

## Supervisor's Report

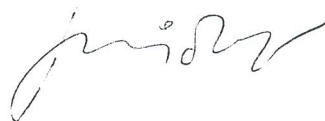
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Ing. Bijay Gurung comes from Nepal. He was born in 1985 in Kaski, Nepal. He received his 3 years diploma in Electronics Engineering in 2004 from Tribhuvan University, Institute of Engineering, Western Region Campus, Pokhara in Nepal. He then received his M.Sc. degree (Ing.) from the Czech University of Life Sciences Prague, Faculty of Engineering in 2011, working in the field of Technology and Environmental Engineering. In his diploma thesis, he dealt with by-products and processing of sugar beet industry. In 2011, he began working as a Ph.D. student at the University of Pardubice (Czech Republic), Faculty of Chemical Technology, Institute of Chemistry and Technology of Macromolecular Materials under the supervision of Professor F. Potůček in the field of lignocellulosic materials.

Ing. Gurung dealt with the potential application of rapeseed straw in pulp and paper industry. The first part of his work was devoted to batch soda pulping of rapeseed straw without and with addition of anthraquinone in the cooking liquor whereas, in the second part, three cold pulping processes, namely neutral sulphite, alkaline sulphite and caustic soda, were conducted to prepare chemi-mechanical pulp.

In my opinion, Ing. Bijay Gurung has proved to be capable of solving time-consuming research problems. His doctoral thesis presents new results in the field of lignocellulosic materials research. The results obtained have been published in scientific international conferences and accepted for publication by one international journal and two national journals. I suppose that his PhD. thesis fulfils all important criteria desired for doctoral thesis. Therefore, I recommend the thesis submitted by Ing. Bijay Gurung for public defence.

Pardubice, June 3, 2015



prof. Ing. František Potůček, CSc.  
supervisor