عنوان مقاله:

Green Technologies for Wastewater Treatment

محل انتشار:

دومین کنفرانس بین المللی یافته های نوین پژوهشی در شیمی و مهندسی شیمی (سال: 1395)

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نویسندگان:

Seyyedeh Cobra Azimi - *Environmental Research Institute, Academic Center for Education, Culture & Research (ACECR), ۴۱۴۴۶۳۵۶۹۹, Rasht, Iran*

Alireza Pendashteh - *Environmental Research Institute, Academic Center for Education, Culture & Research (ACECR), ۴۱۴۴۶۳۵۶۹۹, Rasht, Iran*

خلاصه مقاله:

Chemistry and Chemical technology has contributed considerably to the development of abundant human life by providing various kinds of useful materials. Although there have been several adverse effects, the positive effects were dominate. As for the future, we are confident that chemical technology will continue to play key roles, but we can not foresee similar development as in the past, because of the limited supply of resources and the intolerable environmental disruption. The influences of science and technology might have grown beyond our controllability.The implementation of clean, eco-friendly, less energy and waste producing processes and technologies is realized today with an increasing interest. In order to provide a sustainable development, environmentally friendly substances, novel technologies and new green chemistry options should be utilized. In that respect, in this paper green chemistry, green engineering and their principles are reviewed in relation to green technologies for wastewater treatment.

کلمات کلیدی:

Green chemistry, Sustainable development, Wastewater treatment