

ISSN : 2395-4132

# THE EXPRESSION

An International Multidisciplinary e-Journal

Bimonthly Refereed & Indexed Open Access e-Journal



Impact Factor 3.9

**Vol. 6 Issue 3 June 2020**

Editor-in-Chief : Dr. Bijender Singh

Email : [editor@expressionjournal.com](mailto:editor@expressionjournal.com)

[www.expressionjournal.com](http://www.expressionjournal.com)

# The Expression: An International Multidisciplinary e-Journal

(A Peer Reviewed and Indexed Journal with Impact Factor 3.9)

[www.expressionjournal.com](http://www.expressionjournal.com)

ISSN: 2395-4132



## **STUDY OF CORONA (COVID-19) WITH SPECIAL REFERENCE TO GEOGRAPHY**

**Vikas Nehra**

**PGT Geography, GHS Sheikhpura Manchuri  
Sheikhpura Manchuri, District Karnal, Haryana**

**Jyoti**

**MSc Botany, Department of Botany  
Kurukshetra University, Kurukshetra, Haryana**

.....

### **Abstract**

Covid-19 disease is thought to have its origin in Wuhan city, Hubei Province of China. It was reported in late December 2019. A 55 year old individual in China may have been the first person to have contracted Covid-19, reported in South China Morning post on Nov 17, 2019. Due its late reporting and late declaration of WHO as pandemic, It has now spread to almost every country in the world. Scientist now suspect this corona virus , SARS-Cov-2, originated in a bat and somehow hopped to another animal and from them to the seafood market in Wuhan city of China and from there it taken the route to the different countries through travelers. Now it has taken the shape of dangerous contagious disease and spreading human to human. We will see its spread in the context of geography. We will also talk about its symptoms and prevention. Hopefully we will get rid of this terrible disease in short span of time.

### **Keywords**

Corona, Covid-19, Geography, Gender, Migration, GIS, Transition, Epidemic, Mutation.

.....

**Vol. 6 Issue 3 (June 2020)**

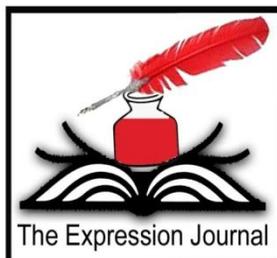
**Editor-in-Chief: Dr. Bijender Singh**

# The Expression: An International Multidisciplinary e-Journal

(A Peer Reviewed and Indexed Journal with Impact Factor 3.9)

[www.expressionjournal.com](http://www.expressionjournal.com)

ISSN: 2395-4132



## **STUDY OF CORONA (COVID-19) WITH SPECIAL REFERENCE TO GEOGRAPHY**

**Vikas Nehra**

**PGT Geography, GHS Sheikhupura Manchuri  
Sheikhupura Manchuri, District Karnal, Haryana**

**Jyoti**

**MSc Botany, Department of Botany  
Kurukshetra University, Kurukshetra, Haryana**

.....

### **Introduction:**

This dreaded contagious coronary disease mainly spread by droplets produced by coughing, sneezing and talking, it is most contagious during the first three days after the onset of symptoms appear and people who do not show symptom. It started only a few months ago and with mutation capacity, has taken its devastating form in almost all the countries of the world. It has caused not only death but threaten the world economic progress, political structure, social fabrics, culture and way of living of people. It seems things will change upside down. A country, which takes precautions well in time shows ability to control it. Covid-19 virus enters the body through eyes, nose, and ears and damages the lungs of patient and resultant in the death of critical cases. Although corona virus has the history of fifty years but covid-19 has mutated deadly and devastating state. The scientists still inventing treatment and vaccine for its remedy. Almost all countries are collaborating to win over this pandemic.

### **Objectives:**

- To study the COVID-19 Virus
- Study with special reference to Geography
- How can we prevent in this situations

**Vol. 6 Issue 3 (June 2020)**

**Editor-in-Chief: Dr. Bijender Singh**

# The Expression: An International Multidisciplinary e-Journal

(A Peer Reviewed and Indexed Journal with Impact Factor 3.9)

[www.expressionjournal.com](http://www.expressionjournal.com)

ISSN: 2395-4132

## Symptoms of Covid-19:

=>Common symptoms:

- Itching and pain
- Sore throat
- Diarrhea
- Conjunctivitis
- Headache
- No taste or smell
- Scratches on skin or discoloration of fingers or toes

=>Severe symptoms:

- Difficulty breathing or shortness of breath
- Chest pain or pressure
- Cannot speak or walk

## COVID-19 Vs Geography

Geography is the spatial and topical study of the Earth. At the same time, we cannot deny the geographical side of Corona at all. We will see this through various geographical terms.

