

Special Issue

Pollinator Diversity and Pollination in Agricultural Systems

Message from the Guest Editor

Animal mediated pollination is important for the diverse food that we consume, depending upon the culture and geographic region in question. While there have been recent advances in pollinator diversity and community ecology associated with crop plants, much remains to be learned about crop plant pollination and the specific roles of crop plant reproductive syndromes and the temporal and spatial dynamics of pollinator diversity and abundance. In most crop production systems dependent upon animal pollination, other areas that have not been well researched are the effectiveness of pollinator reservoirs, the competition of neighboring flowering plant pollen with crop bloom, the longevity of stigma receptivity, within-crop-species pollen compatibility and planting designs to maximize fruit sets, the insect efficacy of pollen vectoring, the effects of agricultural chemicals on insect visitation, fruit sets and yields, and plant resource constraints on flower development, all of which are compensatory mechanisms that reduce fruit size. This Special Issue welcomes studies that cover these issues and other important mechanisms that affect crop pollination

Guest Editor

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