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Impact of Disinfectant and Sanitizer on Human and Environment during COVID-19 Pandemic

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Abstract:*In context of pandemic COVID-19, all communities of world are under strong psychologically pressure of outbreak corona virus and its impact on human life. Due to its severity and deleterious effects, controlling and transmission of COVID-19 virus among society is at highest priority all over the world. According to WHO (World Health Organization) to avoid the infection of COVID-19 virus and combat directly with virus use the sanitizer or disinfected on daily basis as preventive strategies against COVID-19 virus. In present attempt, we have highlighted the detrimental effects of disinfectant or sanitizer on human and environment. Information on use of disinfectant and sanitizer to prevent the spreading of virus and its deleterious effects was collected from 10 families by web based (Google form) survey through different questionnaires. Gathered information reveals, that families are continuously applying disinfectant or sanitizer on body surface to inactive or destroy the effects of microorganism. As sanitizer and disinfectant is complex mixture of various concentrations of chemical agents and such chemicals may have adverse impact on human health, environment, water ecosystem and aquatic life as well. Collected information concluded that, about 90% families agreed that sanitizer and other disinfectant have adverse impact on human health, 80% families granted that sanitizer produce adverse effect on water ecosystem and 70% families said that sanitizer and other disinfectant have detrimental impact on environment and aquatic life. Finally, we recommended that, to reduce the side effect of disinfectant and sanitizer, we have to use the safe concentration, eco-friendly and herbal based sanitizer and disinfectant in present pandemic scenario.*

Keywords: Disinfectant, Sanitizer, Adverse impacts, Pandemic COVID-19, etc.

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