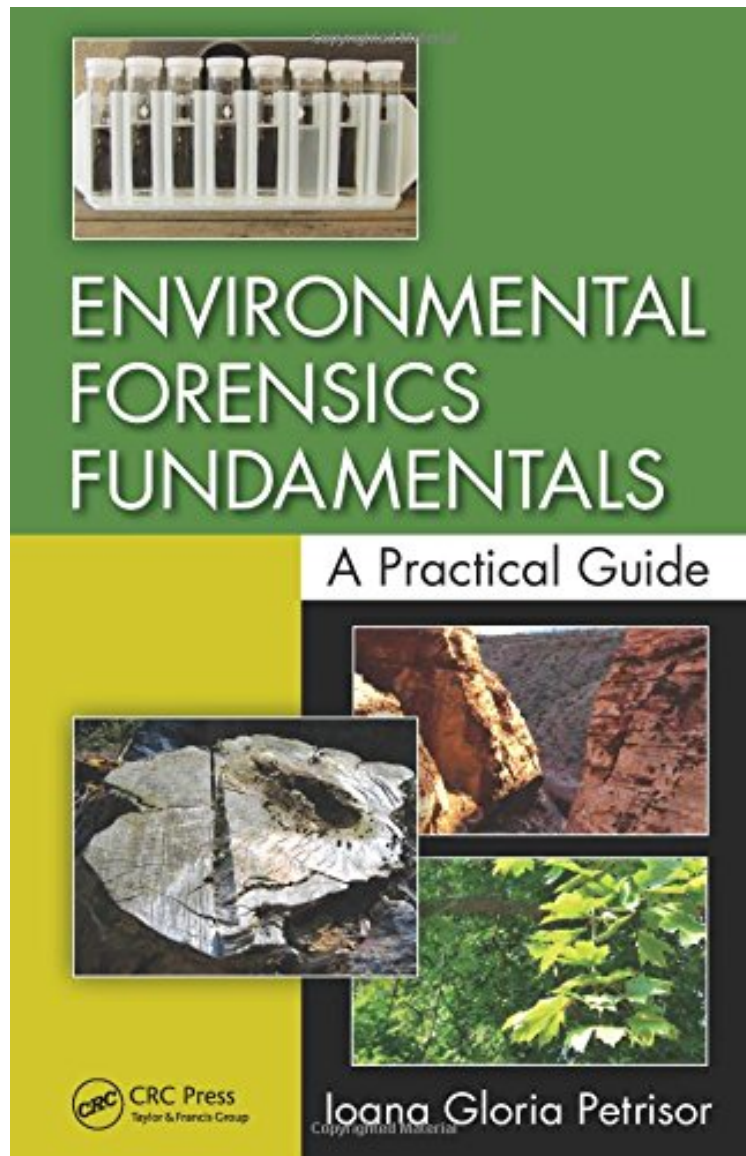


(Download) Environmental Forensics Fundamentals: A Practical Guide

Environmental Forensics Fundamentals: A Practical Guide

Ioana Gloria Petrisor

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Ioana Gloria Petrisor : Environmental Forensics Fundamentals: A Practical Guide before purchasing it in order to gage whether or not it would be worth my time, and all praised Environmental Forensics Fundamentals: A Practical Guide:

A Practical Guide to Environmental Crime Scene Investigations Releasing contaminants into the environmentwhether

deliberate or unintentional can be thought of as a crime against the environment. The role of environmental forensics is to identify and prevent environmental pollution, or crimes. *Environmental Forensics Fundamentals: A Practical Guide* examines this growing field, and provides environmental professionals looking to specialize in environmental forensics with the materials they need to effectively investigate and solve crimes against the environment. *Pointing the Finger at Environmental Crime* Environmental forensics uses "fingerprinting" techniques in order to assess and analyze contamination sites. Fingerprinting can reveal the source of contamination, as well as how, where, and when the contamination was released. This handy guidebook outlines the proven techniques, applications, and resources needed to efficiently investigate environmental crimes and become successful in this emerging field. *Learn the Basics from a Single Source* Divided into three main parts, the first part of the book examines the role of evidence in forensic investigations and court proceedings. It highlights general forensic concepts and offers guidelines for obtaining defensible evidence. The second part details environmental forensic investigative techniques. It includes a step-by-step guide that enables the reader to apply the techniques in practice. The final section covers strategy building. It presents real case studies, as well as key principles and concepts for strategy building, and addresses the most common challenges faced in environmental forensics. *Environmental Forensics Fundamentals: A Practical Guide* provides information on cutting-edge scientific techniques that investigate the source and age of environmental pollution and solve environmental crimes. It examines the principles behind each main forensic technique. It also offers guidance on what to look for in order to successfully apply the techniques and interpret results. In addition, the author provides relevant sources where more information can be found.

"This book cites Agatha Christie and it defines evidence as the traces left by the commission of a crime. It explains what evidence convinces juries and how to refute the allegation that your client caused the contamination. This book does not present a framework or logical approach for environmental forensics. Rather, it presents a section of techniques and then a section of successful cases in anonymized and somewhat abstracted form. The cases were, for me, the most intriguing part of the book. The case-based approach to pedagogy is not new, but I thought that Petrisor's use of that approach was particularly effective." *Integrated Environmental Assessment and Management*, 2015

"provides information on cutting-edge scientific techniques that investigate the source and age of environmental pollution and solve environmental crimes. an easy-to-follow and well-organised guide for anyone interested in learning environmental forensics or simply becoming informed on what forensics means when applied to the environment." *International Journal of Environmental Analytical Chemistry*, December 2014

About the Author Dr. Ioana G. Petrisor is a biochemist specializing in environmental forensics and litigation support. As an instructor with the AEHS (Association for Environmental Health and Sciences) Foundation and EOS (Environmental, Outreach, and Stewardship) Alliance, she teaches both online and in-class environmental forensic courses. Dr. Petrisor has a PhD in biochemistry (environmental biotechnology) from the Romanian Academy of Sciences and a bachelors in chemistry (biochemistry major) from Bucharest University, Romania. She is editor-in-chief of the *Environmental Forensics Journal*, and has extensive publication experience, including an invention patent, six book chapters, over 70 research and review articles, 12 editorials, and three technical guidelines.