

Only Pharmacy-and-Drug-Innovations Can Steady-Reopen Different Research-Educational-Institutions Immunization Against 'Future A to Z Diseases': Advanced Scientific-Community-Global-Health-Ecology Agriculture-Environment-Science-Technology-Communication-Applications-Socio-Economy

Subhas Chandra Datta^{1,2*}

¹PhD, Department of Zoology, VisvaBharati University, West Bengal, India

²Headmaster, Secretary and Researcher, Kanchannagar D N Das High School (HS), West Bengal, India.

Article Info

Received: February 16, 2022

Accepted: March 16, 2022

Published: March 23, 2022

***Corresponding author:** Subhas Chandra Datta, Headmaster & Secretary, Kanchannagar D. N. Das High School (HS), Kanchannagar, Burdwan-713102, West Bengal, India.

Citation: Subhas Chandra Datta (2022) "Only Pharmacy-and-Drug-Innovations Can Steady-Reopen Different Research-Educational-Institutions Immunization Against 'Future A to Z Diseases': Advanced Scientific-Community-Global-Health-Ecology Agriculture-Environment-Science-Technology-Communication-Applications-Socio-Economy". *J Pharmacy and Drug Innovations*, 3(3); DOI: <http://doi.org/03.2022/1.1045>.

Copyright: © 2022 Subhas Chandra Datta. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Abstract

Recently, Long-Covid-19 caused by severe-acute-respiratory-syndrome-coronavirus-2 (SARS-CoV-2)-OR-'Omicron-/-Deltacrone-/-Rupacrone-Futurcnone-Like-Mutant-Variants', is badly affected from kids to adults who are fully-vaccinated, impacting on 'Educational-Research-Institutions-Scientific-Community-Global-Health-Ecology-Agriculture-Environment-Science-Technology-Communication-Applications-Socio-Economy', and still, no effective 'Vaccine' is discovered for, 'Long-Covid-19'. Now, the main aims-and-objectives of the current studies are to observe, report and confirm; the biomedicines-Ginger-MT, prepared from the rhizome of ginger, *Zingiber officinale* Rosc., at-an-extremely-low-doses as, at-random different types of clinical-treatments; mouthwash/gargle, oral, nasal, chewing gum, chocolate, powder/dust, and vapor, with the biomedicines-Ginger-MT-Soaked-N95-Mask in the different-COVID-19-infected areas of Burdwan Municipality, for the "Steady-Reopen of Different-Research-and-Educational-Institutions". And it is showing the potentiality of 'the biomedicines-Ginger-MT' again as a 'Preventive-Natural-Gifts' from some randomized-typical-cases against the 'Omicron-Deltacron-Rupacron-Bodhicion...Futuracron-like-any-new-variants', and 'Other-Diseases' by increasing natural-immunity. It will confirm again, "Only the Pharmacy-and-Drug-Innovations of Biomedicines-Ginger-MT Can Steady-Reopen Different Research-Educational-Institutions Immunization Against 'Future-A-to-Z-Diseases' Advancing Scientific-Community-Global-Health-Ecology-Agriculture-Environment-Science-Technology-Communication-Applications-Socio-Economy". In future from the basic-clinical-exploration-research, the combined-biomedicines of common Ginger-MT and black Ginger-MT, may consider the development of new-systems-methods-techniques, drug-design-discovery-specificity-formulation, optimizing-dosage-regimen, drug-delivery-systems-regulation, personalized-emergency-medicine, pharmacogenomics-pharmacokinetics-pharmacodynamics, analytical-sciences-nanotechnology, therapeutic-aspects, quality-control, drug-evaluation of safety and toxicity of drug-molecules, regulatory-medical-science with computational-approaches.

Keywords: Pharmacy-Drug-Innovations; Steady-Reopen-Research-Educational-Institutions; Immunization; Future-A-to-Z-Diseases; Advanced-Scientific-Community-Global-Health-Ecology

Introduction

Recently, Long-Covid-19 caused by severe-acute-respiratory-syndrome-coronavirus-2 (SARS-CoV-2)-OR-'Omicron-/-Deltacrone-/-Rupacrone-Futurcnone-Like-Mutant-Variants', is badly affected from kids to adults who are fully-vaccinated, impacting on 'Educational-Research-Institutions-Scientific-Community-Global-Health-Ecology-Agriculture-Environment-Science-Technology-Communication-Applications-Socio-Economy', and in some individuals, the scientists found clinically significant levels of the SARS-CoV-2 virus for as long as 68 days with age-dependent effects in the transmission and control of COVID-19 epidemics, and in rare cases, coronavirus vaccines may cause Long-Covid-like symptoms also, and the virus has resulted in more



than 412 million infections and over 5.8 million deaths due to lack of vaccines (Figure 1) and we are gasping for air, and only in 2019, more than 1.2 million people dying from drug-resistant, a "Hidden-Pandemic" that could emerge in the wake of Covid-19, and the Covid-19 pandemic continues into 2022 [1-5]. The evolutionary forces that drove the emergence and rapid spread of SARS-CoV-2 depend on the virus's ancestors, and the patterns of genetic variation consistent with positive selection [6]. And the Covid-19 pandemic drags on. Clinicians and health care leaders everywhere have been severely challenged through the multiple waves in different ways — to care for patients ill with the new virus, to care for patients with other needs, to provide vaccinations and treatments, and to confront exhaustion and staff shortages among care teams, and badly impacts on the Globe with the effectiveness of Covid-19 vaccines against this emerging SARS-Cov-2 variant Omicron. Recently, many Covid-19 vaccines relying mainly on S-proteins have been prepared, but the SARS-CoV-2 virus escapes host immunity, the effectiveness of existing

Covid-19 vaccines against the new variants needs to be addressed [5-7]. So, it is urgency to develop the 'Universal-Preventive-Emergency-Booster-Vaccine for All' to prevent and tackle the awkward situation for removing 'immunotoxicity, neurotoxicity and drug toxicity [8,9]. And it has been already found that the Ginger-biomedicines, prepared from the rhizome of ginger, *Zingiber officinale* Rosc. (Plate 1), are highly effective against coronavirus controlling-COVID-19, and other diseases by increasing natural immunity [9-15]. Now, the main aims-and-objectives of the current studies are to observe, report and confirm; the biomedicines-Ginger-MT, prepared from the rhizome of ginger, *Zingiber officinale* Rosc., at-an-extremely-low-doses as, at-random different types of clinical-treatments; mouthwash/gargle, oral, nasal, chewing gum, chocolate, powder/dust, and vapor, with the biomedicines-Ginger-MT-Soaked-N95-Mask in the different-COVID-19-infected areas of Burdwan Municipality, for the "Steady-Reopen of Different-Research-and-Educational-Institutions".

