

Supervisor report

České Budějovice, 30.8. 2017

Valentyna Kuznetsova joined our group as a Ph.D. student in the autumn 2013 and shortly became an integral part of our team. She quickly became accustomed to the laser set-up and in a few weeks she could perform experiments by herself. She proved this after the set-up has been moved from Nové Hradky to České Budějovice in January 2014 when she actively suggested improvements and implemented them during the re-assembly of the set-up.

The majority of her studies and research was directed towards spectroscopic properties of carotenoids and their role in light harvesting and photoprotection. Particularly, she became intimately acquainted with fucoxanthin, which she had the opportunity to study in associated laboratories by various techniques including time-resolved anisotropy (at Lund University), femtosecond stimulated Raman scattering (Free University Amsterdam), etc. During the three-year period for which the laser system was available for research, Valentyna obtained results which have been published in four articles.

Both scientifically and socially, Valentyna has been an integral member of the group and has been entirely devoted to science. It was a pleasure to work with her and it is also a pleasure to recommend her thesis for defense as it fulfills all necessary requirements for awarding a Ph.D.

RNDr. Marcel Fuciman, Ph.D.
Department of Physics and Biophysics
Faculty of Science
University of South Bohemia

