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Titolo	Automated Diagnostic Techniques in Medical Microbiology / / edited by Sunil Kumar, Awanish Kumar
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ISBN	981-9999-43-X
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Descrizione fisica	1 online resource (204 pages)
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Soggetti	Medical microbiology Archaebacteria Automation Diagnosis Bacteria Virology Medical Microbiology Archaea
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Nota di contenuto	Chapter 1. Desires Objectives, Purposes of Automation in Clinical Microbiology -- Chapter 2. Common Techniques used for automated diagnosis in medical microbiology -- Chapter 3. Automation techniques in Aerobic Bacteriology -- Chapter 4. Automation Techniques in Anaerobic Bacteriology -- Chapter 5. Automation Techniques in Mycobacteriology -- Chapter 6. Automation Techniques in Medical Mycology -- Chapter 7. Automation Techniques in Clinical Virology -- Chapter 8. Automation Techniques in Immunological Disorders -- Chapter 9. Automation Techniques in Tropical Diseases -- Chapter 10. Automation Techniques in Infectious Diseases -- Chapter 11. Quality and Controls in Automation Techniques -- Chapter 12. Obstacles of Conventional to Automation in Clinical Microbiology -- Chapter 13. The Disadvantages of Automation in Clinical Microbiology -- Chapter 14. Future Development of Automated Techniques for Clinical Microbiology.
Sommario/riassunto	This book will explore the knowledge of current diagnostic automation

techniques applied in the field of clinical microbiology, tropical diseases, POCT, etc. There is no such type of book related to this topic. This book will help clinicians, microbiologists, and researchers to make diagnostic algorithms for infectious diseases and help them in early diagnosis. Automation in clinical microbiology has revolutionized routine practice in diagnostic cum research in medical microbiology. This book covers the recent updates and advances in diagnostic microbiology and provides new techniques related to Genomic, Proteomic, and metabolomics in microbiology. This book will intensely discuss the new and innovative automation techniques available for diagnosis in the microbiology laboratory. This book is more focused on automation techniques, which are used in the early detection of infectious diseases even caused by rare microorganisms. Furthermore, this book has complied with the chapters that provide insights to readers with comprehensive and usable knowledge on automation techniques in diagnostic microbiology. .