The UIB Climatic **Response on** the Spread of COVID-19

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CONTENTS





What's a Coronavirus?

	A family of viruses affecting Respiratory Tract	
	Causing Disease from common cold to Pneumonia.	
CORONA	Usually lives in bats & other wiled animals.	SPER A
	Transmitted to humans directly, or via other animals.	
Can	also transmit between humans via respiratory droplets,	

Virus Structure



COVID-19 Epidemic Time Line



Origin of the Virus Circulate in a Range of animals



Corona Virus Symptoms



Prevention Measure of COVID-19

PREVENTION





Wash Hands with water and soap/Sanitizer, at least 20 Seconds

Avoid contact with sick people



Don't touch eyes, nose or mouth with unwashed hands



Don't eat raw food, thoroughly cook meat and eggs



Avoid contact with animals and animal products

IF YOU ARE INFECTED



Stay at home



Avoid Contact with others



Cover your nose and mouth when sneezing



Keep objects and surface clean



Wear a surgical mask





Fig. A spatio-temporal analysis for exploring the effect of temperature on COVID-19 early evolution in Spain





Fig. The temperature and regional climate effects on communitarian COVID-19 contagion in Mexico throughout phase 1



Fig. Correlation between weather and Covid-19 pandemic in Jakarta, Indonesia



Fig. Association between the scaled transmission rate (STR) of COVID-19 and the meteorological parameter in China



Fig. Temperature and precipitation associate with Covid-19 new daily cases: A correlation study between weather and Covid-19 pandemic in Oslo, Norway

COVID-19 Current Situation in Pakistan























Weather variables	Spearman correlation coefficient
Temperature minimum/Tn (°C)	0.628
Temperature maximum/Tx (°C)	0.538
Temperature average/Tavg (°C)	<u>0.692</u>
Humidity (%)	0.012
Rainfall (mm)	0.039
Day Light (Hours)	0.43

Conclusion

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- The weather is an important factor in determining the incidence rate of covid-19 in Pakistan
- The regional climate parameters are important factors that may trigger the spread of the COVID-19.
- Average temperature, minimum temperature and air quality have significant correlation with COVID-19 epidemic.
- > Regional climate associates significantly with the COVID-19 local transmission rate
 - The average daylight hours have a connotation with the spreading rate of pandemic disease.

