

Sanitec® Technology

CHEVELL

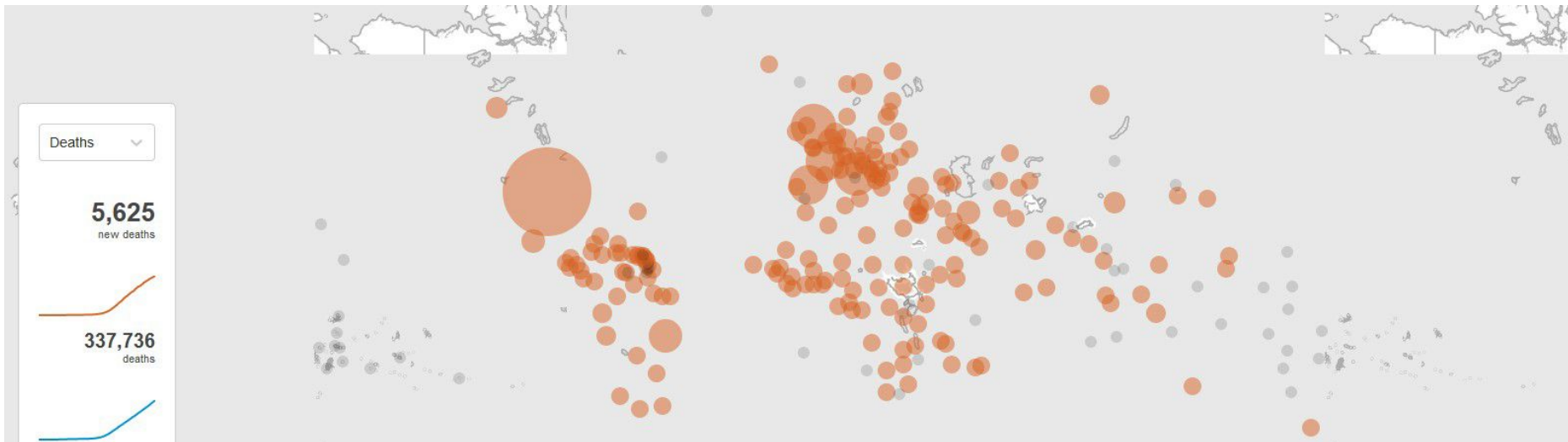
## Antiviral and Antibacterial treatment for textile

### CONTACT US

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- The 2019-COVID breakout and spread all over the world in 2020
- Globally, till 24 May 2020, there have been **337,736 deaths** of COVID-19, reported to WHO.



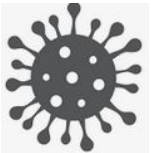
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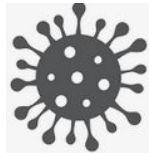
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New viruses come out all the time

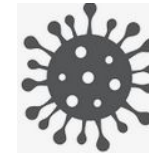
2003  
SARS



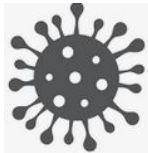
2013  
MERS



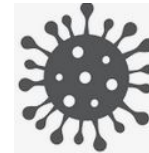
2013  
ZIKA



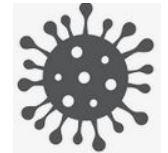
2009  
H1N1



2014  
Dengue



2019  
SARS-  
CoV-2



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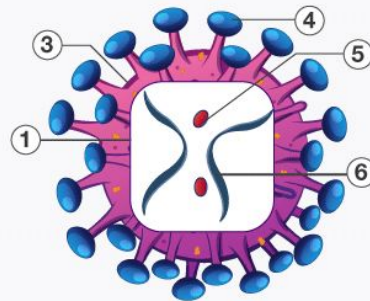
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## Virus and Bacteria Structure

### VIRAL STRUCTURE



(a) Bacteriophage



(b) Human Immunodeficiency Virus

- 1 Capsid | 2 DNA | 3 Envelop | 4 Envelop Protein | 5 Enzyme | 6 RNA



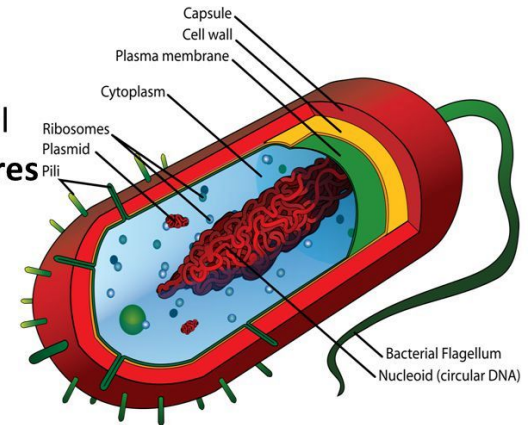
### Structure of Bacteria

#### Essential structure

- Cell wall
- cell membrane
- Cytoplasm
- Nuclear material

#### Particular structures

- Capsule
- flagella
- pili
- Spore



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Question:

Could textile help to prevent virus and bacterium's affect to Human Body?

Answer:

Yes

How?

Chose textile treated with anti-virus and anti-bacterium function

## Hygiene management under Covid-2019, validate Sanitec® products antiviral properties on synthetics

Before a final product's antiviral properties can be publicly promoted, viral tests must be performed in specialized laboratories.

### In accordance with ISO 18184:2019

Textiles — Determination of antiviral activity of textile products

### Patented Technology

Utilize quaternary ammonium salt technology

### Effective

Feline coronavirus with structures and mechanisms reminiscent of SARS-Cov2

### Application

Synthetics including face masks, protective professional medical clothing, bed linens, or mattresses.

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