

Abstract:

Title of diploma thesis: Pyrazine derivatives as potential drugs I.

Review of tuberculosis therapy and modern research were presented in this diploma thesis.

Novel pyrazine derivatives connected via CO-NH-NH- bridge with substituted phenyl derivatives were synthesized. Novel structures were characterized by melting points, TLC, IR,  $^1\text{H}$  and  $^{13}\text{C}$  NMR. This set was put through *in vitro* biological evaluation. Log  $P$  and Clog  $P$  were also calculated and were compared with novel synthesized structures.