

Ph.D. Thesis Tutors Opinion

This opinion is written as requested by the vice-dean's office for research of Faculty of Technology, Tomas Bata University in Zlin as a part of the defense process of the Ph.D. thesis entitled „Planar articles for technical, biomedical and therapeutical applications“ submitted by Ing. Karin Novotná, born Otřisalová in the field of „P 2808 Chemistry and Materials Technology“.

Mrs. Novotná was an excellent student as well as an excellent team member during her Ph.D. studies. Her current scientific research has been a logical continuation of her MSc. thesis she performed during her previous MSc. studies at the Tomas Bata University in Zlin. Results of this part of her research were summarized and discussed in context of the active research performed during her Ph.D. studies on selected cellulose derivatives applications for wound healing dressings presented in the last chapter of the Ph.D. thesis submitted. First two chapters dealt with the results obtained during her studies of controlled drug delivery systems by means of complex inorganic/organic planar articles. She was involved in several industrial research projects of the Institute of Physics and Materials Engineering as well as participated in research grants financed by Ministry of Education, Youth and Physical Training of Czech Republic and EC (Erasmus). During her study she has spent 3 months stay as a visiting researcher within Erasmus scheme at the Department of Chemistry, University of Aveiro, Portugal. She has attended specialized training program in FTIR analysis at VSCHT Prague in 2006. She is co-author of 7 original scientific conference papers published in conference proceedings. Her scientific work was independent and precisely performed in all aspects.

Based on the above mentioned facts, it is my pleasure to support the submission of her Ph.D. thesis for defense.

In Zlin, May 25, 2011

prof. Ing. Lubomír Lapčík, Ph.D.

professor of Materials Science and Engineering