

Associate Professor Zhana Petkova



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Biography:

Assoc. Prof. Zhana Petkova graduated with Bachelor's and Master's degrees in "Technology of vegetable oils, essential oils, perfumes and cosmetics" from University of Food Technology, Plovdiv, Bulgaria. She started her PhD in 2012 in the department of Chemical Technology, University of Plovdiv "Paisii Hilendarski". After gaining her PhD in 2015, she was hired as an assistant professor at the same department.

Thesis: Investigation on Composition of Biologically Active Components in Seeds of Fruits from Fam. Cucurbitaceae and Their Potential Application in Food and Cosmetic Products, 2015

Main research topics:

Zhana Petkova works in the field of food and lipid chemistry. Her studies are focused on analyzing of chemical and lipid composition of oils and fats - their composition (fatty acids, tocopherols, sterols, phospholipids, carotenoids and chlorophyll), physicochemical characteristics of fats and oils (peroxide, acid, saponification and iodine values, relative density and refractive index), as well as determination of the oxidative stability of the oils and possibilities of their stabilization with different natural antioxidants.

Main courses:

Lectures:

Food Additives

Chemistry and Technology of Aromatic Products

Functional Foods

Laboratory courses:

Chemistry of Polymers

Technology of Pharmaceuticals

Materials for Medicine