

## **Jaroslava Pagáčová: Pyrazine derivatives as potential drugs II.**

**Keywords :** tuberculosis, *Mycobacterium tuberculosis*, Directly Observed Treatment Strategy, Multi drug Resistance, pyrazinoic acid, pyrazinamide, isoniazide, rifampicine, streptomycine, ethambutol

**Abstract of Diploma Thesis:** This review is about worldwide problem of tuberculosis and about new trends in its treatment. Also chemical search about drugs and their preparing was done. The synthetic approach, analytical, spectroscopic, lipophilicity and biological data of twelve newly synthesized compounds were presented. Products were characterized and tested against *Mycobacterium tuberculosis* strain H<sub>37</sub>Rv and against eight fungal pathogen strains. Structure-activity relationships among the chemical structure, lipophilicity ( $\log P$ ), and their biological activity of the evaluated compounds were discussed as well.