

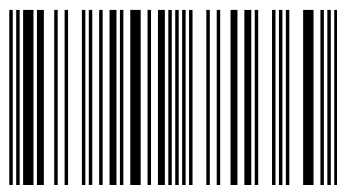
The manuscript presented some of the applied aspects of UV-C radiation as bactericidal as stimulating effect. The bactericidal effect of UV-C radiation is shown by the example of water disinfection. The experimental installation for bactericidal disinfection of drinking water with mercury arc lamp which has a detrimental effect on bacteria, viruses and other microorganisms was proposed. In order to effectively ensure the microbiological purity of various medical drugs, UV-C irradiation method which leads to chemical changes of molecules, and has a wide range of effects on microorganisms, including bacteria, viruses, fungi, etc. d. was presented. Finally, the stimulating effect of UV-C irradiation and the possibility of its use in pre-sowing preparation of seeds of various crops were demonstrated. For each of the studied seed crops, the optimal radiation doses lead to the maximum result, are indicated.



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The Ultraviolet Radiation: Disinfection and Stimulation Processes



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**THE ULTRAVIOLET RADIATION:
DISINFECTION AND STIMULATION PROCESSES**
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