

## Encyclopaedia Of Forensic Science

The quaternary sciences constitute a dynamic, multidisciplinary field of research that has been growing in scientific and societal importance in recent years. This branch of the Earth sciences links ancient prehistory to modern environments. Quaternary terrestrial sediments contain the fossil remains of existing species of flora and fauna, and their immediate predecessors. Quaternary science plays an integral part in such important issues for modern society as groundwater resources and contamination, sea level change, geologic hazards (earthquakes, volcanic eruptions, tsunamis), and soil erosion. With over 360 articles and 2,600 pages, many in full-color, the Encyclopedia of Quaternary Science provides broad ranging, up-to-date articles on all of the major topics in the field. Written by a team of leading experts and under the guidance of an international editorial board, the articles are at a level that allows undergraduate students to understand the material, while providing active researchers with the latest information in the field. Also available online via ScienceDirect (2006) – featuring extensive browsing, searching, and internal cross-referencing between articles in the work, plus dynamic linking to journal articles and abstract databases, making navigation flexible and easy. For more information, pricing options and availability visit [www.info.sciencedirect.com](http://www.info.sciencedirect.com). 360 individual articles written by prominent international authorities, encompassing all important aspects of quaternary science Each entry provides comprehensive, in-depth treatment of an overview topic and presented in a functional, clear and uniform layout Reference section provides guidance for further research on the topic Article text supported by full-color photos, drawings, tables, and other visual material Writing level is suited to both the expert and non-expert Encyclopedia of Geology, Second Edition presents in six volumes state-of-the-art reviews on the various aspects of geologic research, all of which have moved on considerably since the writing of the first edition. New areas of discussion include extinctions, origins of life, plate tectonics and its influence on faunal provinces, new types of mineral and hydrocarbon deposits, new methods of dating rocks, and geological processes. Users will find this to be a fundamental resource for teachers and students of geology, as well as researchers and non-geology professionals seeking up-to-date reviews of geologic research. Provides a comprehensive and accessible one-stop shop for information on the subject of geology, explaining methodologies and technical jargon used in the field Highlights connections between geology and other physical and biological sciences, tackling research problems that span multiple fields Fills a critical gap of information in a field that has seen significant progress in past years Presents an ideal reference for a wide range of scientists in earth and environmental areas of study

This new dictionary covers a wide range of terms used in the field of forensic science, touching on related disciplines such as chemistry, biology, and anthropology. Case examples, figures, and photographs make it the ideal reference for students and practitioners of forensic science, as well as those with an interest in forensic science. "Comprising over 500 entries on the essential topics and informed by the latest theory and research, this innovative reference resource offers a state-of-the-art survey of the fields of criminology and criminal justice. It combines this breadth of coverage with the authority and international perspective of an experienced editorial team, creating a

definitive reference resource for students, scholars, and professionals."--Publisher's description.

Presents an alphabetical encyclopedia of the forensic science principles used in investigating crime scenes and suspects.

This book is specifically designed for non-pathologists who normally interact with forensic pathologists. It covers topics within forensic pathology, including the forensic autopsy, postmortem changes and time of death and body identification.

Encyclopedia of Forensic Sciences Academic Press

Bestselling author of *Broken Ground* "offers fascinating glimpses" into the real world of criminal forensics from its beginnings to the modern day (*The Boston Globe*). The dead can tell us all about themselves: where they came from, how they lived, how they died, and, of course, who killed them. Using the messages left by a corpse, a crime scene, or the faintest of human traces, forensic scientists unlock the mysteries of the past and serve justice. In *Forensics*, international bestselling crime author Val McDermid guides readers through this field, drawing on interviews with top-level professionals, ground-breaking research, and her own experiences on the scene. Along the way, McDermid discovers how maggots collected from a corpse can help determine one's time of death; how a DNA trace a millionth the size of a grain of salt can be used to convict a killer; and how a team of young Argentine scientists led by a maverick American anthropologist were able to uncover the victims of a genocide. Prepare to travel to war zones, fire scenes, and autopsy suites as McDermid comes into contact with both extraordinary bravery and wickedness, tracing the history of forensics from its earliest beginnings to the cutting-edge science of the modern day.

In 438 alphabetically-arranged essays, this work provides a useful overview of the core mathematical background for nonlinear science, as well as its applications to key problems in ecology and biological systems, chemical reaction-diffusion problems, geophysics, economics, electrical and mechanical oscillations in engineering systems, lasers and nonlinear optics, fluid mechanics and turbulence, and condensed matter physics, among others.

