

SYMPOSIUM REPORT

3rd National Symposium On

“EMERGING INFECTIOUS DISEASES AND NOVEL DRUG DEVELOPMENT”

(EID – NDD 2019)

06/12/2019 & 07/12/2019

The third national symposium on “Emerging Infectious Diseases and Novel Drug Development” (EID – NDD 2019) was organized by Department of Pharmaceutical Analysis, Swamy Vivekanandha College of Pharmacy, Elayampalayam, on December 6th and 7th 2019, at the Paramedical A/C auditorium.

Day I – 06.12.2019

The theme of the symposium was “Emerging Infectious Diseases and Novel Drug Development”. The program started with the at 9.00 am with lighting the Kuthuvilaku by Tmt. Krishnaveni Karunanithi and dignitaries on the Dias. Welcome address was given by Prof. Dr. G. Muruganathan, Principal, Swamy Vivekanandha College of Pharmacy. He had welcomed the delegates from various other institutions from Tamilnadu and other states. Totally 350 delegates including students and professionals from various institutions and universities of Tamilnadu and Kerala participated in the symposium.

The presidential address was given by “Vidya Ratna” **Prof. Dr. M. Karunanithi, Chairman and Secretary**. In his speech he briefed the significance of the symposium and insisted the delegates to make use of the sessions to their best level. He also highlighted the role of pharmacist in community services with innovations in health care research, creating awareness to public about the emerging diseases, significance of learning the current trends from industry, etc.,



The conduct of the seminar was blessed with the best wishes of **Tmt. Krishnaveni Karunanithi**, Managing Director; **Dr. K. Kirubanithi**, Vice- chairman;

Dr. S. Arthanareeswaran, Joint Managing Director; **Dr. K. Sreeraghanidhi Arthanareeswaran**, Director; **Mr. M. Chokkalingam**, Chief Executive Officer; **Mr. S. Varatharajan**, Admission director; **Prof. Dr. D. Viswanathan**, Honorary Advisor; **Dr. S. K. Rajkumar**, Chief Executive officer; Vivekanandha Educational Institutions and Vivekanandha Medical Care Hospital, Tiruchengode.

Scientific session I started by 09.30 am, **Dr. K. Ganesh Kumar MBBS., DTCD**, Deputy Director of Medical and Rural Health Services (TB), SALEM, had presented the topic **“Drug Resistance Tuberculosis”** with enlightenments on recent etiology of Tuberculosis, incidence of Tuberculosis in India and current updates in the treatment regimen of Tuberculosis.



Session II was presented by **Dr. S. Vijayaragavan, M.Pharm., Ph.D., PMP.**, Associate Director – Clinical Management, PPD, Bengaluru on the topic **“Clinical Research in Infectious Diseases – Investigational Product Delivery Systems”**. He expounded the ongoing clinical research in global level for the treatment of infectious diseases and the updates in development of various dosage forms and drug delivery systems for better cure.



Session III was engaged by **Dr. K. N. Chidambara Murthy, M. Pharm., D R&D, Ph.D.**, Principal Scientist (Scientist – E of ICMR), Central Research Laboratory, Ramaiah Medical College & Teaching Hospital, Bengaluru on the topic **“Factors Responsible for Emergence and Re-emergence of Infectious Diseases”**. He detailed about the etiologic cause of infectious diseases and the factors which accounts for the re-emerging. He also explained the measures to be taken to prevent the cause and the re-emergence of the diseases.



Session IV was handled by **Mr. M. Ravisankar, M.Pharm.**, Senior Executive, AR&D Department, Mylan R&D Centre, Bengaluru on the topic, **“Role of ICPMS on Elemental Impurity Analysis”**. He explicated the basics on instrumentation of ICPMS, its advantages over the other techniques and applications of ICPMS in elemental analysis.



Session V was presented by **Mr. A. Pari, M. Pharm.**, Associate Scientific Manager, Analytical Science and Technology(R&D) Biocon Research Limited, Bengaluru on the topic, **“Breaking Research of Drug Discovery”**. He conferred about the current innovations and inventions in drug discovery, significance in development of novel drug delivery systems and the impending advancements in drug discovery.

Session VI was taken over by **Mr. G.G.M.B.G. Tilak. Kolusu**, Manager, Formulations Division, Hetero Healthcare Limited, Hyderabad on **“Novel Approaches to Analytical and Bioanalytical Methods”**. He explained the necessity and importance of analytical and bioanalytical methods in pharmaceutical research and findings along with the breakthrough achievements with advances in analytical techniques.

Day II – 07.12.2019

Session I started with the presentation by **Mr. Dinesh Mahalingam, M. Pharm.**, Senior Scientific Manager (Process Science – DP) Biocon Biologics Limited, R&D Division, Bengaluru on the topic **“Advanced Delivery Devices – New Drug Delivery & Stabilization Platforms Gaining Global Interest”**. He described the advancements in the drug delivery devices which paved the way for the betterment in treatment with the modern medicines and the challenges in the development of new devices to meet the global needs.



Session II was held out by **Dr. S. Swapan Kumar Samanta, M.Pharm., Ph.D.**, Principal Scientist – Medicinal Chemistry, Jubilant Biosys Ltd, Bengaluru on the topic **“Prodrug to Improve Drug Efficiency”**. He enlightened the basics of prodrug, its design and the factors by which prodrugs increase the drug efficiency. He also elucidated the merits and demerits in the use of prodrugs.



Session III was presented by **Dr. K.V. Sanjay, M.Pharm., Ph.D.**, Principal Scientist, Jubilant Biosys Ltd, Bengaluru on the topic **“New Drug Discovery Approaches in Infectious Diseases”**. He described the modern approaches in treatment of infectious diseases with new drug moieties developed recently, drugs in development and challenges with new drug discoveries.



Session IV was handled by **Dr. K. Uma Shankar, M. Pharm., Ph.D.**, Professor, Vaagdevi College of Pharmacy, Warangal on the topic, **“Hyphenated Techniques in Biomaterial Investigations”**. He detailed the basics of hyphenation, the advancement in hyphenation of chromatographic and spectroscopic techniques, the challenges encountered during

biomaterial investigations and the recent applications of hyphenated techniques in biomaterial investigations.

Session V was engaged by **Mr. S. Sathish Kumar, M. Pharm.**, Scientist in Analytical Research and Development, Novartis Health care, Hyderabad on the topic **“Standardisation of Phytochemical Constituents and Formulations”**. He enlightened the scope and current scenario of development of herbal formulations, needs for standardization and demand of standardized formulations in global market.

Session VI was taken over by **Dr. Dhatchana Moorthy, M. Pharm., Ph.D.**, Research Scientist, Department of Biotechnology, Orchid Pharma Limited, Chennai on the topic **“Modern Vaccine and Drug Design for Emerging’ Re-emerging Infectious Diseases”**. He detailed about the types, design and the availability of modern vaccines in treatment of infectious diseases.



To continue with the scientific sessions, Valediction was organized and the delegates from various institutions were appreciated with certificates and memento.



Finally, the program was incited with the vote of thanks delivered by **Dr. K. Ananda Kumar**. Professor & Head, Department of Pharmaceutical Analysis by 05.00 pm of 07.12.2019