

Short Introduction to the Book

Tuberculosis has several unique problems in diagnosis, disease progression and treatment. The causative organism *Mycobacterium tuberculosis* is distinguished by its slow growth, lipid rich membrane and unique survival abilities in-side host body. It enjoyed “incurable” status for quite a lot of period in known history. TB Alliance has brought together funding agencies, industries, philanthropists, academia and research organizations to improve the scenario. Two novel drugs entered into market in the last decade and several are in the pipe-line. Newer combinations are being formed to reduce the pill-burden of the patient and toxicity. This book helps in gaining knowledge about the history, origin of TB; drugs in use and under clinical trials; their molecular targets; emphasis was given on resistance.

Short Biography of the Author



Dr. K. Purna completed her B.Pharmacy from Siddartha College of Pharmacy, Vijayawada, Andhra Pradesh, India and Masters from BITS-Pilani, Rajasthan, India. After serving BITS, Pilani as Project Assistant and lecturer for five years, she moved to Andhra University and completed her PhD in Design, synthesis and screening of novel antitubercular agents. She is well versed with synthesis, screening, modern drug discovery tools like CADD, Pharmacophore modelling, virtual screening etc. She is a life member of several scientific societies like APTI, IPGA etc and secured IPA Domagk goldmedal. She has 15 International and National Publications in peer reviewed journals. She has presented 30 papers in various national and international conferences. Currently she is working as a DST, Women Scientist-A in AU College of Pharmaceutical Sciences, Andhra University.



Dr. M. Murali has completed M.Pharmacy and Ph.D. from Andhra University. He has rich experience in identification of bioactive natural products. He has isolated and identified several new bioactive natural products like lamellarin alkaloids, briaranediterpenes, flavonoids, chromones, phenazines, coumarins etc. He has vast experience in handling instruments like LCMS, HPLC etc. His team has developed software tools like AU Docker LE. He has conducted workshops on spectroscopy, molecular modeling; acted as a resource person in several National and International workshops. He is a life member of APTI, IPGA; He secured Prof. Rangaswamy goldmedal. He has 25 International and 10 National Publications in peer reviewed journals, and has written an invited Book Chapter in SNPC along with Dr. K. Purna (Elsevier-Editor: Atta ur Rahman)– Vol.44, Chapter 8. Previously he was associated with BITS, Pilani as a Lecturer. Currently he is working as an Assistant Professor (Sr. Scale) in College of Pharmaceutical Sciences, Andhra University.

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