

BIOGRAPHY:

Anita Bosak, PhD, is chemist graduated at the University of Zagreb, Faculty of Science and works at the Institute for Medical Research and Occupational Health, Zagreb, Croatia as a senior research associate. Her expertise is enzyme kinetics of cholinesterases in interaction with various esterifying and reversible inhibitors, selectivity and stereoselectivity of cholinesterase inhibition. Her current research focus is on development of compounds acting as multi-target-directed ligands able to act simultaneously on more specific targets involved pathology of Alzheimer's disease. She participated in nine national (supported by CSF and MZOS) and twelve international projects (supported by MTOS, NIH and NATO), where she was principal investigator of three national and one international project. She mentored several graduate theses and one doctoral thesis. She attended several courses and workshops in the field of biochemistry and analysis of macromolecule-ligand interactions.

She published 34 papers in WoSCC, co-authored in two book chapters and were cited more than 880 times. She is a reviewer of several journals referenced in the WoSCC and served as guest editor of Special Issue of Pharmaceuticals. For her research she has been awarded by *the Croatian Society for Biochemistry and Molecular Biology (Annual Award for Young Scientist in 2006)* and five times by the Institute for Medical Research and Occupational Health (*Annual Awards* in 2009, 2012, 2013, 2017 and 2020). She is member of the Croatian Society for Biochemistry and Molecular Biology, Croatian Toxicology Society and Croatian chemical Society.