

## UGC-SAP Sponsored National Symposium on

# Multidrug Resistance:

Challenges and Perspectives

February 17, 2020

Department of Biochemistry and Biotechnology

Annamalai University

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**About the Symposium:** The development of multidrug resistance (MDR) to remains a major challenge in the treatment of infectious diseases such as tuberculosis and non-communicable diseases such as several sub-types of cancer. Several mechanisms are linked with the development of multidrug resistance i.e. decreased drug uptake, increased drug efflux, activation of detoxifying systems, activation of DNA repair mechanisms, evasion of drug-induced apoptosis, etc. Molecular profiling of drug response related genes in healthy and drug-resistant cells may allow for a greater degree of treatment outcome. The aim of this National Symposium on "Multidrug Resistance: Challenges and Perspectives" is to discuss recent advances, challenges, and future perspectives of multidrug resistance in complex diseases. Outstanding scientists will be expected to share their knowledge about various aspects related to the field of Multidrug resistance. The Symposium will reveal the present and future aspects in the field of multidrug resistance which are the need of the hour for instant and precision treatment.

### Organizing Committee

#### Patron

**Prof. V. Murugesan, Ph.D.**  
Vice-Chancellor  
Annamalai University

#### Vice-Patron

**Dr. N. Krishna Mohan, Ph.D.**  
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Dean, Faculty of Science

#### Chair Person

**Dr. N. Nalini**  
Professor and Head  
Dept. of Biochem. & Biotech.  
Annamalai University

#### Convener

**Dr. N. Rajendra Prasad**  
Associate Professor  
Dept. of Biochem. & Biotech.  
Annamalai University

### Topics to be Covered

The Conference will be an interdisciplinary event for stimulating discussions and knowledge sharing on the following topics:

- Pharmacogenomics
- Genetic Polymorphisms
- Drug Response & Pharmacokinetics
- ABC-drug efflux transporters
- Multidrug Resistance in Cancer
- Antimicrobial resistance

### Registration Fee

UG/PG Students : INR 100  
Research Scholar : INR 250  
Staff/Scientist/Faculty : INR 500

DD should be drawn in favour of the "The Registrar, Annamalai University"

### For Communication

Phone: +91-9842305384  
E.mail: drprasadnr@gmail.com

### Speakers

#### **Dr. Ritushree Kukreti**

CSIR-Institute of Genomics and Integrative Medicine, New Delhi.

#### **Dr. G.K. Pal**

Dean, Physiology  
JIPMER, Puducherry

#### **Dr. Mohane Coumar**

School of Life Sciences  
Pondicherry University

### **Oral Presentations:**

#### **Abstract:**

Abstracts must be submitted directly to the email id. drprasadnr@gmail.com A structured abstract is required. The abstract must contain title of paper, name, mailing address, phone, fax and email of first author.

Last date to receive abstract along with registration form and demand draft is **7th February 2020.**

Upon receipt of the completed application form, the acceptance of the abstract for presentation will be intimated to the



