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High-Diluted Pharmacological-Potential Biomedicines Prevent 21st Century COVID-19 Like Pandemic: Improved Drugs-Research Biodiversity Agriculture Socio-Economy Technological-Advancements Issues!

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Abstract

The recent 21st century pandemic-COVID-19 causes more than 88 million infections and more than 1.8 million deaths of human lives like the previous past two-decades of many viral-epidemics, and also changes total human civilization and economy, and increases long term neurological-effects in future-life in the world. The vaccine's innovation as well as its application is not still known of its proper efficacy, longevity, cost-effectiveness, side-effectiveness like allergic-toxic-reaction, and chance of reinfection due to new variant and mutation. On the other hand, the Indian economy mainly depends on agriculture which is hampered by the attack of different pathogens causing diseases, that directly cause crises of financial-losses, food-productions, and climatic-changes, but in combination, their impact could be catastrophic for the global-economy also. The synthetic-and-chemical pesticides are the most effective means of control, but they are expensive and not environment-friendly, and there remains the problem of residual toxicity in the treated plants also. To overcome both the problems, it necessary to develop the highest quality scientific information on all aspects of pharmacology and its studies or proper side-effects frees effective medicines or drugs, which also includes up-to-date information in translational research as well as to promote communication and collaboration among researchers and professional clinicians from all over the world, developing policy-initiative social strategies issues also. So, this paper tries to show the possible ways to prevent the future 21st-century pandemic-COVID-19 like's virus-free world by using high-diluted pharmacological-potential-biomedicines; Aakashmoni and Cina, which improve drug-research, biodiversity, agriculture, socio-economy, and technological-advancements issues with future oncology and oral-health also.

Keywords: COVID-19; Virus-free-world; 21st century; Biodiversity; Agriculture

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Introduction

In this paper based on the Indian theme "Vision 2040", and the 'common goals and innovative partnership' for clinical characteristics, treatment, and prognosis of COVID-19 patients, removing immunotoxicity, neurotoxicity, and drug toxicity' [1,2], it is planned to prevent or overcome the future 21st-century pandemic-COVID-19 like's virus-free world, and providing affordable access to effective adaptable flexible-vaccines for everyone who could benefit from them remains an important any challenge of the strains by the following possible ways.

Primarily it has been shown that different crud plant extracts OR nematode extract OR bioagents OR phytomedicine OR intercropped-/multi cropped-biomedicines OR biomedicines OR biomedicine-vaccines are very much effective for controlling plants and animal diseases [3-10]. But sometimes, it is not always cost-effective, restricted in the laboratory, and not environment friendly causing problems of biodiversity conservation.

Then it is thought the use of "Potential Policy-Developed Global-Vaccine OR Social Vaccine OR Different Epidemic-models like 21st Century Preventive-Pandemic-Model OR Natural Biomedicine Preventive Epidemic Model OR Using Biological and Biosystems Engineering Models OR Using 21st Century Civil-Engineering Epidemic-Model" for controlling pathogens of living organism of animals and plants [11-17]. But it has some problems regarding application costs.

Plate 1A: Funicles of *Acacia auriculiformis* A. Cunn.

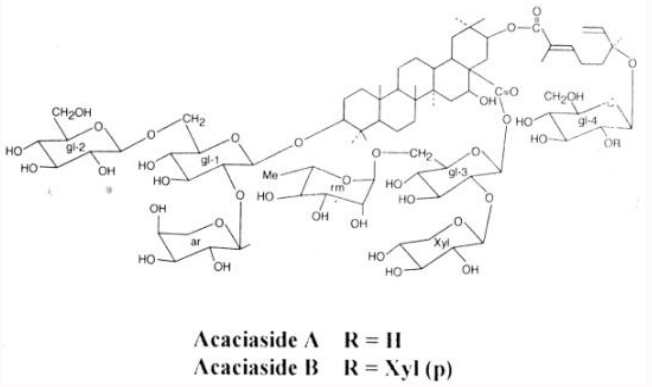

Figure 1A: Molecular structure of two triterpenoid saponins of *Acacia auriculiformis* A. Cunn.

