

# COVID19 Immunity To Immunology

Subjects: [Immunology](#) | [Pharmacology & Pharmacy](#) | [Sociology](#)

Contributor: JAYDIP DATTA

Immunity is an important term directly related to prevent any kind of infection spreading -particularly Covid19 under this pandemic situation . The specs of immunity depends on various factors like Foods & Diets , Environment / Ecology , Good Habits , Natural Remedies like Herbs & Anti-Oxidant therapy. Now we will discuss the every aspects of Immunity for boosting it up for a natural prevention of Covid19 ! . It is our sociological consiousnrss to maintain strictly our immune system will be strong enough to fight against this Viral Curse .In the Pandemic world of Covid19 there are 300 tyeps of vaccine-velopment works are ongoing . In india also we have seen SII ( Pune ) are under trial of Phase2-3 trials . AstraZeneca - Oxford university , Cansino , Pfizer are trying under trial vaccine . As we are all aware that it is a long way to nd out the ethical trial ( Clinical eciency ) universally U.S.S.R has been under claim stage . We the common people are in good hope that the vaccination will get in success to stop such Spike Crown .Without the term immunity vaccination will not be effecrive to irradicate the viral infection .

Covid19

Immunity

Immunology

Vaccine developement

Social consiousness

Vaccine biotechnology

Infectious diseases

Virology

SARS-COV-2

Reproducibility test

Clinical trial and safety

Convalesent plasma therapy

**Immunity** greatly depends on the following good habis and social consiousness that " Prevention is better than cure "

## 1. Balanced and hygienic Diet

As per **nutritional biochemistry** a balanced diet is nothing but a appropriate combination of Protein ,Carbohydrate & Fats . Intake of animal & vegetable protein is a matter of our interest . An healthy as well as healthy drinks should be an additional interest . The Diet factor also includes a great issue ie malnutrition - As we are all aware that Malnutrition is a great curse even in 21st century due to Poverty , under-nutrition as well as heavy intake of fast foods causing some nutrition related

disorders like **Rickets** , **Scurvy** , & **musculoskeletal disorders** like Rh. Arthritis even neurological disorders – this type of patients are in high risk zone in spreading the Corona Virus . The second component of Food is adulteration - it is a fact against the above three phenomenon as well as deterioration of Health even death . Adulteration is a great curse of Society by some intoxicification of harmful chemicals as well as pathogenic contaminants . This is probably the greatest enemy of

Immunity ie indirectly a friend of Corona attack .

## 2. Anti-Oxidant / Therapeutic Anti-Oxidant

It include Balanced diet combined with Health Supplements, Herbs , Green Vegetables and Citrus food . The most important activity of antioxidant is to prevent the attack of Corona Virus as well as spreading of the Infection by **quenching free radical also known as free radical scavenger** . Green Tea as well as Black Coffee within specified limits helps the Patient for quick recovery.

### 3. Good Habits & Wellness

Smoking damages the lungs through a coating of nicotine directly and the patient is rapidly near the death by Pneumonic attack followed by sepsis ie death . The key point of wellness is to maintain a good mental health to relief stress during prolonged Lockdown period / under Quarantine condition . **Sound SLEEP** is a good secret of wellness ie to minimize the recovery time during attack of Covid19 .

### 4. Environment & Ecology

Now we will look back the most important factor the SUSTAINABILITY of Environment or Ecology ie probably the major cause of the spreading of the virus through the weak Immune system! . The excessive stress of GREEN HOUSE GASES , OZONE HOLE – damage through UV attack , Heavy metal pollutants like lead ( Pb ) ,Arsenic in waste water as well as air pollutants . Higher SUSPENDED PARTICULATE MATTER ( SPM ) content will spread this infection through aerosolised .

**IMMUNOLOGY AND VACCINATION** - Firstly it is needless to say that imuunity is the key function of any kind of vaccination

including Covid19 .Detaied discussion along with necessary links are as follows :

**Vaccination trial and developement** - <https://www.nature.com/articles/d41586-020-02400-7> **Nasal Spray as Corona Vaccine - approved by China** - [https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Findustry%2Fchina-approves-first-nasal-spray-covid-19-vaccine-for-trials%2F78050740&mailer\\_id=0&item\\_id=3917954&dt=2020-09-11&utm\\_source=Mailer&utm\\_medium=ET\\_batch&utm\\_campaign=ethealth\\_news\\_2020-09-11](https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Findustry%2Fchina-approves-first-nasal-spray-covid-19-vaccine-for-trials%2F78050740&mailer_id=0&item_id=3917954&dt=2020-09-11&utm_source=Mailer&utm_medium=ET_batch&utm_campaign=ethealth_news_2020-09-11)

**Covid vaccination trial is paused by Serum Institute ,India - DGCA has put a showcase notice** - <https://health.economictimes.indiatimes.com/tag/serum+institute+of+india>

**Covid vaccination trial is paused by Serum Institute ,India - DGCA has put a showcase notice** - <https://health.economictimes.indiatimes.com/tag/serum+institute+of+india>

Eu Comission has planned to order **200 million doses of Covid -vaccine from BioNTech- SE & Pfizer -US** - <https://health.economictimes.indiatimes.com/tag/european+commission>

**AZD1222-** A decision is taken by the panel of **expert of AZ Pharma** willreview the unexpected of UK pateints - <https://health.economictimes.indiatimes.com/tag/unexplained+illness>.

For Immunity booster - new formulation based on **Zinc Gluconate and natural Vitamin C coming from Acerola Cherry for boosting immunity** - To accelerate vaccine work - <https://health.economictimes.indiatimes.com/tag/covid-19+drug> Covid19 Vaccine is totally unpredicted -<https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Findustry%2Ftaking-the-good-with-the-bad->

how-potential-covid-19-vaccines-offered-hope-and-disappointment%2F78069594&mailer\_id=0&item\_id=3919885&dt=2020-09-12&utm\_source=Mailer&utm\_medium=ET\_batch&utm\_campaign=ethealth\_news\_2020-09-12 .**A venture of Serum Institute of India** -<https://health.economictimes.indiatimes.com/tag/serum+institute+of+india> .

**Whether Mask is an equivalent Vaccine** - <https://www.webmd.com/lung/news/20200909/could-your-mask-be-a-kind-of-vaccine-against-covid-19> .

**CPT( Consultant plasma therapy )** - Not effective to reduce the mortality of severe Covid-infection - <https://www.webmd.com/lung/news/20200909/could-your-mask-be-a-kind-of-vaccine-against-covid-19>

" **Variolation "of SARS-COV-2 - Waiting for a vaccine - 10.1056/NEJMp2026913 Immunological response of Covid Vaccination - SARS , MERS Epidemic .**

**Chemist Martin Brooke** has developed an unique test of Covid for student of Illinois University but the infection of the Spike protein can't be stopped - <https://www.npr.org/sections/health-shots/2020/08/15/902616040/can-testing-students-for-coronavirus-twice-a-week-prevent-campus-outbreaks> .

Please look back on **Gam-COVID-Vac** - <https://www.raps.org/news-and-articles/news-articles/2020/3/covid-19-vaccine-tracker> .

**The third trials of AZ resumes trial in U.K**-<https://www.hindustantimes.com/world-news/suspension-of-astrazeneca-covid-19-vaccine-trials-showed-fallacy-of-approach-rdif-ceo/story-rw09PX3WZQAKo1onyT6WEL.html> .

**COVISHIELD trial** - <https://www.timesnownews.com/health/article/covishield-update-oxford-covid-19-vaccine-likely-to-be-the-first-shot-for-indians-says-report/639290> .Volunteers of Covishield - <https://www.news18.com/news/india/vital-signs-normal-for-volunteers-who-were-administered-oxfords-covid-19-vaccine-covishield-pune-doctor-2823689.html> .**Although Plasma Therapy is not approved by ICMR but as per**

**Doctors it is viable in Stage - 3 Patient to control the CFR** - <https://health.economictimes.indiatimes.com/tag/covid-19+fatality> Hyderabad ,India - The Capital of World's vaccine development - <https://health.economictimes.indiatimes.com/tag/vaccine> .<https://health.economictimes.indiatimes.com/tag/global+vaccine+supply> .

**Dr. Seth Berkley - A Ceo of GAVI ( Geneva )** - The vaccine alliance funded by **Bill Gates** talking about the urgency of vaccine can't be compromised at the cost of vaccine trial safety - <https://health.economictimes.indiatimes.com/tag/dr+seth+berkley>.**Animal Trial is successful for COVAXIN** - Bharat Biotech <https://health.economictimes.indiatimes.com/tag/vaccine> .<https://health.economictimes.indiatimes.com/tag/bharat+biotech> .

**Spain to start vaccine trial with Johnson & Johnson** - <https://health.economictimes.indiatimes.com/tag/coronavirus+vaccine> Vaccine trial volunteer around 35 % are infected with Covid19 - [https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Fdiagnostics%2F35-of-vaccine-trial-volunteers-found-infected-with-covid-19%2F78102298&mailer\\_id=0&item\\_id=3923783&dt=2020-09-15&utm\\_source=Mailer&utm\\_medium=ET\\_batch&utm\\_campaign=ethealth\\_news\\_2020-09-15](https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Fdiagnostics%2F35-of-vaccine-trial-volunteers-found-infected-with-covid-19%2F78102298&mailer_id=0&item_id=3923783&dt=2020-09-15&utm_source=Mailer&utm_medium=ET_batch&utm_campaign=ethealth_news_2020-09-15) .

**Pfizer - BioNtech trial expands to phase -3 trial** - [https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Fpharma%2F-covid-19-vaccine-pfizer-biontech-to-expand-phase-3-trial%2F78102193&mailer\\_id=0&item\\_id=3923777&dt=2020-09-15&utm\\_source=Mailer&utm\\_medium=ET\\_batch&utm\\_campaign=ethealth\\_news\\_2020-09-15](https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Fpharma%2F-covid-19-vaccine-pfizer-biontech-to-expand-phase-3-trial%2F78102193&mailer_id=0&item_id=3923777&dt=2020-09-15&utm_source=Mailer&utm_medium=ET_batch&utm_campaign=ethealth_news_2020-09-15) .

**The HOD - WHO** urgently request the rich nations to join vaccine scheme by Friday - [https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Fdiagnostics%2Fwho-head-urges-rich-nations-to-join-vaccine-scheme-by-friday-deadline%2F78106353&mailer\\_id=0&item\\_id=3924062&dt=2020-09-15&utm\\_source=Mailer&utm\\_medium=ET\\_batch&utm\\_campaign=ethealth\\_news\\_2020-09-15](https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Fdiagnostics%2Fwho-head-urges-rich-nations-to-join-vaccine-scheme-by-friday-deadline%2F78106353&mailer_id=0&item_id=3924062&dt=2020-09-15&utm_source=Mailer&utm_medium=ET_batch&utm_campaign=ethealth_news_2020-09-15)

**Russiun vaccine Sputnik V** - Covid19 vaccine - REF : Credit: Natalia Kolesnikova/AFP/Getty - Nature news Letter ( 16.09.20 ) - nature.com ( Image Source ) d41586-020-02619-4 18 369638.jpg.

**38 Scientists** has signed for full verification - <https://www.nature.com/articles/d41586-020-01221-y> .  
Clinical trial has been de-accelerated - <https://nature.us17.list-manage.com/track/click?u=2c6057c528fdc6f73fa196d9d&id=c80db941d1&e=5944515236>.

A few volunteer left **vaccine trial from Johnson & Johnson** - <https://health.economictimes.indiatimes.com/tag/astrazeneca>  
<https://health.economictimes.indiatimes.com/tag/volunteers>.

Probability of Vaccine potency from 3-6 top vaccines - <https://health.economictimes.indiatimes.com/tag/vaccine>  
<https://health.economictimes.indiatimes.com/tag/bill+gates> .

**Novavax Inc ,U.S** has planned to 2 Billion Tons Vaccine ( **NVX-CoV2373** ) mfg agreement with SII India - <https://health.economictimes.indiatimes.com/tag/novavax>

Scale up is different issue - The ist focus should be to standardise the vaccine under efficient clinical trial safety . Most of the vaccine trial are **resulting III trial** . III- Stage are very difficultly mentioned .Vaccination - a hope .REF : Copyright Satish Bate/Hindustan Times/Getty ( doi:10.1038/nindia.2020.136 Published online 3 September 2020 ) .

**Vaccine access plan released by NASEM ( U.S )** - <https://nature.us17.list-manage.com/track/click?u=2c6057c528fdc6f73fa196d9d&id=8a9f1cbf7c&e=5944515236> .

Allocation of vaccines **for approved safety clinical safety trial** .REF : Copyright - Natalia Kolesnikova/AFP/Getty - Nature newsletter - nature.com( Image Source )

The firrst batch of **Russian -vaccine released into public** - [https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Findustry%2Ffirst-batch-of-russian-covid-19-vaccine-released-into-public%2F77988598&mailer\\_id=0&item\\_id=3911367&dt=2020-09-08&utm\\_source=Mailer&utm\\_medium=ET\\_batch&utm\\_campaign=ethealth\\_news\\_2020-09-08](https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Findustry%2Ffirst-batch-of-russian-covid-19-vaccine-released-into-public%2F77988598&mailer_id=0&item_id=3911367&dt=2020-09-08&utm_source=Mailer&utm_medium=ET_batch&utm_campaign=ethealth_news_2020-09-08) .

**35 % of Volunteers** infected during trial -**Randomly selected**

[.https://health.economictimes.indiatimes.com/tag/vaccine](https://health.economictimes.indiatimes.com/tag/vaccine)

Lilly drugs - 1.7 % patients had to hospitalised -6% of placebo groups -Clinical trial of antibody -<https://health.economictimes.indiatimes.com/tag/eli+lilly> <https://health.economictimes.indiatimes.com/tag/antibody> .

**High probability of mutation of RNA nucleocapsid protein** . " Novel spike crown " . AZ - Under pressure for vaccine safety trial - <https://health.economictimes.indiatimes.com/tag/astrazeneca> [.https://health.economictimes.indiatimes.com/tag/coronavirus](https://health.economictimes.indiatimes.com/tag/coronavirus) .

**Covishield - Oxford vaccine will** undergo III rd phase human trial in pune from coming week - <https://health.economictimes.indiatimes.com/tag/human+clinical+trial>

<https://health.economictimes.indiatimes.com/tag/covid-19+vaccine> .Trial of Covishield vaccine around 150 -200 number of Volunteers - <https://health.economictimes.indiatimes.com/tag/covishield> R& D by Oxford University - <https://health.economictimes.indiatimes.com/tag/covishield> <https://health.economictimes.indiatimes.com/tag/oxford+university> .

**Challenges of Matthew Duchars** , CEO of U.K vaccine production centre in large scale - <https://nature.us17.list-manage.com/track/click?u=2c6057c528fdc6f73fa196d9d&id=f0b734c7c1&e=5944515236> .

The most important part of **reliability study - Randomized Control trial test about safety** and clinical effectiveness of Covid19 - clinical effectiveness of Covid19 - <https://nature.us17.list-manage.com/track/click?u=2c6057c528fdc6f73fa196d9d&id=2ae67ba1fa&e=5944515236> NIH does not warrant to recover from Covid19 by convalescent plasma therapy - <https://nature.us17.list-manage.com/track/click?u=2c6057c528fdc6f73fa196d9d&id=5fc39912ba&e=5944515236> .

The **Gold -standard trial** with a large number of recovery are going on U.K - <https://nature.us17.list-manage.com/track/click?u=2c6057c528fdc6f73fa196d9d&id=ce9facdafd&e=5944515236> .

Due to suspected untoward effect in U.K .- **Oxford - Astrazeneca - Vaccine trial stopped** -<https://nature.us17.list-manage.com/track/click?u=2c6057c528fdc6f73fa196d9d&id=3936dcb3a8&e=5944515236>.

**Serum Institute of India ( SII )** get noticed to continue vaccine trials for Phase-2&3 -DGCA - <https://health.economictimes.indiatimes.com/tag/serum+institute+of+india> The criticism of AZ vaccine trial is not transparent - <https://nature.us17.list-manage.com/track/click?u=2c6057c528fdc6f73fa196d9d&id=810df3b059&e=5944515236> .

Whether Recovered patient having **sufficient antibody** - Preprint Characterization of neutralizing versus binding antibodies a. . . Immunity & vaccine - great query - Without adequate immunity how a vaccine works ?- <https://nature.us17.list-manage.com/track/click?u=2c6057c528fdc6f73fa196d9d&id=7e971950ba&e=5944515236> .

**James Hamblin** ( Physician Scientists ) - about **Herd Immunity** - <https://nature.us17.list-manage.com/track/click?u=2c6057c528fdc6f73fa196d9d&id=a4e83f0894&e=5944515236> .

Antibody **B & T-cells** can kill SARS-COV-2 REF : Credit: KTDesign/SPL ( nature.com ) d41586-020-02400-7 18 278162.jpg Russian Vaccine safe as per Lancet study - ET Health world <https://timesofindia.indiatimes.com/india/coronavirus-india-vaccine-and-cases-news-live-updates/liveblog/77921726.cms> .

**Covid Vaccine is round the corner** - [https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Findustry%2Fis-covid-19-vaccine-round-the-corner%2F77868522&mailer\\_id=0&item\\_id=3897740&dt=2020-09-06&utm\\_source=Mailer&utm\\_medium=ET\\_batch&utm\\_campaign=ethealth\\_news\\_2020-09-06](https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Findustry%2Fis-covid-19-vaccine-round-the-corner%2F77868522&mailer_id=0&item_id=3897740&dt=2020-09-06&utm_source=Mailer&utm_medium=ET_batch&utm_campaign=ethealth_news_2020-09-06) .

**Immunological response of T cells for older pateints** - <https://health.economictimes.indiatimes.com/tag/coronavirus> .

Advise of WHO to India - **COVAX Scheme** - [https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Fpolicy%2Fwho-says-india-in-talks-to-join-covax-vaccine-scheme%2F77988387&mailer\\_id=0&item\\_id=3911320&dt=2020-09-08&utm\\_source=Mailer&utm\\_medium=ET\\_batch&utm\\_campaign=ethealth\\_news\\_2020-09-08](https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Fpolicy%2Fwho-says-india-in-talks-to-join-covax-vaccine-scheme%2F77988387&mailer_id=0&item_id=3911320&dt=2020-09-08&utm_source=Mailer&utm_medium=ET_batch&utm_campaign=ethealth_news_2020-09-08) .

Al-though the **trial of AZ vaccine in UK** has been **stopped but Moderna Inc.** and the other by **Pfizer** and Germany's **BioNTech.** have carried out the vaccine trial of nal stage tests in U.S - <https://health.economictimes.indiatimes.com/tag/astrazeneca> .

**CanSino Covid Vaccine trial - 3RD phase in Pakistan** - [https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Fpharma%2Fcansino-phase-3-covid-19-vaccine-trial-in-pakistan-expected-to-begin-this-month%2F78019075&mailer\\_id=0&item\\_id=3914322&dt=2020-09-10&utm\\_source=Mailer&utm\\_medium=ET\\_batch&utm\\_campaign=ethealth\\_news\\_2020-09-10](https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Fpharma%2Fcansino-phase-3-covid-19-vaccine-trial-in-pakistan-expected-to-begin-this-month%2F78019075&mailer_id=0&item_id=3914322&dt=2020-09-10&utm_source=Mailer&utm_medium=ET_batch&utm_campaign=ethealth_news_2020-09-10) .

#### SUMMARY FROM DISCUSSION LINK :

1. AZD1222-A decision is taken by the panel of expert of AZ Pharma willreview the unexpected of UK pateints - <https://health.economictimes.indiatimes.com/tag/unexplained+illness> For Immunity booster -new formulation based on Zinc Gluconate and naturalVitamin C coming from Acerola Cherry for boosting immunity -To accelerate vaccine work<https://health.economictimes.indiatimes.com/tag/covid-19+drug>.

2. Covid19 Vaccine is totally unpredicted[https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Findustry%2Ftaking-the-good-with-the-bad-how-potential-covid-19vaccines-offered-hope-and-disappointment%2F78069594&mailer\\_id=0&item\\_id=3919885&dt=2020-09-12&utm\\_source=Mailer&utm\\_medium=ET\\_batch&utm\\_campaign=ethealth\\_news\\_2020-09-12](https://health.economictimes.indiatimes.com/l.php?url=https%3A%2F%2Fhealth.economictimes.indiatimes.com%2Fnews%2Findustry%2Ftaking-the-good-with-the-bad-how-potential-covid-19vaccines-offered-hope-and-disappointment%2F78069594&mailer_id=0&item_id=3919885&dt=2020-09-12&utm_source=Mailer&utm_medium=ET_batch&utm_campaign=ethealth_news_2020-09-12)

3. A venture of Serum Institute ofIndia<https://health.economictimes.indiatimes.com/tag/serum+institute+of+india>

4. Whether Mask is an equivalent Vaccine -<https://www.webmd.com/lung/news/20200909/couldyour-mask-be-a-kind-of-vaccine-against-covid-19>

5. CPT( Consultant plasma therapy ) -Not effective to reduce the mortality of severe Covid-infection <https://www.webmd.com/lung/news/20200909/could-your-mask-be-a-kind-of-vaccine-against-covid-19>" Variolation "of SARS-COV-2 -Waiting for a vaccine -10.1056/NEJMp2026913
6. Immunological response of Covid Vaccination -SARS , MERS Epidemic .
7. Article Immune responses in COVID-19 and potential vaccines: Lessons. Activated Vit-D for better Immunity .
8. Military Growing policy through vaccine research in China <https://www.nature.com/articles/d41586-020-02523-x> .
9. Chemist Martin Brooke has developed a unique test of Covid for students of Illinois University but the infection of the Spike protein can't be stopped -<https://www.npr.org/sections/healthshots/2020/08/15/902616040/can-testing-students-for-coronavirus-twice-a-week-prevent-campus-outbreaks> .
- 10 .Please look back on Gam-COVID-Vac -<https://www.raps.org/news-and-articles/news-articles/2020/3/covid-19-vaccine-tracker>
11. The third trials of AZ resumes trial in U.K-<https://www.hindustantimes.com/worldnews/suspension-of-astrazeneca-covid-19-vaccine-trials-showed-fallacy-of-approach-rd-if-ceo/story-rw09PX3WZQAKo1onyT6WEL.html>
12. COVISHIELD trial -<https://www.timesnownews.com/health/article/covishield-update-oxford-covid-19-vaccine-likely-to-be-the->

## 5. Conclusion

Social consciousness to be developed for better lifestyle more immune to us against viral attack or antibody generation . Immunity is surely surely correlated for vaccination or immunological biotechnology of SARS-COV-2 infection . The above discussion links are showing a great effort of a potent Covid -vaccination with **appropriate clinical safety and efficiency trial** .