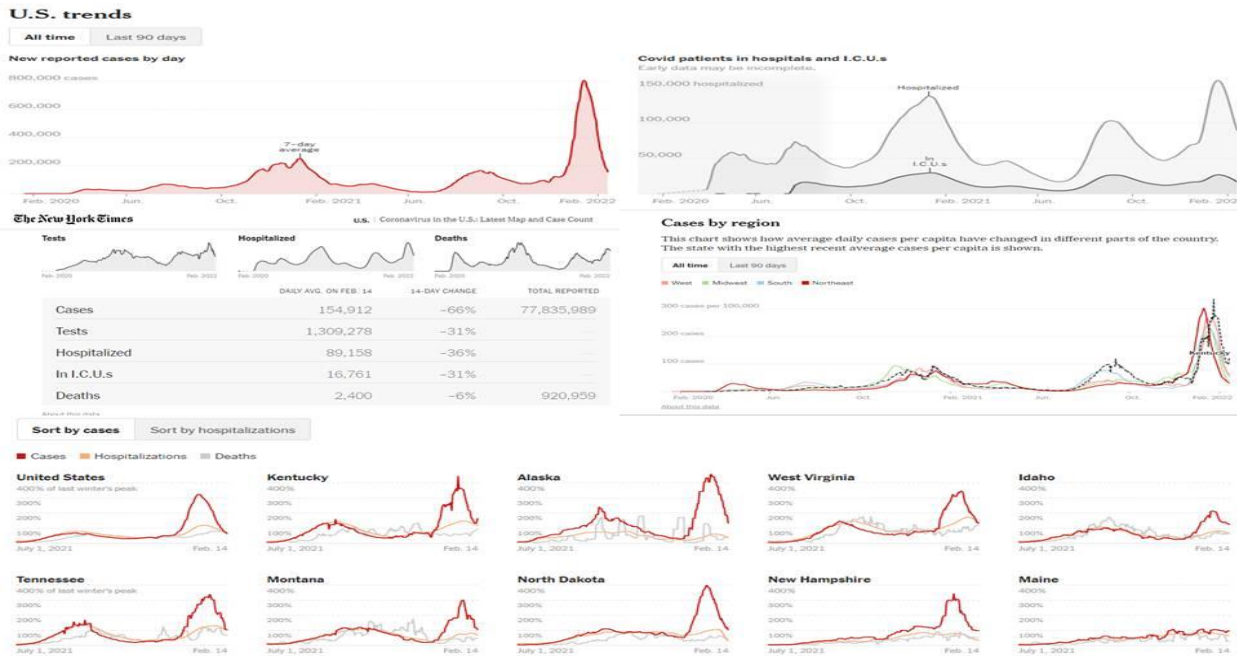


Figure 1: Covid -19 report of United States, and the “Russian flu” (The New York Times, February 15, 2022)



Materials and Methods

Preparation of High-Diluted Biomedicines MT

The high-diluted common-Ginger MT-Biomedicine (HDCGMTBM) was prepared from air-dried powdered rhizomes (Plate 1) of the ginger rhizomes; *Zingiber officinale* Rosc., extracting with 90% ethanol, forming residue which was diluted in 90% ethanol at 1mg/ml concentration, and prepare the high-diluted-Ginger MT-Biomedicine (HDGMTBM) [9-15].

Preparation of Powder-High-Diluted-Ginger-MT-Biomedicines

The powder of high-diluted common-Ginger-MT-Biomedicine (PHDCGMTBM) was prepared from air-dried powdered (Plate 1) of the ginger rhizomes, *Zingiber officinale* Rosc., extracting with 90% ethanol [9-15].

Preparation of Liquid-Ultra-High-Diluted Biomedicines

The ultra-high-diluted common-Ginger-Biomedicines-Liquids (UHDCGBML); Ginger 30C, Ginger 200C, and Ginger 1000C, were prepared from a few drops of a liquid potency of Ginger 30C, Ginger 200C, and Ginger 1000C [9-15].

Preparation of Globules-Ultra-High-Diluted Biomedicines

The ultra-high-diluted common-Ginger-Biomedicines-Globules (UHDCGBMG); Ginger 30C, Ginger 200C, and Ginger 1000C, were prepared by soaking the few drops of a liquid potency in the proportion of 7.2 mg globules/ml of Ginger 30C, Ginger 200C, and Ginger 1000C [9-15].

Clinical Samples

The clinical samples were the different families of different communities as samples of the Burdwan Municipality, Purba Bardhaman District, West Bengal, India [9-47] and all the information was counted for statistical analysis by the analysis of variance 'ANOVA' (P<0.01).

Duration

The duration of clinical-treated samples of the Burdwan Municipality from the onset of COVID-19, 22nd-March 2020 to the fast-spreading of COVID-19, 22nd-January 2022 [9-47].

General Treatments Supports

Under the financial support and assistance of the Hon'ble District Magistrate of Purba Bardhaman, and the Hon'ble Chief Medical Officer, Burdwan Medical College, and Hospital and (BMCH AND CMOH) provided the rapid antigen kits for the COVID-19 infected and comorbid patients, the treatments and visits were done at random in the different sample areas by the Hon'ble treating doctors of; Dr. Dipanwita Malick, MBBS, and eminent Senior Consultant Physician, Dr. Ranjan Mukherjee, M.B.B.S., M.D., District Coordinator of Sishu Sathi Scheme at Department of Health and Family Welfare, Purba Bardhaman, Burdwan-713102, West Bengal, India with the help of; the Hon'ble

Secretary, Mr. Rakesh Khan, M.A., B.Ed., (Gold Medalist), and the Hon'ble President, Mr. Subhendu Bose, with all Young Green-Members of the —International NGO named Burdwan Green Haunter and Students' Goal, the secondary- and higher secondary-students, and the energetic community volunteer [23,48]. The whole schedule was guided and led by Dr. Subhas Chandra Datta, Headmaster, Secretary, Coordinator, and Researcher of Kanchannagar D.N.Das High School (HS), and the treatment was randomized by using a completely randomized block design and guidance, and the rest of the general sample 100%-communities of Purba Bardhaman District, were treated as 'Control Treatments Groups (01year to 99 years)' [9-48], and all the information was counted for statistical analysis by the analysis of variance 'ANOVA' (P<0.01).

Clinical Symptoms

The observation of the main clinical symptoms is fever, cough, tiredness, loss of taste or smell, sore throat, headache, aches, and pains, diarrhea, a rash on the skin, or discoloration of fingers or toes, red or irritated eyes, etc. [9-15].

