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Titolo	Bacterial Identification and Drug Susceptibility Patterns in Pregnant and Non Pregnant UTI Patients // by Syeda Sograh Fatima, Eman Al Mussaed
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Descrizione fisica	1 online resource (VI, 78 p. 37 illus., 36 illus. in color.)
Collana	SpringerBriefs in Forensic and Medical Bioinformatics, , 2196-8845
Disciplina	610.28
Soggetti	Biomedical engineering Health informatics Bioinformatics Bacteriology Signal processing Image processing Speech processing systems Biomedical Engineering and Bioengineering Health Informatics Computational Biology/Bioinformatics Signal, Image and Speech Processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	1.Urinary Tract Infections -- 2.Biochemical and Molecular characterization of common UTI Pathogen -- 3.Antibiotic resistance in UTI Bacteria -- 4.Case study.
Sommario/riassunto	This book provides a review of essential research on urinary tract infections (UTIs), as well as a broader perspective on methodologies adopted for the isolation and identification of the bacteria from urine samples of pregnant and non-pregnant women on the basis of their cultural, morphological and biochemical characteristics. The identification is extended to the strain level by means of molecular identification involving BLAST as a bioinformatics tool. The book also addresses the roles of various other bioinformatics tools for tracing the

phylogenetic tree and conservation studies among the bacteriocin of the identified bacteria. Lastly, it assesses the antibiotics resistance patterns of these isolates.

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