Dear Sir,

The manuscript entitled “**Laccase from *Trametes versicolor* immobilization on LifetechTM supports for application in degradation of industrial dyes**” contains our original, previously unpublished results and it is not submitted for publication to another journal.

The main focus of this research was investigation of prospects for the immobilization of laccase from *Trametes versicolor* on eight Lifetech™supports, with different characteristics such as pore size, length of spacer arm and functional groups. The most important factors affecting immobilization process (initial protein concentration, immobilization time and pH) were examined. Out of six amino-functionalized supports investigated, it has been proven that support with primary amino groups, C2 spacer arm and pore size of (60-120) nm has best prospects to be used as support for immobilization of lacasse by adsorption. The best support, regarding the laccase immobilization *via* combination of both hydrophobic interactions and covalent enzyme-carrier bonding, was porous epoxy/butyl-functionalized support. With respect to all determined features of developed immobilized preparations in this study, the laccase immobilized on epoxy/bytil-functionalized support was chosen to be applied in decolorization of dyes Lanaset® Violet B, Lanaset® Blue 2R, bromothymol blue and bromocresol green, which resulted in bleaching, by adsorption to the carrier and enzyme degradation, very rapidly. Additionally, operational stability of immobilized preparation was successfully confirmed with seven consecutive reuses in all examined reaction systems.

To the best of our knowledge, this is the first extensive study of possible laccase immobilization onto Lifetech™supports, and our intention was to design and develop the immobilized laccase preparation which have prospects to be used in wastewater treatment.

In our opinion, these findings are important contribution in fields of enzyme immobilization, biodegradation of industrial dyes and environmental bioremediation. Therefore, the authors hope that submitted manuscript meets the requirements and the criteria for publishing in “Hemijska industrija (Chemical Industry)”.

Best regards,

Dr. Katarina Banjanac

Associate Researcher

Department of Biochemical Engineering and Biotechnology

Innovation centre of Faculty of Technology and Metallurgy

University of Belgrade

Karnegijeva 4

11000 Belgrade

Serbia

E-mail: kbanjanac@tmf.bg.ac.rs