Clinical Doses of Treatments

The clinical doses of treatments were done @ 10-20 drops of the high-diluted-biomedicine Ginger MT (HDBMGMT), is mixed @ 50ml-100ml (a half to a full cup) of moderately hot sterile-distilled-or pure-drinking-water or tea or milk, orally administered at least @ 5-8 times/day at an interval of 1- 2hrs, after taking any kinds of nutritious biomedicine-enriched-foods/juice against naturally occurring coronavirus infections or re-infections, at least 45-60 days before symptom onset OR illness onset (as a vaccine) OR onset of symptoms where patients in hospital-associated COVID-19 infections have been reported (treatments), and the dose may be increased depending on the intensity of diseases in case of treatment advised by doctors [9-47], and all the information was counted for statistical analysis by the analysis of variance 'ANOVA' (P<0.01).

Suggestions for Use of Different Clinical Treatments

Different types of clinical treatments with high-diluted-biomedicine common Ginger MT; mouthwash/gargle, oral, nasal, chewing gum, chocolate, powder/dust, and vaporized, were followed or applied with HDBMGMT –Soaked-N95-Mask for the 'Special-Clinical-Reports' as follows [9-48];

I-Mouthwash/Gargle; were done @ 10-20 drops-HDBMGMT/100-200ml (a full glass) moderately hot drinking water@ 5-8 times/day at an interval of 1- 2hrs.

II-Oral Treatments; were done @ 10-20 drops-HDBMGMT/50ml-100ml (a half to a full cup) drinking-water@ 5-8 times/day at an interval of 1- 2hrs.

III-Nasal Treatments; were collected from 'oral treatment solution' and were done @ 1-2 drops-HDBMGMT/nostril@ 5-8 times/day at an interval of 1- 2hrs.

IV-Vaporized treatments; were done @ 10-20 drops-HDBMGMT/100ml-200ml (1-2 full cup) hot pure water@ 5-8



times-inhalation/day at an interval of 1- 2hrs.

V-Chewing gum Treatments; were prepared with edible gum mixing @ 1-2 drops of HDBMGMT@ 5-8times/day at an interval of 1- 2hrs.

VI-Chocolate Treatments; were prepared with edible sucrose mixing @ 1-2 drops of HDBMGMT@ 5-8times/day at an interval of 1- 2hrs.

VII-Powder/Dust Treatments; were applied / nostril with the tip of just-touching sterilized finger @ 1-2 parts dust of HDBMGMT @ 5-8times/day at an interval of 1- 2hrs.

VIII-Biomedicines-Soaked-N95-Mask; were prepared @ 10-20 drops HDBMGMT/50ml-100ml pure water soaked @5-10 mask.

Observation of Special-Clinical-Case-Reports

All the observations of special remarkable case reports were recorded mainly by the treating doctor, individual, NGO, students, and the different webpage. All the important reports were collected by Dr. Subhas Chandra Datta from the Hon'ble treating doctors of; Dr. Dipanwita Malick, MBBS, and eminent Senior Consultant Physician, Dr. Ranjan Mukherjee, M.B.B.S., M.D., District Coordinator of Sishu Sathi Scheme at Department of Health and Family Welfare, Purba Bardhaman, Burdwan-713102, West Bengal, India [9-54], and all the information was counted for statistical analysis by the analysis of variance 'ANOVA' (P<0.01).

Science Technology Communication Applications

The NGO-Burdwan Green Haunter and Students' Goal with the different communities, scholars, researchers, artists, teachers, staff, community, photographers, different scientists, academicians, clinicians, administrators, institutions, farmers, and media personnel, visited making the news and published in different medical journals [9-54].

Covid Protocols

The school students, NGOs, and different young volunteers organized many social-awareness virtual camps (VC) among the communities in different ways; using masks mandate, cleaning hands with soap, maintaining physical distance, and avoiding touching eyes-nose-mouth, etc. [9-54].

Results

Table 1 showed the special clinical case reports of high-diluted-

biomedicines-Ginger MT as preventive as well as treated biomedicines on family and community against COVID-19 infection or reinfection. The average types of clinical treatments/individual [except last one, control through mid-day meal (MDM)] were; I-Mouthwash/Gargle, II-Oral, III-Nasal, V-Chewing-Gum, VI-Chocolate, VII-Powder/Dust, VIII-Soaked-N95-Mask, and Natural Control (MDM) with age groups 01 to 99 years of the different family and communities treatment- and natural control- group's family members regarding the infection or reinfection of coronavirus-2 / omicron of the families in the community of Burdwan Municipality, Purba Bardhaman, from 22nd-March 2020 to 22nd-January 2022, and all the data were significant difference by the analysis of variance 'ANOVA' (P<0.01). All the treatments of 'high-diluted-biomedicines-Ginger MT' showed an average of more than 72% recovery in-home quarantine was the active or passive infection or reinfection occurred after preventive- high-diluted-biomedicines-Ginger MT. But, the 'Natural Control (MDM)', showed the lowest average 55% recovery only in-home quarantine and 45% hospitalization from active and passive reinfection after regular taking the lunch or MDM. All the treatment received the highest active infection /reinfection in the 1st and 2nd phase peak, though the highest passive or asymptomatic infection/reinfection received in the '3rd-phase', and mortality occurred less than 1% in aged-and-co morbid, heart and diabetic patients, and no mortality happened due to effective preventive -HDBMGMT ('high-diluted-biomedicines-Ginger MT'), following the Covid-19 status of Purba Bardhaman District (Table 1 and Figure 1). Potential absolute immunization occurred (more than 99%) in all the total average 'Treatments Types' due to effective-HDBMGMT and natural immunity. It is noted that the COVID-19 was affected different people in different ways. Most infected people would be developed asymptomatic (57-77%) or mild to moderate illnesses (21-23%) and would be the total average recovered 94% after hospitalization within the same period from 22nd-March 2020 to 22nd-January 2022 (Table 1), where the most common symptoms were: fever, cough, tiredness, loss of taste or smell, and the less common symptoms were: sore throat, headache, aches, and pains, diarrhea, a rash on the skin, or discoloration of fingers or toes, red or irritated eyes, following the Covid -19 status of Purba Bardhaman District and United States (Figure 1). It was interesting that the last Covid-wave was the fastest transmissible and infective but less detrimental in all respect in both preventive-HDBMGMT- treatment/control groups (Table 1). Among the different types of treatments, I-Mouthwash/Gargle, II-Oral, III-Nasal, VII-Powder/Dust, and VIII-Soaked-N95-Mask, were more effective than others treatments types, and natural control types, though in all clinical treatments, total average more than 99% or absolute recovery, and no mortality occurred due to COVID-19 (Table 1).



