



Short BIO:

Jadwiga Handzlik is full professor of medicinal chemistry and Head of Chair of Chemical Technology and Biotechnology of Drugs, Jagiellonian University, Medical College in Krakow (Poland). Her scientific expertise concerns design and synthesis of GPCRs and MDR agents, with experience in pharmacological screening. Recently, her main interest is focused on ligands for serotonin receptors (5-HTRs) against neurodegenerative diseases. With her group, she identified the first-in-class highly potent Se-containing agents for 5-HT₆R and multitargeting 5-HT_{1A}/D₂/σ₁R among 1,3,5-triazine and arylpiperazine derivatives, respectively. Thanks to comprehensive screening within her widespread internal and international collaborations, those 5-HT₆R Se-antagonists turned out a hope for innovative therapies of Alzheimer's disease.