First published in 2004. Routledge is an imprint of Taylor & Francis, an informa company.

Forensic science includes all aspects of investigating a crime, including: chemistry, biology and physics, and also incorporates countless other specialties. Today, the service offered under the guise of "forensic science" includes specialties from virtually all aspects of modern science, medicine, engineering, mathematics and technology. The *Encyclopedia of Forensic Sciences, Second Edition* is a reference source that will inform both the crime scene worker and the laboratory worker of each other's protocols, procedures and limitations. Written by leading scientists in each area, every article is peer reviewed to establish clarity, accuracy, and comprehensiveness. As reflected in the specialties of its Editorial Board, the contents covers the core theories, methods and techniques employed by forensic scientists – and applications of these that are used in forensic analysis. This 4-volume set represents a 30% growth in articles from the first edition, with a particular increase in coverage of DNA and digital forensics

Includes an international collection of contributors The second edition features a new 21-member editorial board, half of which are internationally based Includes over 300 articles, approximately 10pp on average Each article features a) suggested readings which point readers to additional sources for more information, b) a list of related Web sites, c) a 5-10 word glossary and definition paragraph, and d) cross-references to related articles in the encyclopedia Available online via SciVerse ScienceDirect. Please visit

[www.info.sciencedirect.com](http://www.info.sciencedirect.com) for more information This new edition continues the reputation of the first edition, which was awarded an Honorable Mention in the prestigious Dartmouth Medal competition for 2001. This award honors the creation of reference works of outstanding quality and significance, and is sponsored by the RUSA Committee of the American Library

### Association

This A to Z encyclopedia provides a comprehensive, definitive, and up-to-date reference of the main areas of specialist and expert knowledge and skills used by those involved in all aspects of the forensic process, including, but not limited to, forensic scientists, doctors, practicing and academic lawyers, paralegals, police, crime scene investigators, analytical chemists, behavioral scientists and toxicologists. This five-volume set covers all topics which, either as part of an established forensic discipline or as a potentially useful emerging discipline, are of interest to those involved in the forensic process. This includes both the scientific methodology and the admissibility of evidence. The encyclopedia also provides case studies of landmark cases in the definition and practice of forensic science. Wiley Encyclopedia of Forensic Science presents all material on a level and in a style that makes it accessible to a wide range of readers. In particular, lawyers needing to better understand the key aspects of the science, and scientists who require a deeper insight into legal issues will find the encyclopedia an important resource, as will physical, biological and behavioral scientists who require background information on the most important aspects of each other's areas of expertise. While one would hope that forensic scientists, investigators, and experts are intrinsically ethical by nature, the reality is that these individuals have morality as varied as the general population. These professionals confront ethical dilemmas every day, some with clear-cut protocols and others that frequently have no definitive answers. Since the publication of the first edition of *Ethics and the Practice of Forensic Science*, the field of forensic science has continued to see its share of controversy. This runs the gamut of news stories from investigators, lab personnel, or even lab directors falsifying results, committing perjury, admitting to fraud, to overturned convictions, questions about bias, ethics, and what constitutes an "expert" on the witness stand. This fully updated edition tackles all these issues—including some specific instances and cases of unethical behavior—and addresses such salient issues as accreditation requirements, standardization of ethical codes, examiner certification, and standards for education and training. The new edition provides: A new chapter on the "Ferguson Effect" faced by the criminal justice system The context of forensic science ethics in relation to general scientific ethics, measurement uncertainty, and ethics in criminal justice Ethical conundrums and real-world examples that forensic scientists confront every day The ethics and conduct codes of 20 different forensic and scientific professional organizations An outline of the National Academies of Science (NAS) recommendations and progress made on ethics in forensic science since the release of the NAS report *Ethics and the Practice of Forensic Science, Second Edition* explores the range of ethical issues facing those who work in the forensic sciences—highlights the complicated nature of ethics and decision-making at the crime scene, in the lab, and in the courts. The book serves both as an essential resource for laboratories to train their employees and as an invaluable textbook for the growing number of courses on ethics in criminal justice and forensic science curricula. Accompanying PowerPoint® slides and an Instructor's Manual with Test Bank are available to professors upon qualifying course adoption.

