

Abstract

The effect of endocrine disruptors (ED) on the nervous system represents a key area in the context of environmental influence on human health. This bachelor's thesis summarizes existing findings regarding the impacts of ED on the central nervous system. Specifically, the work focuses on the influence of selected bisphenols, phthalates and parabens on intracellular steroid receptors and membrane ionotropic receptors (mainly NMDA and GABA receptors). Present work integrates findings from *in vitro*, behavioral, and epidemiological studies. The thesis also outlines possible associations between exposure to ED and psychiatric and neurological disorders. The aim of the thesis is to provide a comprehensive overview of the impact of ED on the developing and adult nervous system.

Keywords: endocrine disruptor, bisphenol, paraben, phthalates, NMDA receptor, GABA receptor, behavior