

عنوان مقاله:

The Comparison Between Membrane and Bubble Column Photo Bioreactors in Nitrate Removal Efficiency

محل انتشار:

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نویسندگان:

Soroush Azizi - *Department of Chemical Engineering, Science and Research branch, Islamic Azad University, Tehran, Iran*

Mahsa Keyvan Hosseini - *Department of Chemical Engineering, Science and Research branch, Islamic Azad University, Tehran, Iran*

Salar Helchi - *Department of Chemical Engineering, Science and Research branch, Islamic Azad University, Tehran, Iran*

Parisa Keyvan Hosseini - *Department of Chemical Engineering, Science and Research branch, Islamic Azad University, Tehran, Iran*

Farshid Pajoum Shariati - *Department of Chemical Engineering, Science and Research branch, Islamic Azad University, Tehran, Iran*

خلاصه مقاله:

In parallel with growing concerns toward Nitrate pollution in water, concentration has been turned toward finding some novel and efficient methods in an effort to remove or reduce this environmental problem. To do so, this article has reviewed some methods regarding nitrate removal. Since cholorella has been successful in nitrate removal, the test has been done in a membrane photo bioreactor and a bubble column photo bioreactor containg Chollorella with the influent concentration of 200 mg/lit. According to tests it has been concluded nitrate removal percentage in MPBR is more than bubble column bioreactor. Therefore, biological methods expressly MPBR could be the most state-of-the-art way to remove nitrate with high efficiency and more research will be needed to improve this method in the near future

کلمات کلیدی:

Nitrate removal, Membrane photo bioreactor, Bubble column photo bioreactor Microalgae

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