

New results in floral biology of Asclepiadoideae (Apocynaceae)

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Progress in the phylogeny of Apocynaceae and in Asclepiadoideae allows analysis of pollination patterns and the correlated morphological features. Examples for self-pollination are shown. Myophily, as the most frequently encountered mode of pollinia-transfer, is discussed in detail and other modes of pollinia-transfer are illustrated. Wasp pollination as a possibly important but overlooked mode of pollination, is discussed. Homoiology as a feature confusing Asclepiadoideae systematics is demonstrated with several examples. Finally, the role of *Asclepias* as a model genus in pollination studies is discussed.