The first in-depth reference in the field that combines scientific knowledge with philosophical inquiry, *The Philosophy of Science: An Encyclopedia* is a two-volume set that brings together an international team of leading scholars to provide over 130 entries on the essential concepts in the philosophy of science. The areas covered include: biology chemistry epistemology and metaphysics physics psychology and mind the social sciences key figures in the combined studies of science and philosophy. The essays represent the most up-to-date philosophical thinking on timeless scientific topics such as: determinism, explanation, laws of nature, perception, individuality, time, and economics as well as timely topics like adaptation, conservation biology, quantum logic, consciousness, evolutionary psychology, and game theory.

The Encyclopedia of Forensic Sciences provides a comprehensive, definitive, and up to

date reference of the main areas of specialist and expert knowledge and skills used by those involved in all aspects of the forensic process, including, but not limited to forensic scientists, doctors, practicing and academic lawyers, para-legals, police, crime scene investigators, analytical chemists, toxicologists, etc. The Encyclopedia of Forensic Sciences covers all areas of specialist and expert knowledge and skill which, either as part of an established forensic discipline or as a potentially useful emerging discipline, are of interest to those involved in the forensic process. This includes both the scientific methodology and the admissibility of evidence. The encyclopedia also includes case studies of landmark cases in the definition and practice of forensic science. The Encyclopedia of Forensic Sciences presents all material on a level and in a style that makes it accessible to a wide range of readers. Lawyers will be able to understand the science behind scientific evidence, scientists will understand the legal aspects, physical scientists will have access to biological and social sciences aspects and vice versa.

Forensic science includes all aspects of investigating a crime, including: chemistry, biology and physics, and also incorporates countless other specialties. Today, the service offered under the guise of 'forensic science' includes specialties from virtually all aspects of modern science, medicine, engineering, mathematics and technology. The Encyclopedia of Forensic Sciences, Second Edition is a reference source that will inform both the crime scene worker and the laboratory worker of each other's protocols, procedures and limitations. Written by leading scientists in each area, every article is peer reviewed to establish clarity, accuracy, and comprehensiveness. As reflected in the specialties of its Editorial Board, the contents covers the core theories, methods and techniques employed by forensic scientists - and applications of these that are used in forensic analysis. This 4-volume set represents a 30% growth in articles from the first edition, with a particular increase in coverage of DNA and digital forensics. Includes an international collection of contributors. The second edition features a new 21-member editorial board, half of which are internationally based. Includes over 300 articles, approximately 10pp on average. Each article features a) suggested readings which point readers to additional sources for more information, b) a list of related Web sites, c) a 5-10 word glossary and definition paragraph, and d) cross-references to related articles in the encyclopedia. Available online via SciVerse ScienceDirect. Please visit [www.info.sciencedirect.com](http://www.info.sciencedirect.com) for more information. This new edition continues the reputation of the first edition, which was awarded an Honorable Mention in the prestigious Dartmouth Medal competition for 2001. This award honors the creation of reference works of outstanding quality and significance, and is sponsored by the RUSA Committee of the American Library Association.

This new edition of *Forensic Science: The Basics* provides a fundamental background in forensic science as well as criminal investigation and court testimony. It describes how various forms of data are collected, preserved, and analyzed, and also explains how expert testimony based on the analysis of forensic evidence is presented in court. The book

The Advanced Forensic Science Series grew out of the recommendations from the 2009 NAS Report: *Strengthening Forensic Science: A Path Forward*. This volume, *Materials Analysis in Forensic Science* will serve as a graduate level text for those studying and teaching materials analysis in forensic science. It will also prove an

excellent reference for forensic practitioner's libraries or use in their casework. Coverage includes methods, textiles, explosives, glass, coatings, geo-and bio-materials, marks and impressions, as well as various other materials and professional issues the reader may encounter. Edited by a world-renowned leading forensic expert, the Advanced Forensic Science Series is a long overdue solution for the forensic science community. Provides basic principles of forensic science and an overview of materials analysis Contains information on a wide variety of trace evidence Covers methods, textiles, explosives, glass, coatings, geo-and bio-materials, marks and impressions, as well as various other materials Includes a section on professional issues, such as: from crime scene to court, lab reports, health and safety, and field deployable devices Incorporates effective pedagogy, key terms, review questions, discussion question and additional reading suggestions

Countless facial images are generated everyday through digital and cell phone cameras, surveillance video systems, webcams, and traditional film and broadcast video. As a result, law enforcement and intelligence agencies have numerous opportunities to acquire and analyze images that depict persons of interest. Computer-Aided Forensic Facial Compari

Looks at the role of forensic science in criminal investigations and examines forty high-profile cases and the diverse technologies used to solve them, including fingerprinting, handwriting analysis, DNA testing, and toxicology. Simultaneous.

