

The PhD student's Supervisor's opinion of PhD thesis

Ms. Rushita Jaswant Shah, M.Sc., born on 19/08/1988, Indian, worked under my supervision as a full time PhD student of Polymer Centre, Faculty of Technology. She completed her graduation (B.Sc in Biotechnology) and post-graduation (M.Sc. in Nanoscience and Technology) in India, from Sardar Patel University and Charotar University of Science and Technology respectively. Further, to upgrade her educational qualification as well as to get exposure of higher educational systems in abroad, she joined at Tomas Bata University in Zlin (TBU), Czech Republic. During her study stay, she respected all the formalities and availed the facilities offered by TBU for international (Doctoral) students.

The thesis submitted by Rushita for the execution of her PhD defence, has been prepared based on the laboratory scale experimental results and published articles (published in international journals/peer reviewed international proceedings/book chapter). Here, I would like to mention that the thesis is well written with simple and understandable English, following the PhD thesis preparation instructions provided by Faculty of Technology, Tomas Bata University in Zlin, Czech Republic. The PhD thesis is entitled as:

“Biomaterialized and Stimuli Responsive Hydrogel for Biomedical Applications”

She joined in doctoral study program in September 2012 and successfully completed her State Ph.D Examination on 22/4/2015. Further, to complete the formalities of doctoral study, she will appear for the defence of the Ph.D thesis on 16/12/2015.

September 2012 – till today, during this period Rushita worked hard, sincerely investigated the experiments and tried to analyse the observed data logically. In this thesis, she reported a systematic literature survey and state of art about the topics: *fabrication of biomaterials, hydrogel scaffolds, biomimetic biomineralization, importance of calcite filled biomaterial etc.* as well as *applications of biomaterialized biomaterials*. She had shown keen interest to understand the subject and worked hard through out. During this journey of doctoral study, as a researcher point of view, she has developed the skill to plan and carry out the experiment solely and able to write manuscript, scientific report etc.

*I am happy to forward the PhD Thesis prepared by Ms. Rushita Jaswant Shah for its scientific evaluation by Examination Board and recommending for the **award of PhD degree** by Tomas Bata University in Zlin, Czech Republic.*

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