

The Study of Bioenergetical Process Regulation

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The purpose of our work is to research the manegement ways of bioenergy process in the result of influence by chemical agents on plants, having the practical importance in line with theoretical interests for the purpose of increasing the potential abilities which shall be finally reflected in their efficiency and adaptation toward disadvantageous environmental conditions. In the contemporary agrochemistry establishing of the correlation between those components providing accumulation of the initial photoassimilates of enough quantity in plant cells as: starch, sugar etc. Furthermore, influence of stress proteins at the functional activity of plant cells in the adaptation period is an actual problem. Examination of reception mechanisms is important as the chemical compounds used by us show the regulatory ability by involving in the plant reception processes. Our goal is registration of the properties obtained after such regulation and establishing the chemical mechanisms of influense as far as possible.