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Autore	Rivers David B. <1966->
Titolo	The science of forensic entomology / / David B. Rivers, Gregory A. Dahlem
Pubbl/distr/stampa	Chichester, England : , : Wiley Blackwell, , 2014 ©2014
ISBN	1-118-40303-7 1-119-94036-2 1-118-40304-5
Descrizione fisica	1 online resource (402 p.)
Altri autori (Persone)	DahlemGregory A
Disciplina	614/.17
Soggetti	Forensic entomology Flies Carrion insects Postmortem changes Electronic books.
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	The Science of Forensic Entomology; Copyright; Contents; About the companion website; Preface; Chapter 1 Role of forensic science in criminal investigations; Overview; The big picture; 1.1 What is forensic science?; 1.2 Application of science to criminal investigations; 1.2.1 Physical evidence; 1.2.2 Collection of evidence; 1.2.3 The scientific method is the key to forensic analyses; 1.2.4 Analysis of physical evidence; 1.3 Recognized specialty disciplines in forensic science; 1.3.1 Forensic pathology; 1.3.2 Forensic anthropology; 1.3.3 Forensic dentistry (odontology) 1.3.4 Forensic psychology and psychiatry 1.3.5 Forensic toxicology; 1.3.6 Computer forensic science/computer forensics; 1.3.7 Forensic botany; Chapter review; What is forensic science?; Application of science to criminal investigations; Recognized specialty disciplines in forensic science; Test your understanding; Notes; References cited; Supplemental reading; Additional resources; Chapter 2 History of forensic entomology; Overview; The big picture; 2.1 Historical records

of early human civilizations suggest understanding of insect biology and ecology
2.2 Early influences leading to forensic entomology 2.2.1 Thirteenth-century China; 2.2.2 Seventeenth-century Europe; 2.2.3 Eighteenth-century Europe; 2.3 Foundation for discipline is laid through casework, research, war, and public policy; 2.3.1 Casework in Europe; 2.3.2 Influences from the United States; 2.4 Turn of the twentieth century brings advances in understanding of necrophagous insects; 2.5 Forensic entomology during the "great" wars; 2.6 Growth of the discipline due to the pioneering efforts of modern forensic entomologists leads to acceptance by judicial systems and public Chapter review Historical records of early human civilizations suggest understanding of insect biology and ecology; Early influences leading to forensic entomology; Foundation for discipline is laid through casework, research, war, and public policy; Turn of the twentieth century brings advances in understanding of necrophagous insects; Forensic entomology during the "great" wars; Growth of the discipline due to the pioneering efforts of modern forensic entomologists leads to acceptance by judicial systems and public; Test your understanding; Level 1: knowledge/comprehension
Level 2: application/analysis Notes; References cited; Supplemental reading; Additional resources; Chapter 3 Role of insects and other arthropods in urban and stored product entomology; Overview; The big picture; 3.1 Insects and other arthropods are used in civil, criminal, and administrative matters pertinent to the judicial system; 3.2 Civil cases involve disputes over private issues; 3.3 Criminal law involves more serious matters involving safety and welfare of people; 3.4 Administrative law is concerned with rulemaking, adjudication, or enforcement of specific regulatory agendas
3.5 Stored product entomology addresses issues of both a civil and criminal nature

Sommario/riassunto

The Science of Forensic Entomology is designed to meet the growing needs of colleges, universities, and forensic investigative agencies in training undergraduates, graduate students, and criminal investigators the principles, concepts and methodologies necessary to use insects and other arthropods in legal matters. The book offers an advanced introduction to the field but also provides in depth discussion of biological concepts associated with insect biology, ecology, physiology and chemical communication.

2. Record Nr. UNINA9910781986203321

Autore	Buatois Luis A.
Titolo	Ichnology : organism-substrate interactions in space and time / / Luis A. Buatois, M. Gabriela Mangano [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2011
ISBN	1-107-21844-6 1-139-12400-5 1-283-29553-9 9786613295538 1-139-12204-5 1-139-11630-4 1-139-11194-9 1-139-12696-2 0-511-97562-7 1-139-11413-1
Descrizione fisica	1 online resource (xii, 358 pages) : digital, PDF file(s)
Classificazione	SCI054000
Disciplina	560/.43
Soggetti	Ichnology Paleoecology
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: Part I. Conceptual Tools and Methods: 1. The basics of ichnology; 2. Taxonomy of trace fossils; 3. Paleobiology of trace fossils; 4. The ichnofacies model; 5. The ichnofabric approach; Part II. Spatial Trends: 6. Trace fossils and paleoecology; 7. Ichnology of shallow-marine clastic environments; 8. Ichnology of marginal-marine environments; 9. Ichnology of deep-marine clastic environments; 10. Ichnology of continental environments; 11. Ichnology of carbonate environments, rocky shorelines and volcanic terrains; Part III. A Matter of Time: 12. Trace fossils in sequence stratigraphy; 13. Trace fossils in biostratigraphy; 14. Trace fossils in evolutionary paleoecology; 15. Trace fossils in paleoanthropology and archeology; References; Index.

Sommario/riassunto

Ichnology is the study of traces created in the substrate by living organisms. This is the first book to systematically cover basic concepts and applications in both paleobiology and sedimentology, bridging the gap between the two main facets of the field. It emphasizes the importance of understanding ecologic controls on benthic fauna distribution and the role of burrowing organisms in changing their environments. A detailed analysis of the ichnology of a range of depositional environments is presented using examples from the Precambrian to the recent, and the use of trace fossils in facies analysis and sequence stratigraphy is discussed. The potential for biogenic structures to provide valuable information and solve problems in a wide range of fields is also highlighted. An invaluable resource for researchers and graduate students in paleontology, sedimentology and sequence stratigraphy, this book will also be of interest to industry professionals working in petroleum geoscience.