

Microbial Forensics, Second Edition

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Microbial Forensics is a rapidly evolving scientific discipline. In the last decade, and particularly due to the anthrax letter attacks in the United States, microbial forensics has become more formalized and has played an increasingly greater role in crime investigations. This has brought renewed interest, development and application of new technologies, and new rules of forensic and policy engagement. It has many applications ranging from biodefense, criminal investigations, providing intelligence information, making society more secure, and helping protect precious resources, particularly human life. A combination of diverse areas is discussed, including the major disciplines of biology, microbiology, medicine, chemistry, physics, statistics, population genetics, and computer science.

Microbial Forensics, Second Edition is fully revised and updated and serves as a complete reference of the discipline. It describes the advances, as well as the challenges and opportunities ahead, and will be integral in applying science to help solve future biocrimes.

This book is intended for a wide audience, but will be indispensable to forensic scientists and researchers interested in contributing to the growing field of microbial forensics. Biologists and microbiologists, the legal and judicial system, and the international community involved with Biological Weapons Treaties will also find this volume invaluable. In addition, the book will be an asset as an educational tool or as a resource for policy makers and other stakeholders.

Key Features:

- New and expanded content that includes statistical analysis of forensic data and legal admissibility and the standards of evidence
- Discussion of actual cases of forensic bioterrorism
- Companion site with materials and photos to further explain microbial forensics
- A collection, in one place, of microbiology, virology, toxicology and mycology information as it relates to forensics
- The Editors and authors are THE leading experts in the field with primary experience in the application of this fast-growing discipline



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