**Supplementary Materials**

**Decolorization and Detoxification of Triphenylmethane Dyes by isolated endophytic fungus, *Bjerkandera adusta* SWUSI4** **under non-nutritive conditions**

**Tiancong Gao 1, ,** **Dan Qin** **1, , Shihao Zuo1, , Yajun Peng1, , Jieru Xu1, , Baohong Yu1, , Hongchuan Song 2 & Jinyan Dong 1, \***

1 Chongqing Key Laboratory of Plant Resource Conservation and Germplasm Innovation, School of Life Sciences, Southwest University, Chongqing 400715, People's Republic of China   
2 School of Energy and Environment Science, Solar Energy Research Institute, Yunnan Normal University, Kunming 650092, People's Republic of China

Supporting Materials List:

**Tab. S1** Decolourisation of CV, MV, MG and CB on agar plate by the fourteen isolated endophytic fungi after 14 days of cultivation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| Fungal Isolates | | TPM dyes （200mg/L） | | | |
| CV | MV | MG | CB |
| SWUSI 1 | | - | - | - | - |
| SWUSI 2 | | + | + | - | - |
| SWUSI 3 | | - | - | - | + |
| SWUSI 4 | | ++ | ++ | ++ | + |
| SWUSI 5 | | - | - | - | - |
| SWUSI 6 | | + | + | + | + |
| SWUSI 7 | | - | - | - | - |
| SWUSI 8 | | - | + | - | + |
| SWUSI 9 | | + | + | + | + |
| SWUSI10 | | - | - | - | - |
| SWUSI 11 | | - | + | - | + |
| SWUSI12 | | - | - | - | - |
| SWUSI 13 | | + | + | + | ++ |
| SWUSI 14 | | - | - | - | - |

(-): no dye decolourisation; (+): Medium or low dye decolourisation; (++): High dye decolourisation

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**Fig. S1** Morphological characteristics and microscopic morphology of SWUSI4

A. Front view of SWUSI4 grown on PDA media

B. Back view of SWUSI4 grown on PDA media

C. Microscopic structures of SWUSI4

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**Fig. S2** FTIR spectra of biomass of *Bjerkandera adusta* SWUSI4 post-treatment: (b) CV- live and dead cells, (c) MV- live and dead cells, (d) MG- live and dead cells, (e) CB- live and dead cells.