

Special Issue

Genetic and Environmental Factors Affecting Glandular Trichome Development

Message from the Guest Editor

Plant glandular trichomes are epidermal outgrowths that are present in over one-third of plant species and produce various specialized metabolites. Beyond their roles in plant adaptation to the environments and stresses, glandular trichomes are unique due to their capacity to synthesize, store and sometimes secrete a wide variety of structurally and biosynthetically diverse metabolites. The broad interest in these epidermal "biofactories" is heightened by the fact that many glandular, trichomes-derived, specialized metabolites are commercially important as natural pesticides, but are also used as fragrances, food additives and drugs. This Special Issue of *Plants* aims to highlight recent research that addresses the genetic and environmental factors affecting glandular trichomes development in diverse plant species.

Guest Editor

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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