



Owls and Bats Act as Future ‘Wild X-Disease’ Preventive COVID-19 Non-Medicated Vaccine: Improved Global-Health-Forestry-Agriculture-Environment-Science-Technology-Communication!

By Dr. Subhas Chandra Datta

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Abstract- The emergence of infectious pathogens with epidemic and pandemic potential like “Severe acute respiratory syndrome (SARS), middle east respiratory syndrome (MERS), influenza, Ebola, Marburg, Lassa, Nipah, and Zika for the last 30 years, and the current COVID-19 disease caused by coronavirus-2 (SARS-CoV-2), is highly infective, causing severe acute, long-term illness that affects the global public health and economic threats”. Still, now no ‘Buster-Dose-Vaccine’ is discovered. On the other hand, food production forests, agriculture, and horticulture significantly reduce different pest attacks. So, to tackle and overcome both, the naturally growing “Wildlife-Conservation-Project of ‘Wild Barn Owl and Bats’ in the two Heritage-Schools” forming a ‘Complex-Typical-Ecosystem’ in the food-chain-relationships-landscaping, controlling the different pests in the forest, horticulture, agriculture, and pisciculture, etc.

Keywords: *owls-and-bats; future-wild x-disease; preventive-covid-19-non-medicated-vaccine; improved-global-health-forestry-agriculture-environment-science-technology-communication.*

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I. INTRODUCTION

The last 30 years have faced various infectious diseases like severe acute respiratory syndrome (SARS), middle east respiratory syndrome (MERS), influenza, Ebola, Marburg, Lassa, Nipah, Zika, and now SARS coronavirus 2 (SARS-CoV-2), causing epidemic and pandemic, and impact on global public health and economy. The emergence of the future "X-Disease" depends on multiple forces like climate change, ecosystem changes, and increasing urbanization, and we have to be ready for future "X-Disease" [1]. Still now, in the New York Times, the first week of October 2021, Wolfe J. (Figure 1) reported that the U.S. is about to reach more than 700,000 deaths from Covid-19. The last more than 100,000 people to die passed away months after vaccines were American adults, and the majority of unvaccinated Americans in recent months, they also analyzed that the people who died in the last three and a half months for the spreading widely 'Delta mutant variant' in the South lagging in vaccinations. And, recently during the eve of 'Durga Puja' in Purba Bardhaman, West Bengal, India (Figure 1), on 12th-October 2021 showed that the total COVID-19 positive cases are 40157, the total number of discharge cases were 39340, the total number of COVID-19 death is 479, rate of recovery was 97.97% respectively, and rate of mortality was 1.19%. The distribution of COVID positive patient in Burdwan Municipality was 10. And the recent trend is slightly increasing COVID 19. So, it is an urgent need to find out policy-initiative, cheap, and non-pollutant strategies to develop future support and treatments of COVID-19.

II. MATERIALS AND METHODS

According to the Imperial Gazette of 1810, there were two English Medium Schools with Dispensary in Burdwan; Burdwan Raj Collegiate School (HS) and Kanchannagar D N Das High School (HS), Burdwan Municipality, Purba Bardhaman-713102, West Bengal, India, (Plate 1), the oldest area, where the temperature



The world will remain in the old form, and the "Wild Owls and Bats Act as Future Wild X-Disease Preventive COVID-19 Non-Medicated Vaccine: Improved Global-Health Forestry-Agriculture-Environment Science-Technology-Communication", and worlds become retained in old form developing education and research in the new normal situation. It needs the "Wildlife Conservation Approach" [1-9].

V. CONCLUSIONS

Here, the wild barn owls and bats not only control the different pests in forestry, horticulture, agriculture, and pisciculture, etc., increasing food production, but also plays a vital role in preventing the high rate of morbidity and mortality, showing the "Wild-Owls and Bats Act as a Natural-Booster-Community-Vaccine against COVID-19", and developing effective life-saving immune modulatory therapies by improving natural-immunities, and provides "Preventive-Community-Health-Clinical-Research-Education-and-Enriched-Wildlife-Biodiversity-Conservation-Agriculture-Forestry-Environments-Socioeconomy-and-Science-Technology-Communication-Application-Issues with Joyful-Learning-Environment-with-Human-Health-Ecology, and Food-Chain-Relationships, and Community-Health". So, wildlife conservation may be the "Future Preventive Epidemic COVID-19 Model" enriching "Forestry Horticulture Agriculture Environment Health Biodiversity Science Technology Communication Application Issues", and worlds become retained in old form developing education and research. It needs the "Wildlife Conservation Approach" and human, animal, and environmental interactions to prevent any kinds of "X-Disease."

