

SYSTEMATICS ASSOCIATION

SPECIAL VOLUME SERIES



Evolution of Plant–Pollinator Relationships

What are the evolutionary mechanisms and ecological implications behind a pollinator choosing its favorite flower? 65 million years of evolution have created the complex and integrated system which we see today, and understanding the interactions involved is key to environmental sustainability.

Examining pollination relationships from an evolutionary perspective, this book covers both botanical and zoological aspects. It addresses the puzzling question of co-speciation and co-evolution and the complexity of the relationships between plant and pollinator, the development of which is examined through the fossil record. Additional chapters are dedicated to the evolution of floral displays and signaling, as well as their role in pollination syndromes and the building of pollination networks. Wide ranging in its coverage, the book outlines current knowledge and complex emerging topics, demonstrating how advances in research methods are applied to pollination biology.

SÉBASTIEN PATINY is a scientific collaborator in the Laboratory of Zoology, Université de Mons, Belgium. A large part of his research focuses on desert species of bees, their distribution, and the importance of biogeographical features in some species-level radiations. He is currently developing a series of papers dedicated to the inference of large phylogenetic topologies.

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