Average Types of Clinical Treatments/Individual [Except Last One; Control Through Mid Day Meal (MDM)]	Average Clinical Treated and Visited Burdwan Municipality: 22 nd -March 2020 to 22 nd -January 2022								
	1 st -Phase COVID-19		2 nd -Phase COVID-19		3 rd -Phase COVID-19		Admitted %		Remarks
	Before Symptom Onset (%)	Onset of Symptom s/ Illness (%)	Before Symptom Onset (%)	Onset of Symptom s/ Illness (%)	Before Symptom Onset (%)	Onset of Symptom s/ Illness (%)	Home Quarantine (%)	Hospitalization (%)	
I-Mouthwash/Gargle	Nil	92bz±2.84	93ax±1.71	97ay±0.01	95ax±2.41	99ay±0.01	98ax±0.62	2ey±0.06	Recovery 100% immunization
II-Oral	Nil	25cz±3.40	55bx±3.65	95ay±2.23	68bx±2.22	98ay±0.02	98ax±0.02	2ey±0.02	Recovery 100% immunization
III-Nasal	Nil	Nil	2dx±2.90	5cy±2.01	8ex±1.04	12dy±0.04	90bx±1.82	8dy±0.12	Recovery 99% immunization
V-Chewing-Gum	Nil	Nil	2dx±2.72	8cy±2.02	16dx±1.02	22cy±2.08	72cx±1.02	27by±0.03	Recovery 99% immunization
VI-Chocolate	Nil	10cz±1.98	45cx±3.53	58by±3.42	38cx±0.22	75by±0.03	73cx±0.01	27by±0.01	Recovery 99% immunization
VII-Powder/Dust	Nil	Nil	1dx±0.61	4dy±1.86	12dx±1.02	19cy±2.03	98ax±0.42	2ey±0.02	Recovery 99% immunization
VIII-Soaked-N95-Mask	Nil	Nil	1dx±0.23	4dy±0.04	15dx±0.01	21cy±0.01	86bx±0.04	15cy±0.01	Recovery 100% immunization
Natural Control (MDM)	90ax±3.56	98ay±0.02	95ax±3.01	98ay±0.04	95ax±1.85	98ay±0.02	55dx±4.03	45ay±1.83	Recovery 94%, died; aged, co-morbid ,diabetic, heart patients

Table 1: Clinical treatments of high-diluted-biomédicines-Ginger MT against COVID19 on different families of Burdwan Municipality

‘a,b,c..’- different small letters in a column, and ‘x,y,z’ different small letters in a row show significant difference by the analysis of variance ‘ANOVA’ (P<0.01).

Table 2 shows the community immunization effects of patients, the average number of 803 COVID-19 passive patients, the average number of 803 home quarantine, and the average number of 810 patient recoveries from COVID-19. And out of an average number of 813 positive COVID-19 patients, an average number of 10 patients admitted to the Burdwan Medical College and Hospital, Bardhaman, an average number of 810 patients (99.63%) recovery from COVID-19, and an average number of 3 patients died due to senior (60-99) aged and comorbid, heart and a diabetic patient with ‘Multisystem-Inflammatory-Syndrome (MIS-C)’ , and no mortality occurred below 60 middle age, adolescent and children age group (Table 2).

Average Family Age Groups (years)	Clinical Area: Kanchannagar D.N. Das High School (HS), 22 nd -March2020 to 22 nd -January 2022						Remarks
	Average Number of Family Visited	Average Number of Family Members	Average COVID-19 Active Patients	Average COVID-19 Passive Patients	Average Home Quarantine	Average Number of Recovery	
Senior: (60-99)	170.99a ±00.01	231.18ax ±00.02	07.00ay ±00.04	156.82az ±00.26	154.42az ±00.12	157.97az ±00.11	Died only in aged and co morbid heart and diabetic patient
Middle: (20-59)	256.87b ±00.01	767.61cx ±00.17	03.00by ±00.02	248.23bz ±00.07	248.22bz ±00.11	251.18bz ±00.14	One died due to heart attack
Early: (00-19)	312.83c ±00.01	698.73bx ±00.11	00.00cy ±00.01	397.97cz ±00.11	397.03cz ±00.01	397.01cz ±00.16	No mortality occur due to increase effective natural immunity
Total: (01-99)	739	1698	10	803	803	810	Potential social natural immunization results due to effective natural immunity

Table 2: Impacts of biomedicines-Ginger-MT on students, guardian and veteran’s family against the infection or reinfection of coronavirus 2 / omicron of the student’s community of Kanchannagar D.N. Das High School (HS)

‘a,b,c’- different small letters in a column, and ‘x,y,z’ different small letters in a row show significant difference by the analysis of variance ‘ANOVA’ (P<0.01).



Discussion

All types of the clinical treatments of all the age groups on family and community against COVID-19 showed the more or less absolute recovery even in-home quarantine due to treatment with the preventive–‘high-diluted-biomédicines-Ginger MT’ (HDBMGMT), on family and community against COVID-19, because this biomédicines contains different active effective phytoconstituents or bioactive compounds, and it provides booster immunity or hard immunity or innate immunity preventing not only ‘Omicron-Deltacron- Rupacron-Futuracron-.....Like-Any-New-Variants’, but also many diseases; analgesic, diuretic, antifungal, vermifuge, antiulcer, laxative, antiviral, asthma, ulcers, diarrhea, swelling of the mouth or throat, and high cholesterol and hypertension, hepatoprotective and antioxidant activities [9-15,55]. For these reasons, all the treatment treatments age groups, 1 year to 99 years’ showed more than 99% -absolute recovery only in-home isolation or home quarantines were active or passive infection or reinfection occurred after preventive–HDBMGMT. And it may develop the blueprint with the help of ‘Students-NGO-Model etc., for potential diagnostics, booster vaccines, and therapeutics against novel coronavirus-2 or omicron or future A to Z disease [9-55].

It was clinically remarkable that the highest passive infection/reinfection was due to the potential effects of preventive–HDBMGMT. So the potential very old common traditional cost-effective side-effect-free environment-friendly easily prepare-able easily-manufacture-able equitable-marketable easily-available and supply-able, the best quality nanoparticles-biomédical–HDBMGMT at extremely low doses, preventing ‘Neurotoxicity, Immunotoxicity and Drug Toxicity’, and forming the “Vaccine-Nationalism-to-Vaccine-Equity— Finding a Path-Forward”, that will resist COVID vaccine hesitancy against new variants, the ‘Omicron-Deltacron- Rupacron-Futuracron-Like-Any-New-Variants’ which has long been recognized as a problem in high- and middle-income nations of the world’s poorest countries, lack of access to vaccines [8-13,56]. And the Ginger MT-biomédicines will be ‘Preventive-Natural-Gifts for All’, and “Only Pharmacy-and-Drug-Innovations Can Steady-Reopen Different Research-Educational-Institutions Immunization Against ‘Future A to Z Diseases’: Advanced Scientific-Community-Global-Health-Ecology-Agriculture-Environment-Science-Technology-Communication-Applications-Socio-Economy” [9-56].

