Guarapuava, April 03, 2013.

To

Terezinha Oliveira

Editor in chief

Biological Sciences – *Acta Scientiarum*

Dear Editor:

 I am sending the manuscript **“Production of xylanase by an *Aspergillus* *niger* strain using brewer’s spent grain as substrate”** to be submitted to the **Biological Sciences *– Acta Scientiarum***. All the authors agree to submit it to this journal, and they also accord to transfer the copyright to the publisher. Besides, I would like to inform that the present work has not been published, submitted or being submitted to another journal and was prepared according to the instructions for authors.

 This manuscript presents a significant contribution due to report the production and, for the first time, the characterization of xylanases using brewer’s spent grain as substrate. The *P. glabrum* xylanase was stable at 50 ° and over a wide pH range. The optimal conditions for its activity were 50 °C and pH 5.0. These results indicate possible employment of such enzymes in some industrial processes, such as animal feed and food industries. Additionally, the use of brewer’s spent grain, an abundantly available and low-cost residue, as substrate for xylanase production can not only be a sustainable and environmentally friendly technology, which can add value and decrease the amount of this waste, but can also substantially reduce xylanase production cost.

 Looking forward to hearing from you.

 With kind regards,

 Ph.D. Adriana Knob