So, it is emphasized on high diluted pharmacological potential biomedicines; Aakashmoni prepared from the funicles of *Acacia auriculiformis* A. Cunn. (Plate 1A & Figure 1A) and Cina prepared from the flowering meristem of *Artemisia nilagirica* (Clarke) Pamp. (Plate 1B & Figure 1B), at an extremely low dose, may be useful for the following reasons [18-25]:

- Use as traditional medicines.
- Overcome various medical complications.
- Proven for many pharmacological activities.
- Due to low toxicity (LD50=3741.7 mg/kg) and high efficacy.
- Present of various effective phytochemical constitutions.
- No side effects and some vaccines made from their phytoconstituents crossing the Avogadro limit.
- Cost-effectiveness, easily prepare-able, easily available, easily manufacture-able, equitable, marketable and supply-able etc. and develop the highest quality scientific information on all aspects of pharmacology and its studies or proper side-effects frees effective medicines or drugs, which also includes up-to-date information in translational research as well as to promote communication and collaboration among researchers and professional clinicians from all over the world, developing policy-initiative social strategies issues also.

Conclusion

Now the recent emergency personalized application of easily preparable, producible, suppliable, marketable and available high-diluted cost-effective pharmacological-potential-biomedicines; Aakashmoni and Cina (Plate 1 & Figure 1), improved the drug-research, biodiversity, agriculture, socio-economy, medical science and technological-advancements issues with future oncology and oral-health also [18-24]. And both the ultrahigh diluted potential pharmacological-biomedicines, at an extremely low dose, forming the 'Toxic- and Side-Effect- Free Best 21st Century Preventive-Pandemic-Vaccine', showing the clinical, physiological, biophysical, chemical effects, with molecular weights of pathogenesis-related proteins explaining the mechanism of action of the ultrahigh-diluted biomedicines, conserving our biodiversity which will contribute towards "Sustainable Climate, Health, and Development" [18-24]. And it is the best way to prevent the future 21st-century pandemic-COVID-19 like's virus-free world by using high-diluted pharmacological-potential-biomedicines which improves drug-research, biodiversity, agriculture, socio-economy, and technological-advancements issues with future impact oncology, mental- and oral-health, and highest quality scientific information on all aspects of pharmacology and its studies also.

Plate 1B: Flowering meristem of *Artemisia nilagirica* (Clarke) Pamp.

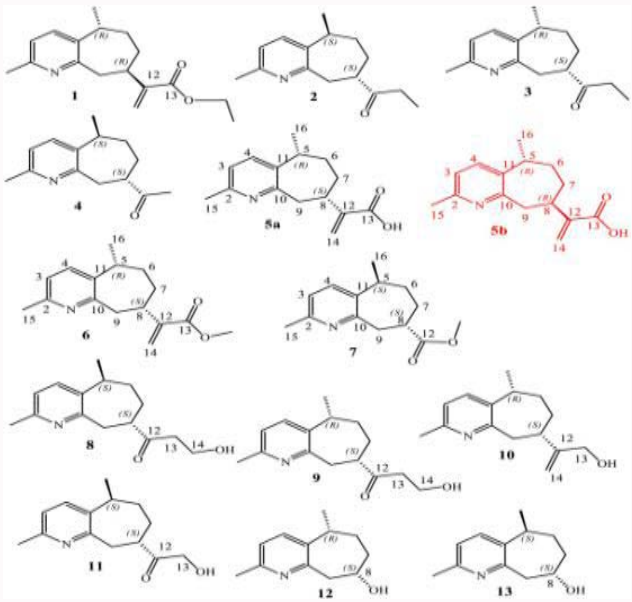

Figure 1B: Chemical structure of alkaloids and allied nitrogen compounds of Artemisia species (Collected from Wiley Online Library).

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