The family or community immunization effects of high-diluted-biomédicines-Ginger MT against COVID-19 among different communities of the Kanchannagar D. N. Das High School (HS), Burdwan Municipality, from 22nd-March2020 to 22nd-January 2022, and up-to-date, and observation of the infection or re-infection (before and after COVID-19 vaccines) of coronavirus-2 /-3, were very high because out of 98.53% home quarantine-patients, and 99.63% recovered from COVID-19 up-to-date, and 0.36% COVID-19 patients mortality occurred in the Burdwan Municipality due to comorbid, heart and a diabetic patient with ‘Multisystem-Inflammatory-Syndrome (MIS-C)’. Recently it is observed that the high-diluted-biomédicines-Ginger MT act like wild bats, natural reservoirs of similar kinds of coronaviruses, and they act as asymptomatic carriers of COVID-19 disease-causing

pathogens in humans and other mammals, with diverse ecological niches and colonizes most of the planet, and SARS-CoV-2 found in a cave in Laos yield new clues about pandemic’s origins that were infected with viruses up to 96.8% identical in genetic sequence to SARS-CoV-2 through bat anal swabs, and the SARS-CoV-2 of bats use its surface protein, spike, to dock onto human cellular receptors known as angiotensin-converting enzyme 2(ACE2) and initiate an infection, and the ‘Human-Wildlife Conflict and Coexistence also’. And the high-diluted-biomédicines-Ginger MT can resist coronaviruses holds substantial promise not just for infections with SARS-CoV-2, but will “better prepare us for the following epidemic or pandemic”, though bats can infect one another with SARS-CoV-2 they show no clinical effects nor show the identical issues within the lungs that impact humans so badly, and high-diluted-biomédicines-Ginger MT and wild animals can help in immunomodulatory treatment options for COVID-19 against man by the immunopathology of SARS-CoV-2 infection, and it can provide pivotal guidance to researchers and clinicians developing and administering potentially life-saving immunomodulatory therapies, and the decisions making therapeutic for selecting the essential potential immunotherapeutic agents and timing for application to prevent morbidity and mortality of COVID-19, and also the science immunology are responsible of bats’ responses to SARS-CoV-2 which can be the key factors for the “How and When to Best Use the Existing Therapies for COVID-19 for the Develop of New Treatments by Using High-Diluted-Biomédicines-Ginger MT”, and also the way the virus that has caused this pandemic wreaks havoc on the human system, and there remains an urgent “need for effective therapies, a minimum of partly because of the emergence of mutations”, and it will be understandable for ‘owls and bats resist COVID-19 could inform human treatments’ [8-54,63,64].

So, it is observed and confirmed, “The Special-Remarkable-Case-Reports-Efficacy-(SRCRE) of the ‘High-Diluted-Common-Ginger-MT-Biomédicines-(HDCGMTBM)’, prepared from the rhizome (Plate 1) of traditional common ginger (*Zingiber officinale* Rosc.), at extremely low doses, against naturally occurring coronavirus infections or re-infections of COVID-19 among the individual, family, and different community of the Burdwan Municipality, Purba Bardhaman, West Bengal, India. It is interesting that out of eight-different clinical treatments; who follow or maintains any three or four kinds of clinical treatments regularly, do not affect any infectious diseases like ‘Omicron-Deltacron-Rupacron-.....-Futuracron-Like-Any-New-Variants’, or even any ordinary diseases also.



Plate 1: Rhizomes of common ginger (*Zingiber officinale* Rosc.) black ginger (*Kaempferia parviflora*), and student's-community of Kanchannagar D.N.Das High School (HS)

Future Research

It has been observed that the coronavirus outbreak began in Wuhan, China, in December 2019, known as SARS-CoV-2, resulting in more than 412 million infections and over 5.8 million deaths, and the World Health Organization (WHO) is currently monitoring five variants of concern: Alpha, Beta, Gamma, Delta, and Omicron, and the pseudo variant; the 'Deltacron- Rupacron-Futuracron-.....Like-Any-New-Variants', has some new clinical features like as long as 68 days with age-dependent effects in the transmission and control of COVID-19 epidemics, and in rare cases, coronavirus vaccines may cause Long-Covid-like symptoms also with excessive tiredness which are overcome by the use of 'Preventive-Natural-Gifts for All', the Ginger MT-biomedicines. It will be more effective if common Ginger MT-biomedicines are used combined with the high-diluted or ultra-high-diluted Black Ginger-biomedicines (BGBM), prepared from the rhizome 'Black Ginger' of *Kaempferia parviflora*, forming the 'Emergency-Universal-Booster-Preventive-Emergency-Vaccine (UBPEV)' Against 'Future Epidemic'. And it will be distributed equally, preventing shortfalls and global crisis, and oath ourselves "Vaccine equity: there is no time to waste due to COVID-19: endemic doesn't mean harmless, and it will not come to a natural end; After Omicron, some scientists foresee 'a period of quiet' in the New Year 2022", and the combined-biomedicines of common Ginger-MT and black Ginger-MT, may consider the development of new-systems-methods-techniques, drug-design-discovery-specificity-formulation, optimizing-dosage-regimen, drug-

delivery-systems-regulation, personalized-emergency-medicine, pharmacogenomics-pharmacokinetics-pharmacodynamics, analytical-sciences-nanotechnology, therapeutic-aspects, quality-control, drug-evaluation of safety and toxicity of drug-molecules, regulatory-medical-science with computational-approaches which resist sudden rise of more transmissible form of 'Omicron-Deltacron- Rupacron-Bodhicion....Futuracron-like-any-new-variants', and 'Other-Diseases' [57-65]. Recently, scientists are searching museums and medical schools for preserved lung tissue from people infected during a nearly forgotten pandemic of the late 19th century, the "Russian flu" (In The New York Times, February 15, 2022).

