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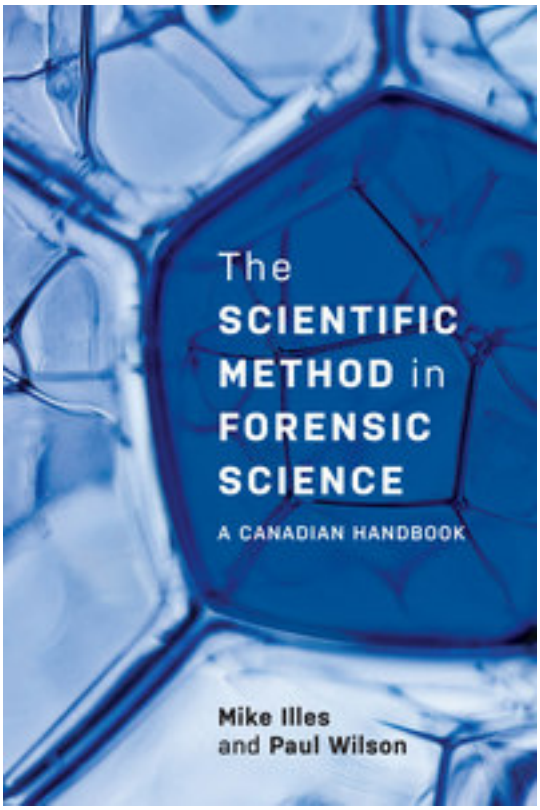
The Scientific Method in Forensic Science
A Canadian Handbook



Subjects

Sociology of Crime and Justice
Science
Police Studies
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Sociology
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Written for the Canadian forensic science student and the professional practitioner, this timely and practical handbook provides an experience-based learning tool. This text offers an understanding of scientific method and evidence-based analysis and how they relate to forensic science and its casework—from the crime scene to the courtroom—within the Canadian context. The authors explore the paradigm shift in forensic science, highlight basic skills like scientific reasoning and literature review, as well as untangle the complexities of ethics and bias, research design, critical thought, and best practices for communication in various settings. Case examples and court testimonies are reviewed to underscore the importance of these concepts. By blending such real-life examples with scientific concepts like validation, peer review, accountability, and transparency, _The Scientific Method in Forensic Science_ is a fundamental read for students in introductory forensics, criminology, police studies, and anthropology. **FEATURES**

- includes questions for critical thought, suggestions for further reading, a glossary, and additional instructional popouts
- provides an experience-based learning opportunity for understanding the scientific method
- utilizes case studies and court transcripts to illustrate practical applications in a Canadian context

Author Information

Mike Illes
Mike Illes is a Professor in the Trent University Forensic Science Undergraduate and Graduate Programs. Prior to this, he spent 24 years as a Canadian forensic science practitioner and instructed on forensic science in the United States, Switzerland, the Netherlands, Scotland, and other Canadian academic institutions.
Paul Wilson
Dr. Paul Wilson has participated in hundreds of cases and has testified in over 30 trials as an expert witness in DNA profiling and wildlife forensic science. He served as the founding Chair of the Professional Forensic Science Program at Trent University. Paul served as the Canada Research Chair in DNA Profiling, Forensics and Functional Genomics for two terms, 10 years, and is currently a Professor in the Biology Department at Trent University.

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