Geographical Area of COVID-19

- Gender
- Migration
- Settlements Patterns
- GIS/Remote Sensing
- Hot-Spot
- Regional/Systematic Approach
- Spatial/Temporal studies
- Population Density
- Environmental Determinism Concept
- Malthus's Population Theory
- Geographical Distance
- Longitudinal Effects

### Gender:

Men are more at risk due to a particular enzyme than women. The concentration of Angiotensin Converting Enzyme-2 (ACE-2) is found to be higher in the blood of men than in women. It is through this enzyme that corona is able to synthesize healthy cells in men. (European Heart Magazine)

Vol. 6 Issue 3 (June 2020)

Editor-in-Chief: Dr. Bijender Singh

# The Expression: An International Multidisciplinary e-Journal

(A Peer Reviewed and Indexed Journal with Impact Factor 3.9)

[www.expressionjournal.com](http://www.expressionjournal.com)

ISSN: 2395-4132

## **Migration:**

The epidemic has spread to other countries of the world from the city of Wuhan in China. Under a migration rule, when a person moves from one place to another, he spreads infection there too. In view of the danger of infection, at the present time there is migration from big city to small town or from city to village. Lakhs of workers in India are going back to their native place Bihar, Jharkhand, UP from places like Maharashtra, Gujarat, Delhi, Telangana etc.

## **Settlements Patterns:**

The settlement pattern is also helpful in increasing the disease. If the settlements are in the form of flakes, there is a high fear of infection spreading, while there will be a decrease in infection if the settlements are scattered. In the context of India, Delhi settlements and Mumbai settlements, especially Dharavi, are a vivid example of this.

## **GIS/Remote Sensing:**

A micro-study of the disease can be done by making a map related to the anatomical region of the place, state, country or continent, etc. with the help of GIS or Remote Sensing. Currently various governments are taking advantage of this.

## **Hot-Spot:**

Hot spots related to infection can be identified and some strict restrictions imposed there. Due to this, there is no risk of spreading the infection from there to the other place. Therefore, at present, red zones or containment zones are being made at different places.

## **Regional/Systematic Approach:**

In the current transition period, it is very important to adopt the Systematic Approach except the regional Approach. This disease can't be eradicated from any particular place, but the entire world has to avoid it. If this is not done in priority, there will be a fear of spreading the epidemic again in the infection-free zone. In recent times, the disease has spread again in some parts of China after its eradication; Wuhan and Beijing are examples of this.

## **Spatial/Temporal Studies:**

Spatial as well as Temporal studies are also required in geography. Some such epidemics have also spread earlier. 1720 - Plague, 1820 - cholera, 1920 - Spanish flu, 2003 - SARS, 2014 - Ebola etc. One must learn from all these passed circumstances.

## **Population Density:**

In highly dense populated area, risk of infection spreading is higher. Where people live in congested and crowded area, then the infection will spread more quickly and multiply. New York, London, Wuhan, Delhi, Mumbai etc. are examples of this.

## **Environmental Determinism Concept:**

This concept of geography is justified in the present-day corona crisis. According to this concept, various scholars have described the latent power of nature is more powerful than human power of science. In this corona transitional period, perhaps nature has exhibited its power to human race

Vol. 6 Issue 3 (June 2020)

Editor-in-Chief: Dr. Bijender Singh

# The Expression: An International Multidisciplinary e-Journal

(A Peer Reviewed and Indexed Journal with Impact Factor 3.9)

[www.expressionjournal.com](http://www.expressionjournal.com)

ISSN: 2395-4132

that by its actions, activities and behavior it can tight the noose of human race. It means nature always bosses over the human being.

## **Malthus's Population Theory:-**

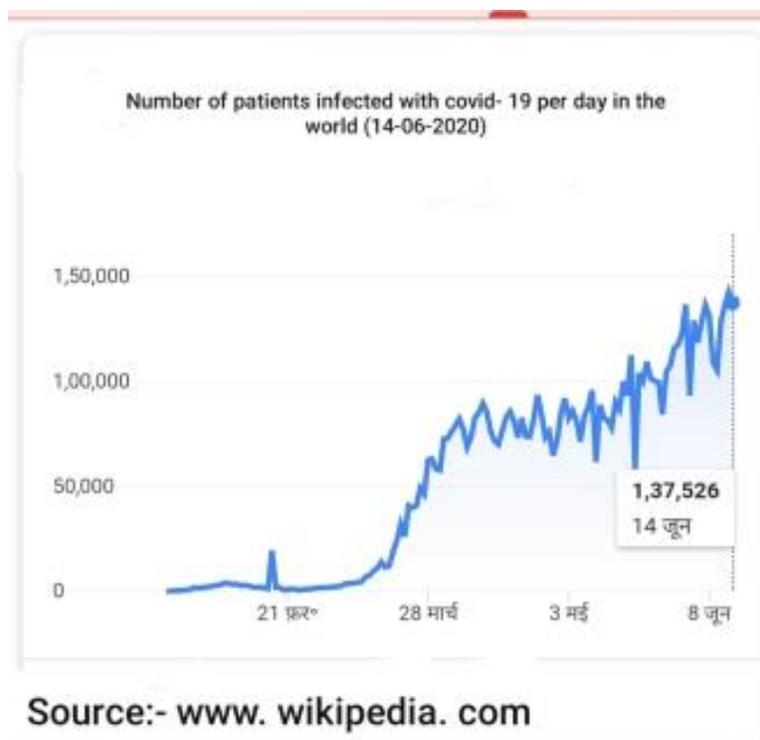
According to Malthus's population theory, if there is a huge increase in population, then war, pandemic, famine, flood or other natural disaster automatically reduces it. Something similar is happening at the present time. But we hope that the situation will come under control before it becomes more serious.

