

ABSTRAKT- EN

The aim of the thesis was targeted towards the assimilation of preparation method of nanoparticulate systems from biodegradable aliphatic polyester carriers. The procedure based on dispersion and homogenisation of carrier solutions in chlorinated hydrocarbons in aqueous phase was proven. Gelatin hydrolysate and blend of lecithine with polylsorbate were used as komplex emulsifiers. The prepared samples were measured from the aspect of their size and zeta potential values. Reverse dialysis as novel púroposed method of nanosuspensions concentration and following spray drying with manitol carrier were tested by IA method.