Abstract
The paper’s main objective was to compare the efficiency of in vitro and in vivo rooting of lilac microcuttings belonging to the 'Mme. Lemoine', 'Charles Joly' and 'Sensation' cultivars. The results obtained allow the recommendation of in vivo rooting simultaneously with the acclimatization, shortening the rooting time of microcuttings and production cost, which will lead to an improvement of the in vitro micropropagation biotechnology of lilac.

Key words: lilac, in vitro, in vivo, rooting %, acclimatizing %