

PROCESSES UNDERLINING THE ACTION OF PESTICIDES ON ECOSYSTEMS AND HUMAN ORGANISM

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Abstract. A brief overview of the works carried out over a long period is presented. The role of adenosine triphosphate (ATP) on the mechanism of action of pesticides and pesticide complexes with metals is shown. The results of investigation of the effect of pesticides and their complexes with metals on the enzyme systems and nucleotides are presented. The results are summarized in a single system of interrelated and interdependent processes developing *in vivo* in the form of a branched biological mechanism.

Keywords: pesticides, adenosine triphosphate, NADH-oxidoreductase, nucleotides.

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