



# YOGI VEMANA UNIVERSITY

Kadapa, Andhra Pradesh, India

Department of Chemistry

Dates :  
3<sup>rd</sup> to 8<sup>th</sup>  
August, 2020

Organizes

Faculty Development Programme on

“RECENT DEVELOPMENTS IN CHEMICAL RESEARCH FOR SOCIETAL APPLICATIONS”



**Prof. M. Surya Kalavathi**  
Hon'ble Vice-Chancellor  
Y. V. University



**Prof. D. V. Raghava Prasad**  
Registrar, Y. V. University



**Prof. G. Sambasiva Reddy**  
Principal, Y. V. University College

## DAY 1: CHEMICAL BIOLOGY [Date: 03-08-2020, Time 10:30 am to 12:30 pm]



**Prof. S. Rajagopal**, FNASc  
Department of Plant Sciences, School of Life Sciences,  
University of Hyderabad.  
Title: Molecular Interactions of Various Drugs  
with Plasma Proteins



**Prof. A.G. Damu**  
Department of Chemistry, Yogi Vemana University  
Title: Development of Multi Target Directed Ligands  
Against Alzheimer's Disease

## DAY 2: SMALL MOLECULE DRUGS [Date: 04-08-2020, Time 10:30 am to 12:30 pm]



**Dr. Naveen Mulakayala**  
SVAK Life Sciences, Hyderabad  
Title: Repurposing Small Molecule Drugs Against  
COVID-19: Synthesis and Their Mechanism of Action



**Dr. N.C. Gangi Reddy**  
Department of Chemistry, Yogi Vemana University  
Title:  $\alpha$ -Bromoketones: Key Starting Materials for  
Bioactive Organic Molecules

## DAY 3: BIOMATERIALS [Date: 05-08-2020, Time 10:30 am to 12:30 pm]



**Dr. K. Madhusudana Rao**  
School of Chemical Engineering, Yeungnam University,  
Gyeongbuk, 38541, South of Korea  
Title: Hydrogels from Mussel-Inspired Chemistry for  
Tissue Engineering Applications



**Dr. K.S.V. Krishna Rao**  
Department of Chemistry, Yogi Vemana University  
Title: Importance of Nanomaterials for  
Targeted Drug Delivery

## DAY 4: ORGANIC CATALYSIS [Date: 06-08-2020, Time 10:30 am to 12:30 pm]



**Dr. Kalluri VS Ranganath**  
Department of Chemistry,  
Banaras Hindu University, Varanasi.  
Title: Surface Modification of Nanomaterials using  
various molecules (N-Heterocyclic Carbenes) for  
Catalytic Applications



**Dr. P. Vasu Govardhana Reddy**  
Department of Chemistry, Yogi Vemana University  
Title: Synthesis of Novel N-Heterocyclic carbenes  
and Their Applications Towards Catalytic Perspective

## DAY 5: SYNTHETIC METHODS [Date: 07-08-2020, Time 10:30 am to 12:30 pm]



**Dr. Rambabu Chegondi**  
Organic Synthesis & Process Chemistry Department,  
CSIR-IICT, Hyderabad.  
Title: Organocatalysis in Stereoselective  
Synthesis and its Applications



**Dr. K. Venkateswarlu**  
Department of Chemistry, Yogi Vemana University  
Title: AWEs for Sustainable Synthesis

## DAY 6: NANOMATERIALS [Date: 08-08-2020, Time 10:30 am to 12:30 pm]



**Prof. K. Pandian**  
Department of Inorganic Chemistry,  
University of Madras, Chennai  
Topic: Nanomaterials for Environmental Applications



**Dr. L. Subramanyam Sarma**  
Department of Chemistry, Yogi Vemana University  
Title: Electro Catalysis at Nanoscale:  
Challenges and Opportunities