

DEVELOPMENT MATHEMATIC MODEL OF AUTOMATIC CONTROL SYSTEM OF WATER PURIFICATION PROCESS.

Introduction. Water scarcity considered an urgent problem not only in our country; it is a global problem on which a lot of effort and pay attention by international organizations, countries and many scientific institutions. Lack of drinking resources, taking into account the rising demographics, leads to the fact that many countries are included in the list of suffering from water stress. It is worth noting that, 2021, our republic ranked 25th out of 164 countries in the world ranking (World Resources Institute) as a country suffering from water stress [1]. According to the researches, Uzbekistan is included in a group of 27 countries experiencing high water scarcity among countries such as Afghanistan, Turkey, Kyrgyzstan, Portugal and Italy.

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