THE EFFECT OF RADIATION FACTORS ON SOME AQUACULTURE OBJECTS

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In our previous studies, we used electron paramagnetic resonance (EPR) to study the effects of varying doses of gamma radiation on living systems [1, 2, 3]. We examined the paramagnetic centers formed in them over a wide range of magnetic fields (500-5500 G) [4, 5]. It was found that radiation exposure leads to the development of magnetic properties in them [4, 5].

In our recent studies, we used EPR spectroscopy to examine the effects of gamma radiation on certain aquaculture species. We found that increasing the radiation dose leads to an increase in the intensity of the broad EPR signal characterizing magnetic nanoparticles formed in various organs of the studied species. Our research in this area continues.

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