

1. Record Nr.	UNINA9910141379003321
Titolo	Forensic ecology handbook [[electronic resource] ] : from crime scene to court / / edited by Nicholas Marquez-Grant and Julie Roberts
Pubbl/distr/stampa	Chichester ; ; Hoboken, N.J., : John Wiley & Sons, 2012
ISBN	1-118-37401-0 1-283-70014-X 1-118-37405-3 1-118-37404-5
Descrizione fisica	1 online resource (270 p.)
Collana	Developments in Forensic Science
Altri autori (Persone)	Marquez-GrantNicholas <1976-> RobertsJulie (Julie J.)
Disciplina	363.25
Soggetti	Forensic sciences Forensic anthropology Forensic archaeology Forensic botany Environmental sciences Crime scene searches
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Forensic Ecology Handbook; Contents; About the Editors; List of Contributors; Series Foreword : Developments in forensic science; Foreword; Foreword; 1 Introduction; References; 2 Aspects of crime scene management; 2.1 Introduction; 2.2 Professionals within the investigation; 2.2.1 Senior Investigating Officer; 2.2.2 The Enquiry Team; 2.2.3 The Exhibits Officer; 2.2.4 Disclosure Officer; 2.2.5 Crime Scene Manager; 2.2.6 Forensic Practitioner; 2.2.7 Forensic Photographer; 2.2.8 Evidence Recovery Unit; 2.2.9 Police Search Advisor Team; 2.2.10 Home Office Pathologist; 2.2.11 The Coroner 2.2.12 Uniformed Police Officer2.3 Crime scene principles; 2.3.1 The crime scene; 2.3.2 Security and protection; 2.3.3 Chain of Custody; 2.3.4 Continuity; 2.3.5 Integrity; 2.3.6 Contamination; 2.4 Records and documentation; 2.4.1 The crime scene log (Book 197); 2.4.2 The Crime Scene Manager's log (Book 199); 2.4.3 The exhibits book (Book 170);

2.4.4 Notes and photos; 2.5 Crime scene attendance; 2.5.1 Employment; 2.5.2 Arrival; 2.5.3 Common approach path; 2.5.4 Briefing; 2.5.5 Forensic strategy; 2.5.6 Protective clothing; 2.5.7 Dynamic risk assessment; 2.5.8 Mortuary attendance; 2.5.9 Conclusion of works; 2.6 Expectations; 2.7 Conclusion; Acknowledgements; References; 3 Forensic archaeology; 3.1 Introduction; 3.2 Forensic archaeology at a crime scene; 3.3 Pre-scene attendance; 3.3.1 Initial contact; 3.3.2 Briefing; 3.4 Scene attendance; 3.4.1 Search; 3.4.2 Recovery; 3.4.3 Recording remains; 3.5 Case studies; 3.6 Reporting and court testimony; 3.6.1 Court appearance; 3.7 Conclusion; References; 4 Forensic anthropology; 4.1 Introduction; 4.2 The role of the Forensic Anthropologist in criminal investigation; 4.3 Pre-scene attendance; 4.4 Scene attendance; 4.5 In the mortuary; 4.6 Positive identification; 4.7 Production of an Expert Witness Statement and court attendance; 4.8 Conclusion; References; 5 Forensic radiography; 5.1 Introduction and current state of the discipline; 5.2 Application of radiology to the analysis and identification of human remains; 5.2.1 Establishing context; 5.2.2 Human identification; 5.2.3 Analysis of injuries and retrieval of evidence; 5.3 Conclusion; References; 6 DNA analysis for victim identification; 6.1 Introduction; 6.2 Taking DNA samples from the deceased; 6.2.1 Reconciliation of body parts to specific individuals; 6.2.2 Storage of DNA samples; 6.3 Collection of reference samples for victim identification; 6.3.1 Direct reference samples; 6.3.2 Surrogate reference samples; 6.3.3 Next of kin samples; 6.4 DNA laboratory analysis; 6.4.1 DNA structure and function; 6.4.2 DNA in forensics; 6.5 Common DNA profiling tests; 6.5.1 High-sensitivity DNA profiling tests; 6.5.2 Profiling results and the matching process; 6.5.3 Databases; 6.5.4 Incomplete and mixed profiles; 6.6 Conclusion; References; 7 Other scientific methods related to victim identification; 7.1 Introduction

---

Sommario/riassunto

The analysis of plants, insects, soil and other particulates from scenes of crime can be vital in proving or excluding contact between a suspect and a scene, targeting search areas, and establishing a time and place of death. *Forensic Ecology: A Practitioner's Guide* provides a complete handbook covering all aspects of forensic ecology. Bringing together the forensic applications of anthropology, archaeology, entomology, palynology and sedimentology in one volume, this book provides an essential resource for practitioners in the field of forensic science, whether crime scene investiga

---