

ENDOCRINE DISRUPTING COMPOUNDS AND ITS BIOLOGICAL ACTIVITY

Summary

Contamination of environment with synthetic chemical compounds, originating from the industrialisation and technological development, connected with widespread use of hazardous substances such as: pesticides, plasticizers, drugs, antimicrobials, and flame retardants effects on human health. These chemicals called endocrine-disrupting compounds (EDCs) can modulate the activity of endocrine sys-

tem and result in developmental and reproductive abnormalities. So, there is a need of monitoring and limitation of such dangerous chemicals in food and water. In our review paper the characterization of selected EDCs is presented. Current methods of EDCs detection and potential impact of these compounds on reproductive system development and metabolism are also described.