

## **Abstract**

Theme of diploma thesis: **Synthesis of Pyrazine Derivates as Potential Antituberculotics I.**

My diploma thesis comprises recherche concerned with contemporary importance of tuberculosis and new treatment approaches in its therapy. We have found out the methods of synthesis of amides of pyrazinecarboxylic acid derivates in chemical literature. Experimental part deal with synthesis of six new amides on the basis of pyrazinecarboxylic acid derivates, till now not published. Newly synthesized compounds have been characterized by melting points, TLC, elemental analysis, IR,  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra. *In vitro* data of eight new compounds are presented. My diplomat thesis brings new antimycobacterial data, antifungal data and log P values are calculated.