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Study of the Flocculation Process in the Artificial Aquatic Ecosystems

Abstract: The floccule-forming eco-technology is one of the promising and environmentally friendly methods for purifying the artificial water supply systems. Due to probiotic preparations, the technology efficiently reduces the environmental pollution by forming the activated sludge flakes — floccules. Upon microscopy, it can be seen that the shells of floccules are covered with villi enabling their association into colonies; in case of strong currents, the association takes place permanently. The quality of water purification depends on the quantity and size of the flakes.