potential in biological use.
- To the best of our knowledge this is the first report showing the biological synthesis of CdS nanoparticles with *Trametes versicolor*.

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