A review on harvesting and harnessing rainwater: an alternative strategy to cope with Drinking water scarcity

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Introduction: Currently available sources of water face extreme pressures around the globe because of oblivious human activities as well as changing climate. The rainwater harvesting system (RWHS) carries a huge potential to enhance surface and groundwater resources in regions having a poor water supply. Recently, several countries have started to promote the updated implementation of such practice to tackle the problem of growing water demand. These considerations motivated our enthusiasm for looking at its current circumstances and the possibility of RWHS in the future.

Purpose: The study aims to identify the evidence gap among different determinants (climate change, reliability, water quality and financial viability) intertwined with RWHS. In the paper, studies related to the significance of RWHS amidst scarcity of water around the globe, published in valued journals from 2000 to 2020, are reviewed**.**

Conclusion: We found that the RWHS becomes economically viable when certain steps and risk assessment methods are executed in planning and maintaining this system. The study concludes that drinking water sufficiency is possible if a sustainable drinking water supply system is built via RWHS

Biography:

Ghanashyam Khanal is an economist with a special focus on Environmental & Resource Economics and Development Economics. I work on the intersection of development economics and the impact of development interventions on the environment. I have published scholarly articles in several journals and newspapers. Due to climate change, water resources have been dried and water has been scarce around the globe is another area where I would like to contribute. The current affairs of economics.

Publication of speakers:

1. Climate change adaptation undertaken by small-scale farmers in Nepal: a reference from Tinau River Basin
2. Green Banking in Nepal; For Fighting Climate change
3. Local Govt's Role In Disaster Management.

Full name of webinars, dates,

Webinar on Nano materials. March 30, 2021

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