## **Geographical Distance:**

Social and physical distance is the most effective way to prevent infection of this disease. If people keep distance between themselves, then the disease can be limited. At present, the governments of various countries are trying to impose this.

## **Longitudinal Effects:**

More cases of corona have been reported in latitudes  $30^{\circ}$  –  $45^{\circ}$  north. Such as New York -  $40^{\circ}$  73'N, Italy -  $36^{\circ}$  to  $45^{\circ}$  northern latitude, Spain -  $36^{\circ}$  to  $42^{\circ}$ N, most of China's population is only between  $30^{\circ}$  to  $45^{\circ}$ N, most of the population in Iran is around  $35^{\circ}$ N. Is only The climate here is relatively cold. But it is important to note that infection in hot climate is less spread, but timely precautions have played an important role in it.



Vol. 6 Issue 3 (June 2020)

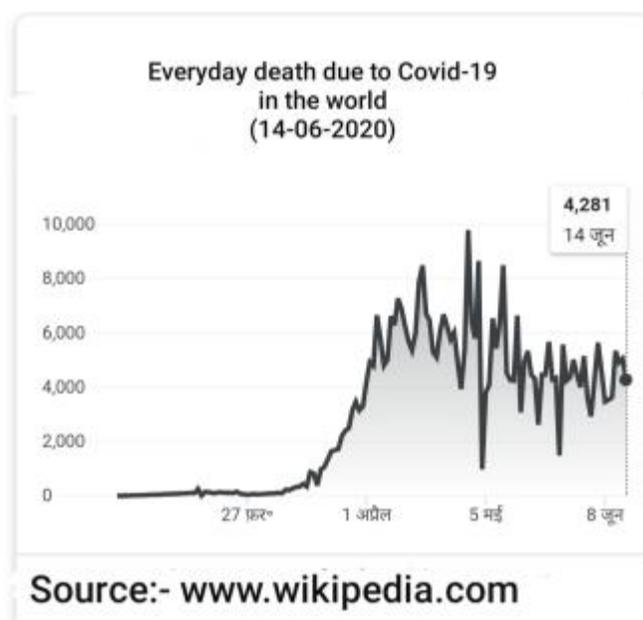
Editor-in-Chief: Dr. Bijender Singh

# The Expression: An International Multidisciplinary e-Journal

(A Peer Reviewed and Indexed Journal with Impact Factor 3.9)

[www.expressionjournal.com](http://www.expressionjournal.com)

ISSN: 2395-4132



## The Number of New Patients Reported Globally

	(14 June 2020)			
Nation	Confirm Cases (IN LAKHS)	Recover (IN LAKHS)	Death	
USA	21.4	6.54	117000	
BRAZIL	8.7	4.38	43396	
RUSSIA	5.37	2.85	7091	
INDIA	3.32	1.7	9520	
SPAIN	2.44	1.5	27136	
ITALY	2.37	1.76	34345	
IRAN	1.87	1.49	8837	
GERMANY	1.87	1.72	8867	
FRANCE	1.57	0.7	29407	
MAXICO	1.47	1.08	17141	
SOURCE: WWW.WIKIPEDIA.COM				

# The Expression: An International Multidisciplinary e-Journal

(A Peer Reviewed and Indexed Journal with Impact Factor 3.9)

[www.expressionjournal.com](http://www.expressionjournal.com)

ISSN: 2395-4132

## Prevention of COVID-19

- Maintain suitable physical distance as prescribed by the WHO with everyone
- Have patience and keep calm while shopping for essential goods/medical supplies
- Avoid shaking hands and hugging as a matter greeting
- Avoid non-essential social gathering
- Don't allow visitors at home or visit someone else's home
- Always wear a mask while going outside
- Repeatedly wash hands with soap/sanitizers.

## REFERENCES:

Carter Harold. *The Study of Urban Geography*. London: Edward Arnold, 1973.

<https://books.google.co.in>

<https://en.m.wikipedia.org>

Singh L.R. *Fundamentals of Human Geography*, Allahabad, Sharda Pustak Bhawan, 2003.

Singh, R.L. and Rana P.B. Singh. *Place of Small Town in India*, NGSI, Varanasi, 1979.

Singh, Savindra : *Climatology*, Prayag Pustak Bhawan, University Road, Allahabad, 2005.

Trewartha, G.T. *An Introduction to Climate*, McGraw, 1968.

[www.dainikjagran.com](http://www.dainikjagran.com)

[www.who.int/emergencies/diseases/novel-coronavirus-2019](http://www.who.int/emergencies/diseases/novel-coronavirus-2019)

[www.mohfw.gov.in](http://www.mohfw.gov.in)

[www.mygov.in](http://www.mygov.in)