



biology



Special Issue Reprint

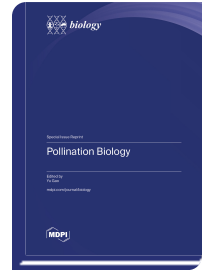
Pollination Biology

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Pollinators have important links to ecosystem health, green agriculture, food security and nutritional health. As an important part of the ecosystem, pollinating insects provide important ecological services to the ecosystem and also play an important role in maintaining the dynamic balance and relative stability of the ecosystem. Pollinator insects account for 80–85% of all animal pollination and provide vital services to the plant–pollinator ecosystem, the importance of which is widely recognized by researchers and the general public. Since the 1960s, the area of crops that are dependent on insect pollination has tripled worldwide, and the direct or indirect economic value of insect pollination services has become an important component of the gross agricultural product in many developed countries. To further advance research and exchange in the field of pollination biology, we have collected research contributions from relevant scholars and compiled them into this Reprint volume. The research findings in this Reprint offer, at best, a modest snapshot of an extraordinarily complex and rapidly evolving field. While the breadth of topics covered and the depth of individual studies reflect the momentum in pollination biology, we are acutely aware that any Special Issue can only scratch the surface. We aim to advance the discipline toward more robust and generalizable insights. Through collaboration with agronomists, plant breeders, land managers, and policy-makers, we will translate these findings into actionable spatial plans, cropping systems, seed technologies, and transnational policy frameworks.



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