Offers a vivid and entertaining history of the evolution of forensic science and its use in the criminal justice system

A gripping historical true crime narrative that "reads like the best of Conan Doyle himself" (Karen Abbott, author of *The Ghosts of Eden Park*), *American Sherlock* recounts the riveting true story of the birth of modern criminal investigation.

Berkeley, California, 1933. In a lab filled with curiosities--beakers, microscopes, Bunsen burners, and hundreds upon hundreds of books--sat an investigator who would go on to crack at least two thousand cases in his forty-year career. Known as the "American Sherlock Holmes," Edward Oscar Heinrich was one of America's greatest--and first--forensic scientists, with an uncanny knack for finding clues, establishing evidence, and deducing answers with a skill that seemed almost supernatural. Heinrich was one of the nation's first expert witnesses, working in a time when the turmoil of Prohibition led to sensationalized crime reporting and only a small, systematic study of evidence. However with his brilliance, and commanding presence in both the courtroom and at crime scenes, Heinrich spearheaded the invention of a myriad of new forensic tools that police still use today, including blood spatter analysis, ballistics, lie-detector tests, and the use of fingerprints as courtroom evidence. His work, though not without its serious--some would say fatal--flaws, changed the course of American criminal investigation. Based on years of research and thousands of never-before-published primary source materials, *American Sherlock* captures the life of the man who pioneered the science our legal system now relies upon--as well as the limits of those techniques and the very human experts who wield them.

Forensic Science: The Basics, Fourth Edition is fully updated, building on the popularity of the prior editions. The book provides a fundamental background in forensic science, criminal investigation and court testimony. It describes how various forms of evidence are collected, preserved and analyzed scientifically, and then presented in court based on the analysis of the forensic expert. The book addresses knowledge of the natural and physical sciences, including biology and chemistry, while introducing readers to the application of science to the justice system. New topics added to this edition include coverage of the formation and work of the NIST Organization of Scientific Area Committees (OSACs), new sections on forensic palynology (pollen), forensic taphonomy, the opioid crisis, forensic genetics and genealogy, recent COVID-19 fraud schemes perpetrated by cybercriminals, and a wholly new chapter on forensic psychology. Each chapter presents a set of learning objectives, a mini glossary, and acronyms. While chapter topics and coverage flow logically, each chapter can stand on its own, allowing for continuous or selected classroom reading and study. Forensic Science, Fourth Edition is an ideal introductory textbook to present forensic science principles and practices to students, including those with a basic science background without requiring prior forensic science coursework.

When asking the question what is wine? there are various ways to answer. Wine is extolled as a food, a social lubricant, an antimicrobial and antioxidant, and a product of immense economic significance. But there is more to it than that. When did humans first start producing wine and what are its different varieties? Are wines nutritious or have any therapeutic values—do they have any role in health or are they simply intoxicating beverages? How are their qualities determined or marketed and how are these associated with tourism? Concise Encyclopedia of Science and Technology of Wine attempts to answer all these questions and more. This book reveals state-of-the-art technology of winemaking, describing various wine regions of the world and different cultivars used in winemaking. It examines microbiology, biochemistry, and engineering in the context of wine production. The sensory qualities of wine and brandy are explored, and the composition, nutritive and therapeutic values, and toxicity are summarized. Selected references at the end of each chapter provide ample opportunity for additional study.

**Key Features:** Elaborates on the recent trends of control and modeling of wine and the techniques used in the production of different wines and brandies Focuses on the application of biotechnology, especially genetic engineering of yeast, bioreactor technological concepts, enzymology, microbiology, killer yeast, stuck and sluggish fermentation, etc. Illustrates the biochemical basis of wine production including malolactic fermentation Examines marketing, tourism, and the present status of the wine industry Concise Encyclopedia of Science and Technology of Wine contains the most comprehensive, yet still succinct, collection of information on the science and technology of winemaking. With 45 chapters contributed by leading experts in their fields, it is an indispensable treatise offering extensive details of the

processes of winemaking. The book is an incomparable resource for oenologists, food scientists, biotechnologists, postharvest technologists, biochemists, fermentation technologists, nutritionists, chemical engineers, microbiologists, toxicologists, organic chemists, and the undergraduate and postgraduate students of these disciplines.

