

**O 105. ASSESSMENT OF PESTICIDES TOXICITY IN TERMS OF ENVIRONMENT AND HUMAN HEALTH**

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**ABSTRACT:** Pesticides are one of the indispensable elements of modern agriculture. Pesticides are mixtures of substances or substances used to prevent, control or reduce harmful organisms. Pesticides may be a chemical agent, a biological agent such as a virus or a bacterium, an antimicrobial, a disinfectant or any other vehicle. However, uncontrolled and excessively used pesticides cause many environmental pollutions. Environmental contamination is also caused by the inaccuracies of the pesticides and the disposal of the increased drugs. Because of these conditions, pesticides have a toxic effect on many living things. Pesticide is harmful to environment and human health has caused to be the subject of research in environmental engineering. In this study, toxic analysis of pesticides was performed and evaluated. The aim of our study is to investigate pesticide toxicity, to examine the environment and human health and to evaluate the results and to present solution suggestions. In the study, the degree of toxicity of pesticides to living things was determined by laboratory studies. *Lepidium sativum* toxicity test was used to determine toxicity. According to the researches, it has been determined that pesticide toxicity has reached values in a way to harm human and environmental health. According to the studies, pesticides such as aldrin have high levels of harm and some pesticides that have been forbidden to use have been restricted. *Lepidium sativum* toxicity tests have shown that toxicity of both insecticides and herbicides is very toxic. In the study, the results of *Lepidium sativum* toxicity test were more toxic than pesticide called pesticide insecticide when it was examined in terms of pesticide types. Pesticides are very toxic hazardous substances. Therefore, pesticide use should be made by people who are conscious and knowledgeable about this pesticides should be preferred less pests to the environment.

*Keywords: Environment, Human, Lepidium sativum, Pesticides, toxicity*