

PERSONAL INFORMATION

Name **Mašek Vlastimil**
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WORK EXPERIENCE

Dates (from – to) 2005 – to date
Occupation or position held Junior researcher, post doc
Main activities and responsibilities Interactions of drugs and xenobiotics with biological macromolecules, incl. cytochromes P450; biospectroscopy
Name and address of employer Palacky University at Olomouc, Faculty of Medicine and Dentistry, Department of Pharmacology, Hnevotinska 3, 775 15, Olomouc, Czech Republic
Type of business or sector University

EDUCATION AND TRAINING

Dates (from – to) 2001-2007
Title of qualification awarded Ph.D.
Principal subjects/occupational skills covered Thesis: Characterization of adducts of platinum complexes on DNA duplexes by Raman spectroscopy
Name and type of organization providing education and training Masaryk University Brno, Faculty of Science, Kotlarska 2, 611 37, Brno, Czech Republic

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE Czech
OTHER LANGUAGES English, german

PUBLICATION ACTIVITY

H-INDEX 7
CITATIONS 90

10 SELECTED PUBLICATIONS

1. Vitek, P., et al., *Distribution of scytonemin in endolithic microbial communities from halite crusts in the hyperarid zone of the Atacama Desert, Chile*. *Fems Microbiology Ecology*, 2014. **90**(2): p. 351-366.
2. Halouzka, V., et al., *Electrochemical Pretreatment of Carbon Fiber Microelectrodes Based on Sinusoidal-wave Potential Cycling and its Application to Amperometric Sensing of Bioactive Compounds*. *Current Analytical Chemistry*, 2013. **9**(2): p. 305-311.
3. Siskova, K., et al., *Spacer-free SERRS spectra of unperturbed porphyrin detected at 100 fM concentration in Ag hydrosols prepared by modified Tollens method*. *Journal of Raman Spectroscopy*, 2012. **43**(6): p. 689-691.
4. Berka, K., et al., *Binding of quinidine radically increases the stability and decreases the flexibility of the cytochrome P450 2D6 active site*. *Journal of Inorganic Biochemistry*, 2012. **110**: p. 46-50.
5. Pucek, R., et al., *Re-crystallization of silver nanoparticles in a highly concentrated NaCl environment-a new substrate for surface enhanced IR-visible Raman spectroscopy*. *Crystengcomm*, 2011. **13**(7): p. 2242-2248.
6. Masek, V., et al., *Interaction of N-(2-Hydroxypropyl)methacrylamide Copolymer-Doxorubicin Conjugates with Human Liver Microsomal Cytochromes P450: Comparison with Free Doxorubicin*. *Drug Metabolism and Disposition*, 2011. **39**(9): p. 1704-1710.
7. Masek, V., et al., *Interaction of antitumor platinum complexes with human liver microsomal cytochromes P450*. *Anti-Cancer Drugs*, 2009. **20**(5): p. 305-311.
8. Matal, J., et al., *Interspecies comparison of the glucuronidation processes in the man, monkey, pig, dog and rat*. *Neuroendocrinology Letters*, 2008. **29**(5): p. 738-743.
9. Kopečný, D., et al., *Mechanism-based inhibitors of cytokinin oxidase/dehydrogenase attack FAD cofactor*. *Journal of Molecular Biology*, 2008. **380**(5): p. 886-899.
10. Vrana, O., et al., *Raman spectroscopy of DNA modified by intrastrand cross-links of antitumor cisplatin*. *Journal of Structural Biology*, 2007. **159**(1): p. 1-8.