Covers all aspects of forensic science past and present, from types of crime and evidence, to forensic scientists and officials, to the criminals they seek.

The Encyclopedia of RESEARCH METHODS IN CRIMINOLOGY & CRIMINAL JUSTICE The most comprehensive reference work on research designs and methods in criminology and criminal justice This Encyclopedia of Research Methods in Criminology and Criminal Justice offers a comprehensive survey of research methodologies and statistical techniques that are popular in criminology and criminal justice systems across the globe. With contributions from leading scholars and practitioners in the field, it offers a clear insight into the techniques that are currently in use to answer the pressing questions in criminology and criminal justice. The Encyclopedia contains essential information from a diverse pool of authors about research designs grounded in both qualitative and quantitative approaches. It includes information on popular datasets and leading resources of government statistics. In addition, the contributors cover a wide range of topics such as: the most current research on the link between guns and crime, rational choice theory, and the use of technology like geospatial mapping as a crime reduction tool. This invaluable reference work: Offers a comprehensive survey of international research designs, methods, and statistical techniques Includes contributions from leading figures in the field Contains data on criminology and criminal justice from Cambridge to Chicago Presents information on capital punishment, domestic violence, crime science, and much more Helps us to better understand, explain, and prevent crime Written for undergraduate students, graduate students, and researchers, The Encyclopedia of Research Methods in Criminology and Criminal Justice is the first reference work of its kind to offer a comprehensive review of this important topic.

Do you want forensics to play a starring role in your fiction, but you find that you're not quite sure what it's all about? Forensic Science for Writers reveals the secrets behind forensic science technology. You'll explore how investigators analyze blood, DNA, fingerprints, hair, documents, ammunition, corpses, and other physical evidence. From the code-breaking tricks of the cyber-sleuth to the traditional procedures of the autopsy room, you'll investigate the strengths and weaknesses of forensic science. Forensic Science for Writers is not just about science. You'll learn how to use forensics to create plot twists. And you'll see how best-selling authors successfully incorporated forensic science in their stories. You'll also learn common misconceptions about forensic analysis that plague films and novels – the types of errors that you'll want to avoid in your own writing. This book is based upon an online course that was offered through colleges and other organizations. More than 800 students took the course, including writers,

schoolteachers, law enforcement personnel, and attorneys. "As an already successful writer," one student said, "I am sure I will refer to these lessons over the coming years as I continue to write novels."

Encyclopedia of Forensic and Legal Medicine, Volumes 1-4, Second Edition is a pioneering four volume encyclopedia compiled by an international team of forensic specialists who explore the relationship between law, medicine, and science in the study of forensics. This important work includes over three hundred state-of-the-art chapters, with articles covering crime-solving techniques such as autopsies, ballistics, fingerprinting, hair and fiber analysis, and the sophisticated procedures associated with terrorism investigations, forensic chemistry, DNA, and immunoassays. Available online, and in four printed volumes, the encyclopedia is an essential reference for any practitioner in a forensic, medical, healthcare, legal, judicial, or investigative field looking for easily accessible and authoritative overviews on a wide range of topics. Chapters have been arranged in alphabetical order, and are written in a clear-and-concise manner, with definitions provided in the case of obscure terms and information supplemented with pictures, tables, and diagrams. Each topic includes cross-referencing to related articles and case studies where further explanation is required, along with references to external sources for further reading. Brings together all appropriate aspects of forensic medicine and legal medicine Contains color figures, sample forms, and other materials that the reader can adapt for their own practice Also available in an on-line version which provides numerous additional reference and research tools, additional multimedia, and powerful search functions Each topic includes cross-referencing to related articles and case studies where further explanation is required, along with references to external sources for further reading

The Encyclopedia of Criminology and Criminal Justice is an international, comprehensive reference tool for the field of Criminology and Criminal Justice that is both cutting edge as well as of very high scientific quality and prestige. This 10-volume work provides a complete and systematic coverage of the field that is unprecedented. The Encyclopedia "defines the field" through its choice of organization and entries. It identifies and brings emerging ideas and trends to the forefront. The Encyclopedia covers Criminology and Criminal Justice in ten broad areas, with leading researchers writing substantive contributions within their area of expertise: Corrections and Criminal Justice Supervision in the Community Courts, Sentencing and the Judicial System Crimes, Criminals and Victims Crime Places and Situations Explanations for Criminal Behavior Forensic Science Data, Methods, and Statistics Police and Law Enforcement Psychology of Law Social Interventions and Prevention This work features approximately 600 entries, organized in alphabetical order. The work is comprised under the direction of two Editors-in-Chief in consultation with 12 Associate Editors and more than 180 Area Editors. It is an essential and dynamic reference for researchers in the fields of Criminology and Criminal Justice, as well as useful a research tool for those in related fields of the social and behavioral sciences.

