Belgrade, 20.07.2016.

Dear Editor,

We are submitting our manuscript entitled

“Immobilized cell wall invertase in polyacrylamide hydrogel for invert sugar production”

to be considered as Original scientific paper in The Journal of the Serbian Chemical Society.

The aim of this work was to development a new biocatalyst is to obtain improved enzyme for invert sugar production. The monomer and enzyme concentration in the immobilizate were optimized. Obtained biocatalyst was completely characterized and compared to free enzyme. The obtained biocatalyst has high invertase activity, 48% higher than the best our previously published immobilized CWI in gelatin hydrogel. The high stability at low pH values proof that the goal is reached, because the possibility of microbe contamination of sugar at low pH and high sugar molarity is considerably less than at pH value usually used for invert sugar production by enzyme. Significantly better thermal stability of immobilized than free enzyme shown for CWI – PAA qualifies it for potential industrial use.

We are also submitting the list of potential referees:

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Thank you very much for your attention to this manuscript. We look forward to hearing from you.

Sincerely,

Aleksandra Margetić

The list of suggested reviewers: