

## Only Environmental Science Act as Natural Bio-medicine Preventive Epidemic Model of 21<sup>st</sup> Century Pandemic Diseases

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### Introduction

Many 'Viral Epidemics Human Challenges' has been faced from past two decades like the 'Midst of 5th Pandemic COVID-19, coming from animals', effects on environmental science, more than 88 million infections and more than 1.8 million death of human lives, human-civilization, agriculture, global socio-economy, health-travel-education, and clinical-research, professional and social life, and increases long term neurological-effects causing the risk of cognitive decline and dementia later in life also in the world. The low-income-households, senior-citizens, and street-children are not able to manage. So the scientists and engineers all over the world collectively have been tried to speedily develop proper cost-effective allergic-free vaccines against novel coronavirus for total global recovery by initiative policy, and the Government of India has necessitated to the formulation of a new outlook and strategy for Science, Technology, Innovation and Policy (STIP) by the way of its decentralized, bottom-up and inclusive design process aims to strategize priorities, sectorial focus and methods of research and technology development for larger socio-economic welfare, based on the theme "Vision 2040" that would help policymakers, and the global public and private partnerships may allow more entities 'Common Goals' for the effective advancement of science and technology- 'Innovative Partnership' and fulfill the objectives and resources that would retain the human civilization's in the 'Old or New Normal Forms'.

India emphasis as a preventive measure against diseases on consumption of different essential and important nutritious weeds, vegetables and fruits like amaranth, okra, cowpea and cucumber etc., as well as traditional medicine, the "Nature's Gift" to human disease-free healthy-life, is naturally infected with many diseases, significantly reducing food-production. Although pesticides are the most effective means of control, but they are not, cost-effective, and environment-friendly, creating different health hazards, and climatic changes that impact the global economy also. Many biomedicine or bio-agents or bio-pesticides or phytomedicines are very much effective and useful for controlling different diseases caused by pathogens, including SARS-CoV-2/COVID-19, causing some problems by decreasing natural resources, biodiversity conservation, and not always cost-effective. Then, the use of 'Homeopathy' may solve all the problems. But it has some cost. Then, to overcome the present epidemic COVID-19 disease, it is planned for greater prevention to intercropping would help in identifying the "Susceptible Traditional Catch Vegetable Fruits Crop Biomedicine Plants" for possible control of plant diseases caused by different pathogens, by boosting the human immune system. But it is not successful in all cases.

Now it is focused on the young (students) local Non-Governmental-Organizations (NGO) take initiatives or emphasis on different activates, suggests that their different human-resource-creating green effective actively acts as a 'Social-Vaccine-COVID-19 Epidemic-

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Models' for the best of humanity to overcome COVID-19's spread and protect us all. It is noted that NGOs are deeply rooted in local communities are best positioned to lead long term plans to stop COVID-19, and the NGOs are the closest to the community and will need to help for the most effective service right now, and NGO will enrich their fund by public-donation as well as Government-grants, which will help to more activities in the communities around the world so that they are all better equipped to face any future COVID-19 outbreaks, and it will be one of the milestone events amidst many important changes in the past decade that have necessitated formulation of a new outlook and strategy for Science-Technology-Innovation-Policy (STIP), the future "NGO-Potential-Policy-Developer-Social-Vaccine-COVID-19-Epidemic-Models." But it has also some drawbacks.

So it is emphasized on the environmental sciences, agriculture, socio-economic, civil engineering, and conservation of biodiversity, for preventive measures against "21<sup>st</sup>-century various human diseases like COVID-19 Pandemic". In the last birth anniversary of Hon'ble Ex-President, Late Dr. APJ Abdul Kalam, the Government of India has been declared as Rashtriya Avishkar Saptaha-2020, and the Ministry of Education, has set up the "Rashtriya Avishkar Abhiyan (RAA)" at the school level for the joyful and meaningful encouragements, and engagements, and the creative activity, to nature, innovations and use of technologies, which fulfills the Nation Education Policy emphasis on 'Experimental Learning' for the common issues like the proper uses, reuses and conservation techniques of water, the 'Jal Sakti Abhiyan – emphasis by the Hon'ble Prime Minister' and reduced of carbon emission. And the Kanchannagar D.N.Das High School (HS), Bardhaman, West Bengal, India, set up different experiments on the conservation of "Water auditing and Calculation of carbon footprint", which directly or indirectly effects on environmental sciences, agriculture, socio-economic and biodiversity, by proper use or reuse of water and resisting emission of Co<sub>2</sub>.

It is concluded or suggested that rural and urban areas, constructs or set up different types of the attic artificial nest, rainwater harvesting with fishery and floating gardening covered by wired-net with artificial nest, shaded by solar-panel supplying electricity for oxygen-producing motor in water, OR rooftop-/vertical-gardening with multiple-intercropping attached with 'Bird's-/ Sky-Observer Box-shaped Balcony', forming the common complex ecosystem on ecology food-chain relationships issues, and nutritious kitchen garden management, micro-and macro- climate issues, and also community health also, and act as the "Only Environmental Science Act as Natural Biomedicine Preventive Epidemic Model of 21<sup>st</sup> Century Pandemic Diseases!", which improved biodiversity, agriculture, civil-engineering, Science-technology-communication, socio-economy-welfare, developing the future policy; the theme "Vision-2040" that would retain the human civilization's in old-forms because "Happiness brings good health and wellbeing with the help of civil engineering and environmental biologist".

It's worth mentioning that only the barn owls plays the role of the simplest carnivore, predated on mongoose juveniles and bats, the carrier of coronavirus, again confirming the "Biological and Bio-System Engineering Owl Controlled COVID-19 Engineering Biomechanical Biomedical Science Technology Communication Enriched Agriculture Environment with Joyful Environment and "Bat Secrets of Immunity Could Confirm the Clues to Treating-COVID-19", and we should have to change our attitude for the environmental sciences.