### Reference ( Including self Citation ) :

1. Covid19 : The specs from Immunity - Datta Jaydip - <https://encyclopedia.pub/1427> .

2. **Datta J , researchgate.net ( RG )**

2.1) Do We believe that spreading & death of people by Covid 19 is due to severe damage of Environmental Sustainability ?

( Started April 7 ) .

2.2) How Drugless therapy helps us to Improve our health as well as to prevent Viral attack ? ( Started February 28 ) .

2.3) Shall we believe that the Covid19 has asymmetric characteristics of Malaria and Crown virus ? ( Started May 1 ) . What is Malnutrition - Do You agree it is a Global Problem particularly in the Third world countries ? ( Asked December 11, 2019 ) .

2.4) What is GREEN HEALTH ? ( Asked December 1, 2019 ) .

2.5) What is Food adulteration - Is it a Big Problem ? ( Asked November 11 , 2019 ) What is balanced diet - Will You support that it is essential to fight against COVID-19 ? ( Asked November 7 , 2019 ) .

2.6) What do you prefer to take ANIMAL or VEGETABLE protein under attack of corona virus ? ( Asked October 28 , 2019 ) . Mental Frustration during LOCKDOWN period of Covid19 is more prone towards infection Share your feelings ? ( Asked December 19 , 2019 ) .

2.7) What is SLEEP ? ( Asked October 9 , 2019 ) Your favourite food as Anti-Oxidant - Let us discuss ? ( Started September 27 , 2019 ) TEA or COFFEE - Which one is good for health ? ( Started October , 29 , 2019 ) .

3. HEALTH & ENVIRONMENT: A SOCIOLOGICAL CONSCIOUSNESS ( Preprint ) , researchgate.net ( RG ) -Datta J . November 2019.

4. BALANCED DIET & ADULTERATION : An Impression ( Experimental Findings ) , researchgate.net ( RG ) -Datta J , February 2020 .

5. Nature@newsletter.nature.com.

6. newsletter@ethealthworld.com.

7. [https://www.researchgate.net/post/Covid19 Vaccination-How far How long](https://www.researchgate.net/post/Covid19_Vaccination-How_far_How_long) - Datta Jaydip .

8. [https://www.researchgate.net/post/What is fate of Clinical Ethics in case of Final trial of a New Drug](https://www.researchgate.net/post/What_is_fate_of_Clinical_Ethics_in_case_of_Final_trial_of_a_New_Drug) - Datta Jaydip .

9. [https://www.researchgate.net/post/Whether Bio-Technological Research is essential to develop our nation including the threats of Corona Virus-How](https://www.researchgate.net/post/Whether_Bio-Technological_Research_is_essential_to_develop_our_nation_including_the_threats_of_Corona_Virus-How) - Datta Jaydip .

10. [https://www.researchgate.net/post/Let us Discuss something about Reproducible research technique including COVID 19](https://www.researchgate.net/post/Let_us_Discuss_something_about_Reproducible_research_technique_including_COVID_19) - Datta Jaydip .

11. [https://www.researchgate.net/post/What is our Knowledge or Updates about Covid19-Its source development measurement](https://www.researchgate.net/post/What_is_our_Knowledge_or_Updates_about_Covid19-Its_source_development_measurement) - Datta Jaydip.

12. Covid19 Vaccine development ( ? ) { News update ( Preprint article ) , Datta Jaydip , figshare.com , Sept , 2020

13. [https://www.researchgate.net/post/What is fate of Clinical Ethics in case of Final trial of a New Drug](https://www.researchgate.net/post/What_is_fate_of_Clinical_Ethics_in_case_of_Final_trial_of_a_New_Drug) , Jaydip Datta

---

Retrieved from <https://encyclopedia.pub/entry/history/show/7423>