



Elżbieta Sikora

Academic degrees : PhD DSc

Position : Prof of CUT

Engineering - technical field

Discipline Chemical engineering

Academic qualifications:

Head of the Department of Organic Chemistry and Technology, CUT Senator in the 2020-2024 and 2024-2028 terms, Member of the Disciplinary Committee for Academic Teachers in the 2020-2024 term, Member of the Doctoral Committee "Chemical Technology", Member of the Scientific Council of WliTCh, head of the Chemistry and Cosmetics Technology specialization in the field of Chemical Technology, lider of a research group "Chemistry and Cosmetics Technology"

Membership in professional and academic boards :

Member of PTCh, PTCK, IFSCC and ECIS

Academic merits :

It includes the authorship and co-authorship of 156 publications in scientific and trade journals, as well as two scientific monographs: "Cosmetic emulsions" (2019) and "Selected Skin Delivery Systems" (2020) published by the PK Publishing House. Co-author of two didactic textbooks: "Chemistry and technology of cosmetics" (2012) and "Laboratory of cosmetics chemistry and technology" (2013). There are also 24 patents and 10 patent applications concerning innovative raw materials and formulations of cosmetic products. The results of the conducted research were the subject of presentations, in the form of oral or poster reports, at national and international scientific and industry conferences. An important aspect of scientific activity is combining the subject of the research undertaken with the possibility of their application in industry. The effect of cooperation with companies from the cosmetics industry is the implementation of commissioned works, including the implementation of inventions, the development of innovative formulations, analysis of the physicochemical properties of products and consulting services.

Professional qualifications/language skills

English

Research field :

My current research interests are in fine chemicals technology, include preparation and study of properties and an application of natural raw materials in cosmetics, pharmaceutical and household products. The carried out researches include, among others study of the phenomena occurring at the interface and preparation and characterisation of multiphase systems (emulsions, microemulsions, nanoemulsions, liquid crystal systems, lipid nanoparticles, polymer microcapsules, liposomes and gels) as effective skin delivery systems of the active ingredients.

Address

Cracow University of Technology,
Faculty of Chemical Engineering and Technology
Address:
31-155 Krakow
phone . +48 12 6282744
e-mail : elzbieta.sikora@pk.edu.pl

Useful links :