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Findings on COVID-19 Discussed by Investigators at Abu Dhabi University (Post Covid-19 Water and Waste Water Management To Protect Public Health and Geoenvironment).

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2021 JUL 11 (NewsRx) -- By a News Reporter-Staff News Editor at Medical Letter on the CDC & FDA -- Current study results on Coronavirus - COVID-19 have been published. According to news reporting out of Abu Dhabi, United Arab Emirates, by NewsRx editors, research stated, "The coronavirus disease 2019 pandemic has posed severe threats to humans and the geoenvironment. The findings of severe acute respiratory syndrome coronavirus 2 (Sars-CoV-2) traces in waste water and the practice of disinfecting outdoor spaces in several cities in the world, which can result into the entry of disinfectants and their by-products into storm drainage systems and their subsequent discharge into rivers and coastal waters, raise the issue of environmental, ecological and public health effects."

Funders for this research include Comunidad de Madrid, Universidad Politecnica de Madrid.

Our news journalists obtained a quote from the research from Abu Dhabi University, "The aims of the current paper are to investigate the potential of water and waste water to operate as transmission routes for Sars-CoV-2 and the risks of this to public health and the geoenvironment. Additionally, several developing countries are characterised by low water-related disaster resilience and low household water security, with measures for protection of water resources and technologies for clean water and sanitation being substandard or not in place. To mitigate the impact of the pandemic in such cases, practical recommendations are provided herein."

According to the news editors, the research concluded: "The paper calls for the enhancement of research into the migration mechanisms of viruses in various media, as well as in the formation of trihalomethanes and other disinfectant by-products in the geoenvironment, in order to develop robust solutions to combat the effects of the current and future pandemics."

This research has been peer-reviewed.

For more information on this research see: Post Covid-19 Water and Waste Water Management To Protect Public Health and Geoenvironment. Environmental Geotechnics, 2021;8(3):193-207. Environmental Geotechnics can be contacted at: Ice Publishing, Inst Civil Engineers, 1 Great George St, Westminster Sw 1P 3AA, England.

Our news journalists report that additional information may be obtained by contacting Evan K. Paleologos, Abu Dhabi University, Dept. of Civil Engineering, Abu Dhabi, United Arab Emirates. Additional authors for this research include Brendan C. O'Kelly, Chao-Sheng Tang, Ken Cornell, Jorge Rodriguez-Chueca, Sonia Guerra-Rodriguez, Hossam Abuel-Naga, Eugeniusz Koda, Magdalena Daria Vaverkova, Arvin Farid, Konstantinos Kostarelos, Venkata Siva Naga Sai Goli, Bettadapura S. Shashank, Arif Mohammad, Ganaraj Kuntikana, Devendra N. Singh, Eng-Choon Leong, Prathyusha Jayanthi, Susmita Sharma, Sowmya Shreedhar, Bhagwanjee Jha, Myint Win Bo and Abdel-Mohsen O. Mohamed.

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