Conclusion

The present paper once again confirms the potentiality of 'the biomedicines-Ginger-MT' act as the 'Preventive Natural Gifts' against the 'Omicron Deltacron Rupacron-Bodhicion....Futuracron-like-any-new-variants', and 'Other-Diseases' by increasing natural-immunity. It will also confirm, "Only the Pharmacy-and-Drug-Innovations of Biomedicines-Ginger-MT Can Steady-Reopen Different Research-Educational-Institutions Immunization Against 'Future-A-to-Z-Diseases' Advancing Scientific-Community-Global-Health-Ecology-Agriculture-Environment-Science-Technology-Communication-Applications-Socio-Economy". In future from the basic-clinical-exploration-research, the combined-biomedicines of common Ginger-MT and black Ginger-MT, may consider the development of new-systems-methods-techniques, drug-design-discovery-



specificity-formulation, optimizing-dosage-regimen, drug-delivery-systems-regulation, personalized-emergency-medicine, pharmacogenomics-pharmacokinetics-pharmacodynamics, analytical-sciences-nanotechnology, therapeutic-aspects, quality-control, drug-evaluation of safety and toxicity of drug-molecules, regulatory-medical-science with computational-approaches.

Conflict of Interest

The authors declare no conflicts of interest here and the manuscripts is written by the author itself.

Acknowledgement

I am thankful to the eminent educationist and social worker Sri Tapaprakash Bhattacharya for inspiration and guidance. I express my deep gratitude to Mr. Rakesh Khan, M.A., B.Ed., (Gold Medalist), Secretary and Mr. Subhendu Bose, President with all Young Green-Members of the —International NGO named Burdwan Green Haunter and Students' Goall for arranging several awareness programmed on COVID-19 with —Health Care, Biomedicines, Nutritious Food, Vaccination, Agriculture, Biodiversity Conservation and Enriching Science and Technology Communication Economy Application Issues!. Last but not the least; I am thankful to the eminent Senior Consultant Physician, Dr. Ranjan Mukherjee, M.B.B.S., M.D., District Coordinator, and Dr. Dipanitwa Malik, M.B.B.S. of Sishu Sathi Scheme at Department of Health and Family Welfare, India for inspiration and guidance.

References

- Editorial Long COVID and kids: more research is urgently needed. *Nature* 08 February 2022; 602:183.
- Davies NG, Klepac P, Liu Y, Prem K, Jit M et al. (2020) Age-dependent effects in the transmission and control of COVID-19 epidemics. *Nature Medicine* 26:1205–1211.
- Couzin-Frankel J, Vogel G (2022) In rare cases, coronavirus vaccines may cause Long Covid-like symptoms. *Science* 20 January, 2022.
- Roxby P (2022) Millions are dying from drug-resistant infections, global report. *Health reporter, BBC News* 20 January 2022.
- Prewitt E, Mohta NS, Gordon L, Lee TH (2022) The Covid-19 Pandemic Continues into 2022. *NEJM Catalyst Innovations in Care Delivery* 2022;3(2):1-9.
- Domingues V (2022) SARS-CoV-2 roots. *Nat Ecol Evolution* 6:10.
- Golla U, Dallavalasa S, Manda NK, Nalla S, Singh S (2022) Perspectives on the Global Impact and Effectiveness of Covid-19 Vaccines against Emerging SARS-Cov-2 variant Omicron. *Adv Clin Toxicol* 2022, 7(1): 000231.
- Dasgupta M (2018) Neurotoxicity, Immunotoxicity and Drug Toxicity-A Review. *Adv Clin Toxicol* 3(S1): 1-2.
- Datta SC, Datta B (2022) Biomedicines-Meal (BMM) and Ultra-High-Diluted-Biomedicines-Turmeric (UHDBMT) Treat as 'Community-Booster-Vaccine Standard-Model' (CBVSM), The 'God-Particle' (GP) of 'Future-X-Pandemic' (FXP): Enriched Family-Medicine-Agriculture-Environment-Science-Technology-Communication-Issues! *International Journal of Family & Community Medicine* 6(1):1–9.
- Datta SC, Mukherjee R (2021) High-Diluted-Potential-Internal-Biomedicines Zingiber officinale Extract Prevent 21st-Century Pandemic: Enriched Drugs Health Socio-Economy! *United Journal of Internal Medicine* V1(3):1-4.
- Datta SC (2021) Vaccine-Passport Bio-Medicinal-Meals Prevent Reinfection-Coronavirus-2: Improved Global-Health-Clinical-Drug-Discovery-Education-Research Socio-Economy-Science-Technology-Communication-Application! *Aditum Journal of Clinical And Biomedical Research* 2(3):1-7.
- Datta SC (2021) Sustainable Reopening of School Preventing Reinfection-Coronavirus 2 in New-Normal by Vaccine-Nationalism-Equity-Passport with Ginger-Drinks-Bio-Medicinal-Mid-Day-Meals! *International Journal of Research-Granthaalayah*. 2021; 9(5):165-170.
- Datta SC (2021) Dinna Nath Das-Middle English School and –Dispensary Act As a Model: The 21st-Century-Coronavirus-2 Resistance-Futuristic-Common-Ecofriendly-Complex-Green-Digital-School-Health-Ecosystem by Bio-Medicine-Vaccine-Nationalism-Equity-Passport. *SunText Rev Arts Social Science* 2(1):117-224.
- Sharad S, Kapur S (2021) Indian Herb-Derived Phytoconstituent-Based Antiviral, Antimicrobial and Antifungal Formulation: An Oral Rinse Candidate for Oral Hygiene and the Potential Prevention of COVID-19 Outbreaks. *Pathogens* 10(9):1130.
- Singh NA, Kumar P, Jyoti, Kumar N. (2021). Spices and herbs: Potential antiviral preventives and immunity boosters during COVID-19. *WILEY. Phytotherapy Research* 2021;1–13.
- Datta SC (2020) Okra Maybe Potential Cost-Effective Personalized-Biomedicines Social-Vaccine against COVID-19: Improved Immunity Food-Security Green-Economy Science-and-Technology-Communication Applications. *Innovative Journal of Medical Sciences* 4(2): 5-20.
- Datta SC (2020) Potential Policy-Developed Global-COVID-19-Vaccine: Enriched Medical Sciences and Technology Green-Socio-Economy. *Cross Current International Journal of Medical and Biosciences* 2(10): 143-154.
- Datta SC (2020) Intercropped Cowpea Maybe Use as Biomedicine Improved Immunity against COVID-19: Enriching Science and Technology Communication Applications Food Security Economy. *Diagnosis and Therapies Complementary and Traditional Medicine* 2020(1): 35-48.
- Datta SC (2020) Weeds-Vegetables and Fruits Act as Potential Biomedicines against COVID-19: Enriched Agriculture Biodiversity Socio-Economy Science Technology Communications by Controlling Plants Diseases. *Journal of Experimental Biology and Agricultural Sciences* October - 2020; 8(Spl-1-SARS-CoV-2): S139-S157.
- Datta SC (2021) Weed-Plant Act as Vaccine against Plant-and-COVID-19 Diseases: Enriched-Agriculture-Health-Development Socio-Economy Sciences-Technology-Communication-Application. *International Journal of Pharmaceutical Sciences and Clinical Research* 1(1):1-17.
- Datta SC (2021) Amaranth Plant Protects Climate-Health-Development Socio-Economy Sciences-Technology-



