18 September 2020

Dr. Dietmar Schlosser - Publications since 1991

ISI-listed Journals

Carstens, L., Cowan, A., Seiwert, B., and Schlosser, D. (2020) Biotransformation of phthalate plasticizers and bisphenol A by marine-derived, freshwater, and terrestrial fungi. *Front. Microbiol.* 11, 317.

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Jahangiri, E., Thomas, I., Schulze, A., Seiwert, B., Cabana, H., and Schlosser, D. (2018) Characterisation of electron beam irradiation-immobilised laccase for application in wastewater treatment. *Sci. Total Environ.* 624, 309-322.

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Hofmann, U., and Schlosser, D. (2016) Biochemical and physicochemical processes contributing to the removal of endocrine-disrupting chemicals and pharmaceuticals by the aquatic ascomycete *Phoma* sp. UHH 5-1-03. *Appl. Microbiol. Biotechnol.* 100, 2381-2399.

Krueger, M.C., Harms, H., and Schlosser, D. (2015) Prospects for microbiological solutions to environmental pollution with plastics. *Appl. Microbiol. Biotechnol.* 99, 8857-8874.

Krueger, M.C., Hofmann, U., Moeder, M., and Schlosser, D. (2015) Potential of wood-rotting fungi to attack polystyrene sulfonate and its depolymerisation by *Gloeophyllum trabeum* via hydroquinone-driven Fenton chemistry. *PLoS One* 10, e0131773.

Otto, B., Beuchel, C., Liers, C., Reisser, W., Harms, H., and Schlosser, D. (2015) Laccase-like enzyme activities from chlorophycean green algae with potential for bioconversion of phenolic pollutants. *FEMS Microbiol. Lett.* 362, fnv072.

Pradhan, A., Seena, S., Schlosser, D., Gerth, K., Helm, S., Dobritzsch, M., Krauss, G.-J., Dobritzsch, D., Pascoal, C., Cássio, F. (2015) Fungi from metal-polluted streams may have high ability to cope with the oxidative stress induced by copper oxide nanoparticles. *Environ. Toxicol. Chem.* 34, 923-930.

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Pradhan, A., Seena, S., Dobritzsch, D., Helm, S., Gerth, K., Dobritzsch, M., Krauss, G.J., Schlosser, D., Pascoal, C., Cássio, F. (2014) Physiological responses to nanoCuO in fungi from non-polluted and metal-polluted streams. *Sci. Total Environ.* 466-467, 556-63.

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