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In article properties and features of water plants and their advantages above other biological methods of sewage treatment are described. The technology "bioplat " – a construction in which the method of clearing with the help of plants and other components is applied is offered, his(its) technical characteristics, features, chemical parameters of sewage treatment are specified.

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In the article the tradition approach shortcomings of sunflower seeds processing are examined. The advisability of technological innovation of oil separation and food proteins separation from cover-free sunflower seeds by the method of bumping and solvent direct extraction of oil residua at the temperature 70 °C above zero is substantiated. The results of experiment are analysed.