



## The Ecology and Evolution of SARS-CoV-2

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Deadline for manuscript  
submissions:

**closed (31 January 2023)**

### Message from the Guest Editor

Dear Colleagues,

SARS-CoV-2 is a single-stranded RNA virus causing the coronavirus disease 2019 pandemic and has claimed millions of human lives all over the world. SARS-CoV-2 is about 80 nm in size, having a protein coat and an RNA genome (~30 Kb). As a microorganism, SARS-CoV-2 participates in the ecological processes in environments. Studies have demonstrated its existence in air, water, waste and surfaces, among other things. Given that it can survive for certain periods of time (from hours to several days) in environments, we have the chance to investigate the composition, diversity and distribution of the virus. Studying the effects of environmental factors—including temperature, acidity, radiations, organic matter and chemicals such as disinfectants—on the virus is helpful for the understanding of its fate and transportation in environments. The virus may also be involved in interactions with other microorganisms in environments.

Keywords: SARS-CoV-2; COVID-19; ecology; evolution; environment





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## Message from the Editor-in-Chief

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