



# ADIKAVI NANNAYA UNIVERSITY

RAJAMAHENDRAVARAM, E.G. Dist., A.P. India

UNIVERSITY COLLEGE OF PHARMACEUTICAL SCIENCES  
AKNU CAMPUS-TADEPALLIGUDEM

NATIONAL WEBINAR  
ON

Vaccines, Medicines and Natural Products: Fight against COVID 19

DATE : 18-06-2021

TIME : 10:30 AM



Chief Patron

Prof. MOKKA JAGANNADHA RAO

Hon'ble Vice Chancellor,  
Adikavi Nannaya University  
Rajamahendravaram

## OBJECTIVE

COVID-19 outbreak has caused significant global morbidity and mortality, in addition to undermining the economic and social well-being of individuals and communities. Thus, vaccine development has been a high priority. The development of vaccines faces several challenges inherent to its establishment as safe and efficient production and distribution.

Clinical trials have long been a premier method of testing and validating vaccines and therapies. Trials can involve hundreds of different sites around the world, all with other conditions and affects. Clinical trials also evaluate whether existing drugs can be repurposed for the potential treatment. Studies have led to the following conclusions that treatment might not be efficient if an antiviral drug alone is used. Therefore, supportive therapies are more achievable in a short amount of time in pandemic control.

Natural products and herbal medicine have a long track record of treating a respiratory infection, and many have been approved as drugs, over-the-counter having safety profiles. The minimal toxicity makes natural products and herbal medicines ideal prophylactic candidates for long-term use. An array of natural products have been found highly potent in blocking human coronavirus's enzyme function and membrane receptors.

Moderate dosing of such bioactive compounds may prevent or at least slow down the infection. Great hope has emerged from the possible anti-SARS-CoV-2 activity of flavanones and flavanols and the fact that these metabolites have a significant occurrence within angiosperm plants.

Many of these compounds can potentially target viral genomic material or protein machinery. Some countries boast immense biodiversity and subsequent natural products diversity, providing a substantial source of candidates screened against SARS-CoV-2 and its protein targets.

Patron  
Prof. T. ASHOK  
Registrar  
Adikavi Nannaya University  
RAJAMAHENDRAVARAM

Co-Patron  
Prof. K. SREE RAMESH  
Special Officer  
AKNU Campus  
TADEPALLIGUEM

KEY NOTE SPEAKERS



Prof. J. VIJAYA RATNA

Honorary Professor  
A.U. College of Pharmaceutical Sciences  
Andhra University  
Visakhapatnam.

Title:

Clinical Trials on COVID Vaccines  
and Medicines.



Dr. K. SURESH BABU

Senior Principal Scientist  
Centre for Natural Products and Traditional Knowledge  
CSIR-Indian Institute of Chemical Technology  
Hyderabad.

Title:

Importance of Natural Products and  
their contributions to Health and Society.

Registration Link: <https://forms.gle/1FNfFwCwQoUdX37g6>

or Scan for  
Registration



Important recommendation : It is advised to login from 10:00 A.M  
onwards to avoid the last minute rush in being allowed by the host.

Mode of Delivery  
Live web session through



Organizers

Convenor : Dr. HEERA BATTU  
Co-Convenor : Mr. LAGU SURENDRA BABU

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