



Dr Ivana Sredović Ignjatović is Associate Professor at University of Belgrad - Faculty of Agriculture. Currently, dr Ivana Sredović Ignjatović is active in teaching and research activities, working with several scientific groups on various topics such as utilization of ultrasound assisted processes for food analysis and processing, optimization and characterisation of food functional products, monitoring of phenolic mass transfer to wine in winemaking processes, distribution of macro and micronutrients in dairy products. Also, Dr Ivana Sredović Ignjatović has experience in development and application of electroanalytical, spectrometric and chromatographic methods for analysis of metals and non-metals in solid samples, samples from the environment and water. Dr Ivana Sredović Ignjatović published over 70 scientific papers. She has been participant in 4 national projects. In the last several years, the scientific research is focused on development, validation and application of liquid chromatographic methods for food analysis, monitoring of cations, anions, vitamins, phenolic compounds and organic acids in different stages of food production. Hers research activities, rely on use of statistical approach by applying experimental design (fractionated factorial design, response surface methodology, principal components analysis).

Lecture: Design of experiments: concepts, applications and examples in the food industry