PROFORMA

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International patents

1. Catalytic oxidation process for efficient pretreatment of various biomass for biofuels production Japan (March 2009)
2. Microwave irradiation device and method of manufacturing glycocomponent from plant materials WO/2010/013696 PCT/ JP2009/063398
3. Process for production of high yield of biobutanol, WO/2009/087680 PCT/IN2008/000864

Recent Publications

1. **Verma P.,** Mai, C., **2009, (In Press)** Hydrolysis of cellulose and wood powder treated with DMDHEU by a hydrolase enzyme complex, Fenton's reagent and in a liquid culture of *Trametes versicolor* **Holzforchung, Publishers: Walter de Gruyter**

2. Mai, C., **Verma P.,** Xie Y., Dyckmans, J., Militz, H. **(2009, In Press),** Mode of action of DMDHEU treatment against wood decay by white and brown rot fungi European Wood Modifications Conference (ECWM) Stockholm, Sweden **Publisher: Wood Material Science & Engineering**

3. **Verma P.,** Mai, C., Militz, H. **(2009)** Protection mechanisms of DMDHEU treated wood against white and brown rot fungi **Holzforchung, Vol. 63, pp. 371-378 Publisher: Walter de Gruyter**

4. **Verma P.,** Mai, C., Dyckmans, J., Militz, H. **(2008)** Determination of fungal activity in modified wood by means of micro-calorimetry and determination of total esterase activity, **Applied Microbiology & Biotechnology, 80, 125-133 Publisher: Springer**

5. **Verma P.,** Mai, C. Krause, A., Militz, H. **(2005)** Studies on the Resistance of DMDHEU treated Wood against White-rot and Brown-rot fungi **IRG/WP document 05-10566, Publishers: Swedish Society**
6. **Verma P.,** Madamwar, D., **(2005)** Decolorization of Azo Dyes Using Basidiomycetes strain. PV 02 **World Journal of Microbiology and Biotechnology, Vol.21, No.4, 481-485, Publisher: Springer**

7. **Verma P.,** Gabriel, J., Baldrian, P., Stopka, P., Nerud, F., **(2004)** Decolorization of Synthetic Dyes by Copper II complex, **Chemosphere, Volume 57, Issue 9, 1207-1211, Publisher: Elsevier**

8. **Verma P.,** Shah V., Gabriel, J., Baldrian, P., Stopka, P., Nerud, F., **(2004)** Decolorization of Synthetic Dyes by Glucaric acid copper complex, **Chemosphere, Vol. 54, 291-295, Publisher: Elsevier**

9. Gabriel J., Baldrian P., **Verma P.,** Tomáš Cajthaml Trnka T., Stopka P., Nerud, F., **(2004)** The use of radicals-generating reactions for the PAHs degradation **Applied Catalysis B Environmental Issue, 3, Volume 51, 159-164, Publishers: Elsevier**