

Iranian National Committee on Irrigation and Drainage has recently released a Book in **Two Volumes on Drainage and Environment**

ABOUT THE BOOK:

Our world's environment is facing an escalating rate of degradation. Misguided management policies, coupled with natural phenomena such as droughts and climate change, are significant contributors to this deterioration. In the realm of agriculture, drainage systems, while not direct sources of pollution, play a pivotal role in transferring pollutants to their receiving bodies.

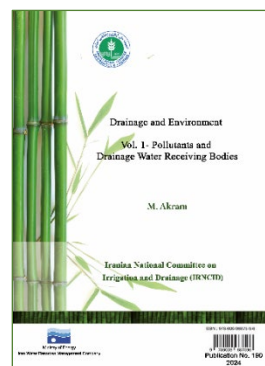
The first volume offers an in-depth exploration of facts, theories, and methodologies to scrutinize the state of the Karun River, Iran's largest river, as a case study. Concurrently, it investigates the conditions of two distinct wetlands, one naturally occurring and the other man-made. The second volume of the book delves into various aspects of wastewater pollutants, soil and water salinity, chemical and animal fertilizers, with a

particular focus on nitrogen and phosphorus, and the environmental impacts of these pollutants.

The use of wastewater from urban water treatment plants introduces pollutants into the soil and plants, posing a threat to human health and the environment. Hence, the issue of wastewater is also addressed. In the concluding section, the book discusses strategies to mitigate wastewater pollution, presenting one or more improvement solutions for each significant pollutant.

Presented in two volumes, this collection serves as a valuable resource for researchers and graduate students in the fields of irrigation, civil engineering, and environmental studies. It offers comprehensive and critical reading material for all stakeholders engaged in the ongoing management of water resources.

VOLUME 1: Drainage and Environment: Pollutants and Drainage Water Receiving Bodies, Pages: 413, Year of publication: 2024, Publisher: IRNCID, Language: Persian, Series Number: No. 190



VOLUME 2: Drainage and Environment: Measures to Improve Drainage Water Quality, Pages: 385, Year of publication: 2024, Publisher: IRNCID, Language: Persian, Series Number: No. 191

