

1. Record Nr.	UNINA9910806194803321
Titolo	Challenges and Solutions Against Visceral Leishmaniasis // edited by Angamuthu Selvapandian, Ruchi Singh, Niti Puri, Nirmal K. Ganguly
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819969999 9819969999
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (XXI, 449 p. 36 illus., 34 illus. in color.)
Disciplina	571.999
Soggetti	Parasitology Drugs - Design Pharmaceutical chemistry Epidemiology Structure-Based Drug Design Pharmaceutics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Module 1_Epidemiology and Surveillances -- Module 2_Omics and Advancement in Diagnosis -- Module 3_Genetics -- Module 4_New Drug Discovery Opportunity -- Module 5_Immunity and Vaccine Development.
Sommario/riassunto	This book comprehensively reviews the epidemiology and surveillance strategies of Visceral Leishmaniasis, and the latest developments in disease diagnosis, drug discovery, and vaccine development. The initial chapters cover the epidemiology features and spatial distribution of Visceral Leishmaniasis. The book further discusses the manifestations of HIV-Visceral Leishmaniasis infection on the immunopathogenesis, diagnosis, and therapeutic response. It analyzes the role of different proteomic technologies in understanding the parasite development, survival, drug resistance mechanisms, host-pathogen interactions, and the development of new therapeutic approaches. The book concludes by discussing recent advancements in vaccine development for Visceral Leishmaniasis. It discusses the promising vaccine candidate, their developmental status, current challenges, and prospects for rational

vaccine development against Leishmania. This book is an invaluable source of information for students, and researchers working to understand the Leishmania biology, and drug development.
