

Aleksandra Lobnik received her PhD in 1998 at the Institute of Organic Analytical Chemistry of Graz University, Austria. Since 2009 she has been employed as a full professor at the Faculty of Mechanical Engineering at the University of Maribor, where she teaches chemistry, analytical chemistry, and nanomaterials courses. In 2006 she co-founded company IOS Ltd, where she is also partially employed. The focus of Aleksandra Lobnik research is the development of new optical chemical and bio-sensors for different applications. The emphasis is on the synthesis of new materials, nanomaterials, biomaterials, and sol-gels, in the spirit of circular economy. Prof. Lobnik is also active in promotion of the science; she is regularly invited to various committees and gives a wide range of interviews and public lectures on the topic of nano-sciences and knowledge transfer into real applications. Bibliography includes 56 scientific papers, more than 30 invited lectures; 10 chapters in monographs; 15 patents (EU, USA, Russian, and Slovenian) and 10 EU patent applications. As project manager she participated in more than 40 national and international research projects. Recently she is a Technical Manager of EU Horizont 2020 project "RESYNTEX" - A new circular economy concept for textiles and chemicals.