- Communication: Act as Potential Biomedicine-Vaccine against Plant and 21st Century-Epidemic COVID-19 Diseases. *Expert Opinion Environ Biology* 10:1.
22. Datta SC (2021) High-Diluted-Biomedicines Turmeric Extract (TE) Act As Preventive Policy- Developer-Potential-21st-Century-Pandemic COVID 19 Vaccines: Achieved Community-Medicine-Public-Health-Ecology-Green-Socio-Economy-Welfare-Science-Innovations-Technology-Communication-Applications-Issues! *Arch. Com. Med. Pub. Health* 7(2):164-174.
 23. Datta SC (2021) Students Act as 21st Century Preventive-Pandemic-COVID-19 Model: Improved Advance-Clinical-Toxicology Biomedicine Green-Socio-Economy Science-Technology-Innovations. *Advances in Clinical Toxicology* 6(1): 000204.
 24. Datta SC (2020) Biomedicines-Cina against COVID-19: Controlled Plant Diseases Enriched Science and Technology Communication Green Economy. *The International Journal of Research –GRANTHAALAYAH* 8(9):234-255.
 25. Datta SC (2020) Biomedicines-Aakashmini Cost-Effective COVID-19 vaccine: Reduced Plant-Diseases Enriched Science Technology Communications Socio-Economy Bio-Applications. *Global Journal of Bioscience and biotechnology* 9(4):127-144.
 26. Datta SC (2020) Cina-Pretreatments Act as Potential-Biomedicine-Vaccine against COVID-19 and Okra-Plant-Diseases: Synthesis PR-Proteins Increased-Immunity Improved Biomedicines-Economy Applications Science-Technology-Communications. *International Journal of Ayurveda* 5(12):05-26.
 27. Datta SC (2020) Artificial-Nest Rainwater-Harvesting with Fishery and Floating-or-Rooftop-Gardening Act as 21st Century Civil-Engineering COVID-19 Epidemic-Model: Improved Biodiversity Agriculture Socio-Economic Environmental-Sciences Technology-Communication. *Journal of Civil Engineering and Environmental Sciences* 6(2):022-036.
 28. Datta SC (2020) Homeopathic Medicines Aakashmoni Will Be the Best Vaccine Against COVID-19: Enriching Agriculture Science and Technology Communication Mechanism Application Issues! *International Journal of Research –GRANTHAALAYAH* 8(11):333-361.
 29. Datta SC (2021) Only Environmental Science Act as Natural Bio-medicine Preventive Epidemic Model of 21st Century Pandemic Diseases. *Editorial, Environ. Sci. Ind. J* 17(1):e177.
 30. Datta SC (2021) Immediate apply cost-effective easily preparable-available 21st century potential –ayurvedic-herbal-integrative-medicine-vaccine of COVID-19: achieved agriculture healthcare-socio-economy science technology communication mechanism! *International Journal of Research-Granthaalayah* 9(1): 227 – 247.
 31. Datta SC (2021) High-Diluted Pharmacological-Potential Biomedicines Prevent 21st Century COVID-19 Like Pandemic: Improved Drugs-Research Biodiversity Agriculture Socio-Economy. *Editorial, American Journal of Pharmacology* 4(1):1031.
 32. Datta SC (2021) Nematode Extract and Acaciasides Use as Preventive Biomedicines Against Plant Diseases: Improved Earth-Environmental-Health-Research Science-Technology-Communication and May be Controlled 21st-Century Pandemic Diseases! *Eart & Envi Sci Res & Review* 4:55-60.
 33. Datta SC (2021) Animal-Biomedicine Controls Root-Knot-Disease in Lentil-Callus-Culture: Enriched Advanced-Clinical-Toxicology Socio-Economy Science-Technology-Communication by Preventing 21st-Century-COVID-19-Like-Pandemic-Diseases. *Advances in Clinical Toxicology* 6(2): 000214.
 34. Datta SC (2021) Biomedicines Suppress Root-knot Disease of Tomato and Coronavirus-Like-Pandemic-Diseases: Improved Agriculture Green-Socio-Economy Aquatic-Science-Technology-Communication! *Journal of Agriculture and Aquatic Science* 1:08-10.
 35. Datta SC (2021) Enriched Agriculture Horticulture Science Technology Socio-Economy-Communication-Issue by Biomedicines Suppressing Tomato-Disease and Coronavirus2-Like-Pandemic-Diseases! *Journal of Agriculture and Horticulture Research* 4(2):74-77.
 36. Datta SC (2021) Genetic Basis of Nematode Extract May Be Preventive-Biomedicines Against Coronavirus-2 by Controlling Root-Knot-Disease of Cowpea-Root-Callus: Enriched Agriculture Clinical Medical-Science-Technology-Communication! *Global Journal of Clinical and Medical Case Reports* 1(1): 010-018.
 37. Datta SC (2021) Animal-Biomedicines Prevent Disease of Tomato and Coronavirus-Like-Pandemic-Diseases: Enriched Agriculture Socio-Economy Science-Technology-Communication-Issues! *Merit Research Journal of Microbiology and Biological Sciences* 9(3):1-4.
 38. Datta SC (2021) Genetic effects of the biomedicines Gall MT (GMT) on advanced agronomy-plant-breeding-horticulture-environment socio-economy green-science-technology-communication-issues by preventing okra root-knot and COVID-19! *Adv. Agro. Pl. Breed. Horticulture* 9(3):1-14.
 39. Datta SC (2021) Genetic Effects of Ultra-High-Diluted-Biomedicines Gall 30C, Gall 200C, and Gall 1000C May Be a Vaccines Against Plant and COVID-19 Diseases: Improved Agriculture-Health-Medical-Pharmaceutical-Science-Technology-Communication-Issues! *Journal of Drug Research and Development* 7(2):
 40. Datta SC (2021) Genes of Gall 200C and Nematode 200C May Develop Biomedical Vaccines Against Plants and COVID-19 Diseases: Advanced Medical Science Technology Agriculture Health Issues. *Journal of Biomedical and Life Sciences* 1(1): 22–37.
 41. Datta SC (2021) Biomedicines Improved Food-Security Sustainability Agriculture-Biodiversity Socio-Economy Science-Technology-Communication: Preventing Root-Callus, Plant-Diseases and COVID-19! *LJMHR, London Journals Press* 21(4):1-100.
 42. Datta SC (2021) Artemisia nilagirica will Be the Best Vaccine against Okra and COVID-19: Enriched Agriculture Medical-Science Technology-Mechanism Applications! *IASR Journal of Medical and Pharmaceutical Science (IJMPS)* 1(2):26-43.
 43. Datta SC (2021) Mulberry-Gall MT (MGMT) Biomedicines Maybe Act as a Vaccine Against Coronavirus-2 and Mulberry Pathogens: Advancing Sericulture-Agriculture-Agro-Forestry-Environment-Biodiversity-Wildlife-Conservation-Science-Technology-Communication! *Agricultural Research Pesticides and Biofertilizers* 2(4).
 44. Datta SC (2021) Economic okra plant act as a preventive-



