

Curriculum Vitae

Vesna RAKIĆ

Professor at University of Belgrade, Serbia.

Description of the activities:

Teaching in the field of Physical Chemistry. Courses: Physical Chemistry (undergraduate level); Instrumental Methods of Analysis (PhD level); Chemistry and Analysis of Food; Chemical Methods of Food analysis, Spectroscopic methods in Food Analysis; Thermodynamic methods in Food Analysis (master level). The work with MS and PhD students at Faculty of Agriculture and Faculty of Physical Chemistry, University of Belgrade, Serbia; and at Institut de Recherches sur la Catalyse et l'Environnement de Lyon (IRCELYON - CNRS/Université Lyon 1) France, in the field of catalysis and physical chemistry of materials. Teaching at thematic school: "Calorimetry and Thermal methods in analysis in catalysis" in the organization of CNRS, Lyon.

Scientific work in the field of characterization of different heterogeneous catalysts (zeolites, polyoxometalates, perovskites, oxides) including the investigation of their structure, structure modification and phase transformations. The investigation of adsorption properties of the mentioned classes of solid materials. The identification of nature and the characterization of active centers of solid catalysts, by the use of adsorption, spectroscopic and thermal methods. The investigation of atmospheric or waters pollutants removal using solid adsorbents and catalysts. Investigation of biomass transformations.

Work in the domain of chemical analysis of food and food components characterization using spectroscopic and thermal techniques.

Participation and leadership in national and international scientific projects.

Publications: 2 chapters in international monographs, 48 papers in international journals, 15 papers reviewed and published in Proceedings of International conferences, 80 contributions at International conferences, published as abstracts, 12 contributions at National conferences, published as abstracts.