

Insect Collection and Identification

Techniques for the Field and Laboratory

Provides the latest information on collecting, preparing, shipping, and identifying insects.

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Insect Collection and Identification: Techniques for the Field and Laboratory is the definitive text on all aspects required for collecting and properly preparing specimens for identification. This edition provides detailed and up-to-date taxonomic keys to insects and related arthropods given recent classification changes to various insect taxa, along with updated preservation materials and techniques for molecular and genomic studies.

A follow-up edition of *Arthropod Collection and Identification* (Academic Press, 2005), this new book presents the latest methods of rearing, storing, and shipping specimens, along with a supporting glossary. A new section provides suggestions on how insects and other arthropods can be used within and outside the formal classroom. The growing field of forensic entomology necessitates that law enforcement personnel, coroners, and others involved in crime scene investigations properly collect and prepare insects to preserve the chain of custody requirement in courts of law. A new section in this book examines currently accepted procedures for collecting insects at crime scenes.

This text is a necessary reference for entomology professionals and researchers who seek the most updated taxonomy and techniques for collection and preservation. It also serves as a valuable resource for entomology students who need illustrative and detailed information for easy arthropod identification.

Key Features

- Features updated molecular preservation techniques and concise illustrations for anatomical identification
- Provides an overview of general insect anatomy with up-to-date dichotomous keys
- Offers examples insect-arthropod-based activities for science projects
- Expands the forensic aspect of evidence collection and chain-of-custody requirements

Related Elsevier Titles

- Gibb, *Contemporary Insect Diagnostics*, 9780124046238
- Klowliden, *Physiological Systems in Insects*, 3rd edition, 9780124158191
- Vega, *Insect Pathology*, 2nd edition, 9780123849847

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