



Scientific note

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Scientific Report on The 1st Young Scientist Day – PhD Conference

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The scientific conference The 1st Young Scientist Day – PhD Conference was held on 14th June 2018 in Osijek at Aula of Josip Juraj Strossmayer University of Osijek. Scientific lectures were held by the PhD students and postdoc fellows from Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek, Faculty of Agriculture Osijek, Faculty of Medicine Osijek, Department of Chemistry and Department of Biology.

The main idea was the presentation of experimental results between young scientists, PhD students and postdoc fellows of the Josip Juraj Strossmayer University of Osijek, with the aim of promoting new ideas and knowledge, sharing experiences, as well as acquiring competencies in the multidisciplinary fields of science, and with the purpose of future collaboration establishing. The 24 lectures were organised into four sections according to the topics. Agricultural science topics were presented in Section I. Biotechnical science topics were included in Section II, topics that belong to biological science were presented in Section III, while topics from chemistry were aligned as Section IV.

Section I was focused on agricultural sciences and topics emphasising the sustainable and effective agricultural production by usage of new technologies, which is oriented at minimization of global climate changes effect and product quality maximisation. Seven lectures were presented in Section I. Four lectures were included in **Section II**, with emphasis on green technologies from biotechnical sciences. The topics were focused on the processes that are oriented on modified biomass, biotransformation and green extraction techniques, as well as on the profiles of extracted products estimation by chromatographic techniques. **Section III** included five topics from the biological science field. The up-to-date laboratory work on model systems such as wheat seedlings and duckweed, investigation of real systems such as Kopački rit Nature Park and the Danube Floodplain Lake, and application of matrix population models in biology were presented. Presenters in **Section IV** have shown interest in researching new materials, sensors and new chemical compounds, their synthesis and activity.

The abstracts arranged into above-mentioned sections were published in official congress publication The 1st Young Scientist Day – PhD Conference Book of abstracts (ISBN 978-953-7005-53-5) published by the Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek in a free download [electronic form at Congress web page <https://istrazivaci-os.com.hr/>](#), while the CIP record is available in the computer catalogue of the City and University Library Osijek under number 140901075.

Given the number of participants and activities that took place on The 1st Young Scientist Day – PhD Conference, it is evident that the conference was successful. It is expected that this kind of socializing will continue. The 2nd Young Scientist Day – PhD Conference is foreseen for 2019.

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