

SUSTAINABILITY OF AGRICULTURE UNDER WATER SCARCITY: IMPACT ASSESSMENT IN THE CONTEXT OF WATER-ENERGY-FOOD NEXUS

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Abstract

Article contains brief information about sustainability of agriculture under water scarcity under the climate change in

Central Asia and impact assessment in the context of WEF nexus of Chirchik river basin located in Tashkent region. Purpose

of the article is aimed at the efficient use of water resources for increasing food and energy production in Tashkent Region

followed by proposing scenarios based on the current energy demand, industrialization potential and agricultural production

for the region within a time horizon of 10 years.

Key words: sustainability of agriculture, water scarcity, water-energy-food nexus, Tashkent region, Chirchik river basin, scenarios.

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