- COVID-19 vaccine advanced horticulture agriculture environment biodiversity conservation science technology communication applications issues. *Hort Int J Medicine* 5(6):211–220.
45. Datta SC (2020) Enriched Science and Technology Communication Economy in Agriculture by Use of Acacia sides as Potential Bio-Agents against Various Pathogens. *Advances in Agriculture, Horticulture and Entomology* 2:1-13.
 46. Datta SC (2020) Discovery of COVID-19 Vaccine by Using Acaciades as a Phytomedicine Improving Science and Technology Communication Applications- An Ideas. *Open Access Journal of Biogeneric Science and Research* 2(1):1-30.
 47. Datta SC (2020) Acacia auriculiformis-Extract Synthesis PR-Proteins Developed Potential Biomedicines-Vaccine against Okra-Diseases and COVID-19: Improved Science Technology Communications Bio-Economy Applications. *The International Journal of Research – GRANTHAALAYAH*. 8(10): 249-270.
 48. Datta SC (2020) NGO Act as Potential-Policy-Developer Social-Vaccine-COVID-19 Epidemic-Model until Discovery-of-Medical-Vaccine: Achieved Green-Socio-Economic Welfare Science Technology Innovations. *Arch Community Med Public Health*. 6(2):225-232.
 49. Datta SC (2021) Owls and Bats Act as Future ‘Wild X-Disease’ Preventive COVID-19 Non-Medicated Vaccine: Improved Global-Health-Forestry-Agriculture-Environment-Science-Technology-Communication! *Global Journal of Science Frontier Research: C Biological Science (GJSFR-C)* 21(5,1.0):1-6.
 50. Datta SC (2021) Bats Act as a Natural-Booster-Family-Vaccine-Immunization Against COVID-19: Provide Preventive-Family-Health-Care-Health-Risk-Services-Healthy-Lifestyle Enriched-Wildlife-Conservation-Agriculture-Forestry-Science-Technology-Communication-Application-Issues! *Journal of Family Medicine* 8(9): id1279 (2021) - Page – 09.
 51. Datta SC (2021) Bats Act as a Natural-Booster-Community-Vaccine Against COVID-19. *IASR Journal of Medical and Pharmaceutical Science (IJMPS)* 1(2):13-25.
 52. Datta SC (2021) Wildlife-Owl-Conservation May be Immunized-Community Against ‘Future-Disease-X’: Provide Clue Clinical-Biomedical-Research Global-Health-Enriched-Biodiversity-Forestry-Agriculture-Environment-Science-Technology-Communication-Issues! *Aditum Journal of Clinical and Biomedical Research*. 3(2);
 53. Datta SC (2021) Wildlife Conservation Act as Future Clinical-Medical Images-Case Reports of COVID-19 Model: Enriched Forestry-Horticulture-Agriculture-Environment-Health-Biodiversity-Medical-Science-Technology-Communication-Application-Issues! *Journal of Clinical and Medical Images, Case Reports* 1(1):1033.
 54. Datta SC (2022) Only wildlife conservation may be future omicron-like-preventive-epidemic-covid-19-model enriched forestry-horticulture-agricultureenvironment-health-biodiversity-science-technology-communication-application-issues. *Hort Int J* 6(1):6–9.
 55. Rathinavel T, Palanisamy M, Palanisamy S, ubramanian A, Thangaswamy S. (2020). Phytochemical 6-Gingerol – A promising Drug of choice for COVID-19. *Int. J. Adv. Sci. Eng.* 6 (4):1482-1489.
 56. Mallapaty S (2021) Researchers fear growing COVID vaccine hesitancy in developing nations. *Nature News*, 23 December 2021.
 57. Bansal A (2022) Vaccine equity: there is no time to waste. *Bull World Health Organ.* 2022 Jan 1;100(1):2–2A. Published online 2022 Jan 1.
 58. Saokaew S, Wilairat P, Raktanyakan P, Dilokthornsakul P, Dhippayom T, Kongkaew C, et al. (2017) Clinical Effects of *Krachaidum* (*Kaempferia parviflora*): A Systematic Review. *J Evid Based Complementary Altern Med.* 2017 Jul;22(3):413-428.
 59. Sookkongwaree K, Geitmann M, Roengsumran S, Petsom A, Danielson UH (2006) Inhibition of viral proteases by Zingiberaceae extracts and flavones isolated from *Kaempferia parviflora*. *Pharmazie.* 2006 Aug;61(8):717-21. PMID: 16964717.
 60. Toda K, Hitoe S, Takeda S, Shimoda H (2016) Black ginger extract increases physical fitness performance and muscular endurance by improving inflammation and energy metabolism. *Heliyon.* 2 (2016) ;e00115.
 61. Katzourakis A (2022) COVID-19: endemic doesn’t mean harmless. *Nature* 601: 485.
 62. Kupferschmidt K (2022) After Omicron, some scientists foresee ‘a period of quiet’. *Science.*
 63. Datta SC (2022b) Immediate Apply ‘Emergency-Oral-Vaccine’ of ‘Omicron’ Enriched’ ‘Cilincial-Global-HealthMedical-Research-Science-Technology-Communication-Application-Issue’. *Scientific Research Journal of Applied Sciences* 2(1):12-23.
 64. Datta SC, Mukherjee R (2022) Only Biomedicines-Meals (BM) Act as the ‘Preventive-Immunity-Booster-Community-Vaccine (PIBCV)’ Against ‘Omicron’ Enriching Global-Public-Health Forestry-Agriculture-Environment-Biodiversity-Wildlife-Conservation-Medical-Research-Science-Technology-Communication-Applications (GPHFAEBWCMRSTCA)? *Arch Community Med Public Health* 8(1): 025-034.
 65. Wadman M (2022) Sudden rise of more transmissible form of Omicron catches scientists by surprise. *Science. Reporting* by Kai Kupferschmidt, Update, 1 February, 5:05 p.m