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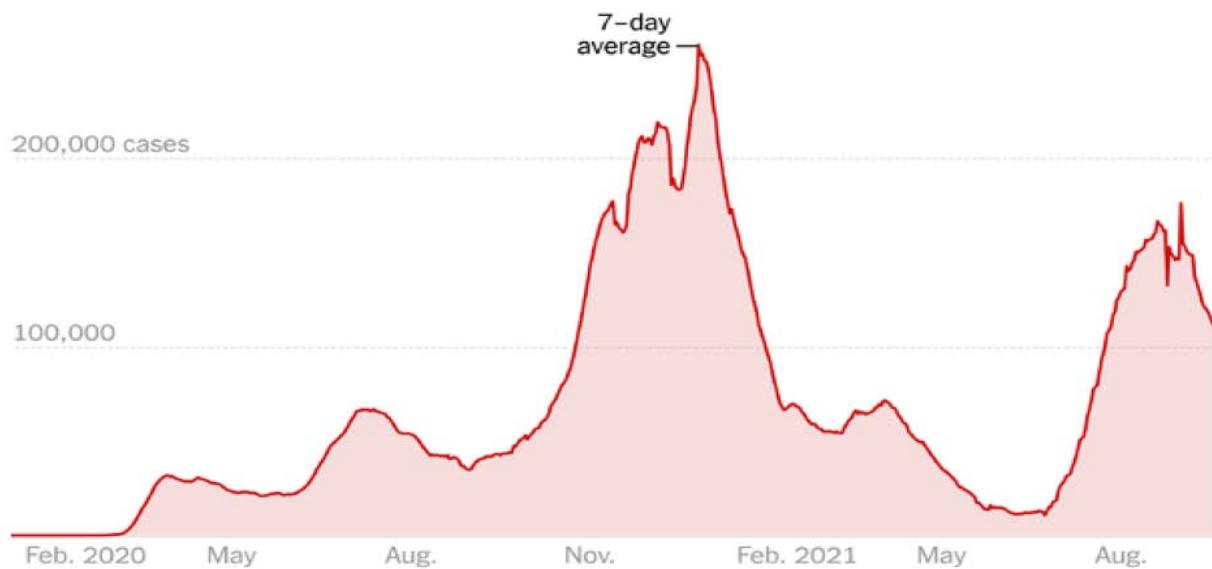
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Conflicts of Interest Statement

The author declared that he has no conflict of interest regarding the research work.

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Daily Press Briefing

Purba Bardhamā

Date: 12/10/2021 (Up to 5:00 P.M.)

(Report to be send by 7.00 P.M Daily)

Part - I: Related to COVID-19

i)	Total No. of COVID Positive Patients found on the day of reporting *	: 28
ii)	Total no of COVID positive patients**	: 40157
iii)	Total no of active patients as on today***	: 338
iv)	Total no of discharged cases	: 39340
v)	Total no of COVID death recorded	: 479
vi)	Rate of Recovery# (Percentage)	: 97.97
vii)	Rate of Mortality# (Percentage)	: 1.19
viii)	Current Positivity Rate (last 7 days)# (Percentage)	: 1.95
▪ Testing status : RTPCR + RAT		
ix)	Total no of Sample collected	: 761182
xii)	Total no of Sample tested	: 760821
xiii)	Total no of Positive cases	: 34234 (+53 repeat +ve)
xiv)	Total no of negative Cases	: 726534
▪ Containment Zone status :		
xv)	Total no of Containment Zone as on today	:
xvi)	Total no of containment withdrawn	:
▪ Analysis of Positive Persons Details : On date – Positive-		
xvii)	Total No. of Migrant (Other State + Other Dist. of WB):	: 00
xviii)	No. of Persons in Safe House:	: 00
xix)	No. of Person in Covid Hospital:	: 02
xx)	No. of Persons in Home Isolations:	: 26
Report on Sample Collection and Testing(On Date):		
xxiii)	Antigen Test	: 568
xxiv)	RT-PCR Test	: 315
xxv)	Test Result within 24 Hrs.	: 658 (RAT-568+ RTPCR-99)

Part- II:

Distribution of COVID Positive Cases found on 12/10/2021

Aushgram-I	0	Galsi-II	0	Ketugram-I	0	Mongolkote	0	Burdwan Municipality	10
Aushgram-II	0	Jamalpur	1	Ketugram-II	0	Purbasthali-I	1	Dainhat Municipality	1
Bhatar	1	Kalna-I	1	Khandoghosh	0	Purbasthali-II	0	Guskara Municipality	0
Burdwan-I	2	Kalna-II	0	Manteswar	0	Raina-I	0	Kalna Municipality	1
Burdwan-II	2	Katwa-I	0	Memari-I	2	Raina-II	0	Katwa Municipality	1
Galsi-I	0	Katwa-II	1	Memari-II	1	Other District	3	Memari Municipality	0

