



Biosynthesis in Insects: Advanced Edition (Paperback)

By E. David. Morgan

Royal Society Of Chemistry, United Kingdom, 2010. Paperback. Condition: New. 2nd New edition. Language: English . Brand New Book. The chemical study of insects has been growing for four decades, and with it an interest in how insects make their pheromones, hormones, defensive secretions, venoms, pigments and surface coverings. By investigating the biosynthesis of insects, one can gain a greater insight into the structure and function of insect compounds, into ways of disrupting biosynthetic reactions in pest species and how these pathways evolved. The first textbook of its kind, Biosynthesis in Insects amalgamates previously fragmented information and recent exciting developments in the field to provide a unique, concise chemical study of how insect substances are biosynthesised. This book provides a comprehensive introduction to the ways that have been investigated, by which a great variety of insects, and some related arthropods, make their so-called secondary metabolites. Simpler biosynthetic pathways are explored before considering the experimental methods by which these studies are conducted. Consideration is also given to some of the plant substances which insects store or metabolize to their own use. Abundantly illustrated with structures and reactions, and some beautiful photographs, Biosynthesis in Insects includes a series of problems and answers...



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