The Advanced Forensic Science Series grew out of the recommendations from the



2009 NAS Report: "Strengthening Forensic Science: A Path Forward." This volume, Firearm and Toolmark Examination and Identification, will serve as a graduate-level text for those studying and teaching firearm and toolmark examination and identification. It will also prove an excellent reference for forensic practitioner's libraries or use in their casework. Coverage includes a wide variety of tools and toolmarks, analysis of gunshots, ammunition, gunshot wounds and professional issues they may encounter. Provides basic principles of forensic science and an overview of firearms and toolmarks Contains information on a wide variety of tools and toolmarks Covers the analysis and interpretation of gunshots, ammunition and gunshot wounds Includes a section on professional issues, such as: from crime scene to court, lab reports, and health and safety Incorporates effective pedagogy, key terms, review questions, discussion question and additional reading suggestions

"This set of books represents a detailed compendium of authoritative, research-based entries that define the contemporary state of knowledge on technology"--Provided by publisher.

Criminalistics is that sub-field of Forensic Science dealing with the collection, preservation, examination, and interpretation of physical evidence. Introduction to Criminalistics: The Foundation of Forensic Science covers the basics of Criminalistics in a textbook for a one or two semester course with the intention of preparing the student for a future in forensic science. The role of the Criminalist is to analyze, compare, identify, and interpret physical evidence in the crime lab. These crime labs, or forensic labs, have two primary functions: identifying evidence, and linking suspect, victim, and crime scene through physical evidence. This new primer introduces the learner to the structure and organization of the crime lab and to the role of the Criminalist. Topics covered include how to process a crime scene and preserve evidence, the basic principles of firearm examination, latent fingerprints, and rudimentary toxicology, or how to determine the presence or absence of drugs and poisons. Well organized and methodical, this colorful textbook, written by an eminent professional, has the potential to become the standard text for applying techniques of the physical and natural sciences to examining physical evidence. \* Uses real cases – recent and historic – to illustrate concepts \* Colorful pedagogy clearly defines chapter elements and sets this text apart from next best \* Presents the basics of forensic sciences in a one-semester or one-year course \* Offers excellent preparation for professional examinations \* Delivers the latest in laboratory technique while acknowledging the limits of technology

The SAGE Encyclopedia of Criminal Psychology will be a modern, interdisciplinary resource aimed at students and professionals interested in the intersection of psychology (e.g., social, forensic, clinical), criminal justice, sociology, and criminology. The interdisciplinary study of human behavior in legal contexts includes numerous topics on criminal behavior, criminal justice policies and legal process, crime detection and prevention, eyewitness identification, prison life, offender assessment and rehabilitation, risk assessment and management, offender mental health, community reintegration, and juvenile offending. The study of these topics has been increasing continually since the late 1800s, with people trained in many legal professions such as policing, social work, law, academia, mental health, and corrections. This will be a comprehensive work that will provide the most current empirical information on those

topics of greatest concern to students who desire to work in these fields. This encyclopedia is a unique reference work that looks at criminal behavior primarily through a scientific lens. With over 500 entries the book brings together top empirically driven researchers and clinicians across multiple fields—psychology, criminology, social work, and sociology—to explore the field.

Written by experts for the general audience, this A-Z presentation covers all aspects of forensic science from its beginning to its central place in modern law enforcement. Forensic science evidence plays a pivotal role in modern criminal proceedings. Yet such evidence poses intense practical and theoretical challenges. It can be unreliable or misleading and has been associated with miscarriages of justice. In this original and insightful book, a global team of prominent scholars and practitioners explore the contemporary challenges of forensic science evidence and expert witness testimony from a variety of theoretical, practical and jurisdictional perspectives. Chapters encompass the institutional organisation of forensic science, its procedural regulation, evaluation and reform, and brim with comparative insight.

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