Analysis on COVID +Ve Cases on 12/10/2021		*COVID Positive as on today	**Total Positive Cases
Type	Symptomatic	02	4229
	Asymptomatic	26	35928
	Total	28	40157
Contact Analysis	Primary Contact	01	1592
	Travel from High Burden Dist. of W.B.	00	217
	Travel from Other State	00	435
	No Travel History	27	37913
Total		28	40157

Figure 1: COVID-19 report of the United States, seven-day average in the 1st week of October 2021 in The New York Times, and of Purba Bardhaman District from 12th October 2021

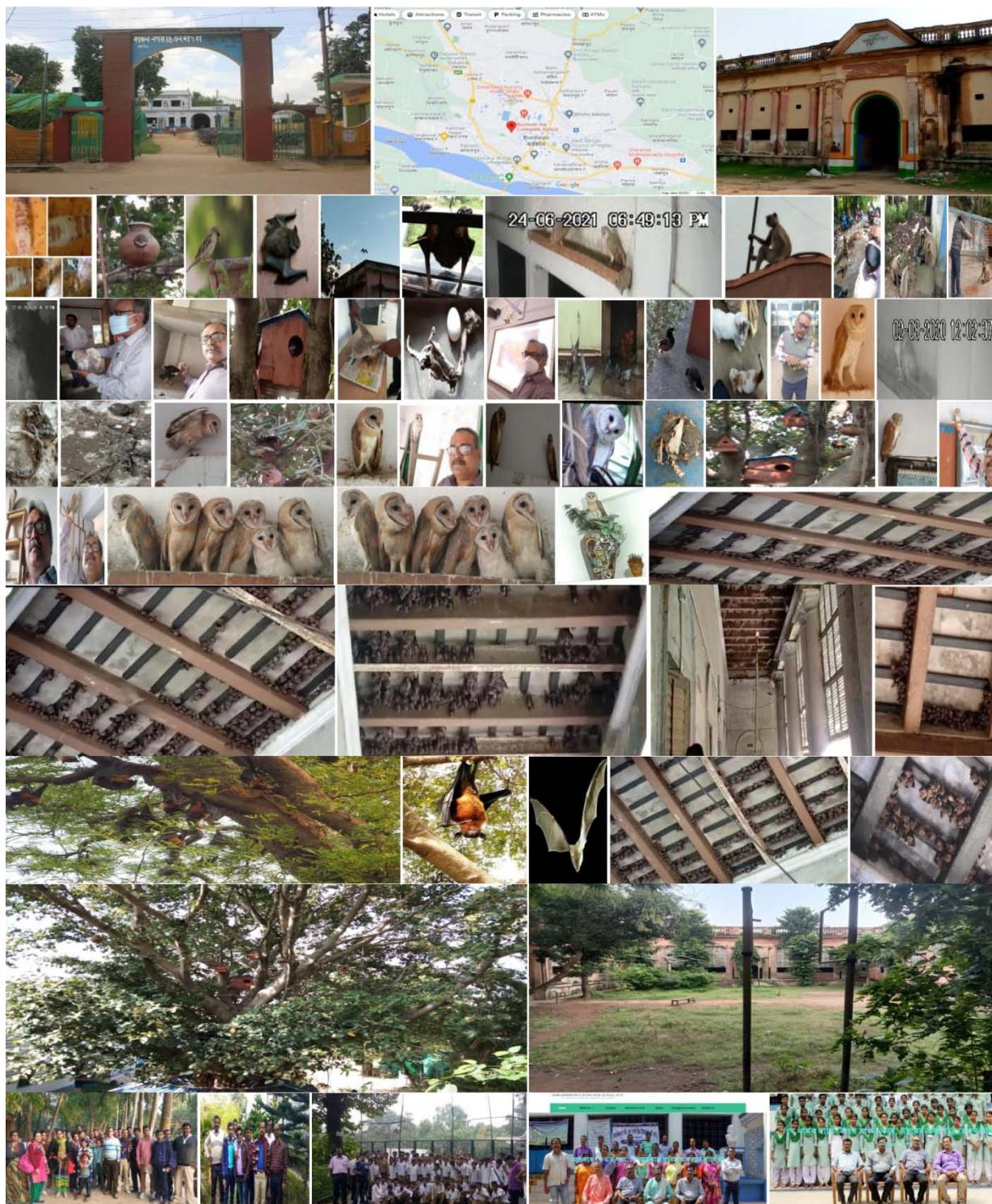


Plate 1: Activities of wild barn owls and bats in the two heritage schools Kanchannagar D. N. Das High School (HS) and Burdwan Raj Collegiate School (HS) during COVID-19 periods