

Review of: "The pros and cons of utilizing crude herbal preparations as opposed to purified active ingredients, with emphasis on the COVID pandemic"

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Potential competing interests: No potential competing interests to declare.

The title itself needs correction. The manuscript does not elaborate on the pros and cons of utilizing crude herbal preparations instead of purified active ingredients, emphasizing the COVID pandemic. It is case studies of the efficacy of Artemisia preparation on 75 COVID patients.

Primary, secondary, and tertiary health care delivery with Indian Systems of Medicine comprising of Ayurveda, Yoga & Naturopathy, Unani, and Siddha streams is conspicuous by absence in the article.

A comprehensive literature review is recommended. Some of the following articles could be cited:

1. Acharya Balkrishna, Pallavi Thakur, Shivam Singh, Namita Singh, Ankit Tanwar, Rakesh Kumar Sharma (2021). *In silico* screening for investigating the potential activity of phytoligands against SARS-CoV-2. JoLS, Journal of Life Sciences 3(1): 19-42 DOI:10.36069/JoLS/20210302
2. AS Chakotiya, RK Sharma (2020). Phytoconstituents of *Zingiber officinale* targeting host-viral protein interaction at entry point of SARS-CoV-2: A Molecular docking study. Defence Life Science Journal 5(4): 268-277 DOI : 0.14429/dlsj.5.15718
3. Acharya Balkrishna, Pallavi Thakur, Shivam Singh, Swami Narsingh Chandra Dev, Viney Jain, Anurag Varshney, Rakesh Sharma (2020). Glucose antimetabolite 2-Deoxy-D-Glucose and its derivative as promising candidates for tackling COVID-19: Insights derived from in silico docking and molecular simulations. **Authorea** DOI: 10.22541/au.158567174.40895611
4. Acharya Balkrishna, Pallavi Thakur, Shivam Singh, Swami Narsingh, Namita Singh, Rakesh Kumar Sharma (2020). Computational screening approaches for investigating potential activity of phytoligands against SARS-CoV-2. **Research Square**. DOI:10.21203/rs.3.rs-23206/v1
5. Simran Chopra, Aditya Dahiya, Ashrit Nair, Navneet Sharma, Rakesh Kumar Sharma. 2-Deoxy-D-Glucose - a Repurposed Drug for COVID-19 treatment. Drug Repurposing for Emerging Infectious Diseases and Cancer (Editor RC Sobti, Sunil Lal and R.K Goyal). ISBN no. 978-981-19-5398-9, Springer Nature Singapore Pte Ltd., Singapore, pp 479–500. https://doi.org/10.1007/978-981-19-5399-6_20

The main issues with Herbal drugs are lack of evidence-based pharmacological efficacy, reproducibility, consistency, and standardisation. It is not clearly brought out.

