

Challenges and Proposed Solutions Toward Successful Dealing with E-Waste in Kuwait

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Abstract : Kuwait, like many parts of the world, has started facing the dangerous growth of electrical and electronic wastes. This growth has been noted last two decades, coming along with the development of mobile phones, computers, TVs, as well as other electronic devices and electrical equipment. Kuwait is already among the highest global producers of electronic waste (E-waste) in kg per capita. Furthermore, Kuwait is among the global countries that set high-level future targets in renewable energy projects. Accumulation of this electronic waste, as well as accelerated renewable energy projects, will lead to the increase of future threats to the country. In this research, factors that lead to the increase the e-waste in Kuwait are presented. Also, the current situations of dealing with e-waste in the country as well as current challenges are examined. The impact of renewable energy projects on future E-wastes accumulation is considered. Moreover, this research proposes the best strategies and practices toward successfully dealing with the waste of electronic devices and renewable energy technologies.

Keywords : Kuwait, e-waste, extended producer responsibility, environment, recycle, recovery

Conference Title : ICEWMST 2022 : International Conference on Electronic Waste Management, Systems and Technologies

Conference Location : Jeddah, Saudi Arabia

Conference Dates : February 17-18, 2022