

# Review of: "Promoting Pro-Environmental Behavior for Sustainable Water Resource Management: A Social Exchange Perspective"

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Potential competing interests: No potential competing interests to declare.

1. ABSTRACT: The study proposes a comprehensive set of strategies by emphasizing the importance of sustainable water usage.
2. 2. INTRODUCTION: According to a report by the Water, Environment, and Health Institute, by 2030, there will be a 40% gap between water demand and available water. The world's population has tripled in the twentieth century, but water use has increased sixfold. By 2050, population growth in flood-prone areas, climate change, deforestation, loss of wetlands, and rising sea levels could increase the number of people vulnerable to floods to 2 billion. (needs reference).
3. INTRODUCTION: At present, Iran's annual water consumption is estimated to be approximately 96 billion cubic meters, exceeding the country's total renewable water resources (89 billion cubic meters) by around 8% or nearly 80% above the water scarcity threshold (Rewrite the sentence and try to bring the percentages separately not together.)
4. INTRODUCTION: inadequate employment opportunities in alternative sectors to incentivize farmers and reduce the social costs associated with restrictive measures targeting agricultural activities (this sentence is not clear,)
5. INTRODUCTION: The United States Environmental Protection Agency has identified two categories of actions to increase water efficiency: engineering measures designed to reduce water consumption regardless of consumer behavior, and behavioral actions that aim to change consumer habits, such as using dishwashers at maximum capacity, taking shorter showers, and turning off the tap while brushing teeth or shaving [10]. (The sentence has no relation with the previous content. The sudden introduction of management measures has disrupted the uniformity and flow of the text. Bring a short introduction about the necessity of water efficiency measures and then explain the categories. This part should be a separate paragraph)
6. The novelty of the study should be highlighted.
7. While it may benefit each herdsman to allow their animals to graze as much as possible, the costs are distributed among the entire group. (which costs?)
8. Numerous studies have examined the impact of modifying the structural outcome on participants' behavior. The findings of these studies generally confirm that the cooperative behavior of participants is negatively associated with the cost of cooperation and positively related to the benefits of cooperation. (Mention some of them)
9. 1. **Ethical commitment:** this category is belonged to what? Clarify it please.
10. The study is conducted in iran but unfortunately there is not any example of mismanagement of water or other

common natural resources. As a researcher who worked on this field for more than 5 years, in Iran there are a lot of managerial issues that refer to legislation, execution and lack of cooperation among decision makers and stakeholders. Please add some paragraphs about Iran's government and legislation system.