

International Congress on Plant Biology, Genome Editing and Crop Sciences

ORGANIZED BY:

MATHEWS
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INTERNATIONAL CONGRESS ON **PLANT BIOLOGY, GENOME EDITING AND CROP SCIENCES**



DATE

JUNE 17-19, 2027



LOCATION

ROME, ITALY AND ONLINE



Rome, Lazio Oct 12, 2026 ([Issuewire.com](http://www.Issuewire.com)) - What determines the productivity, adaptability and quality of a crop? Answering such questions requires knowledge extending from molecular events inside individual cells to characteristics observed across agricultural fields. **PBGC 2027, the International Congress on Plant Biology, Genome Editing and Crop Sciences**, will bring these scientific perspectives together in **Rome, Italy**, during **June 17–19, 2027, with online** participation included.

The [Plant Biology Conference](#) encompasses research on plant structure, metabolism, signaling, heredity and environmental interactions. Scientists investigating physiological pathways can examine processes related to photosynthetic efficiency, nutrient assimilation, water relations, reproductive development and cellular regulation. Molecular investigations provide another layer by examining proteins, nucleic acids, regulatory elements and biochemical pathways.

Genome-oriented research has become particularly valuable for identifying genetic determinants associated with complex characteristics. Comparative genome analysis, sequencing, marker discovery and computational prediction can assist researchers in locating candidate genes and understanding variation among plant populations.

Precision modification offers additional experimental possibilities. Researchers working with CRISPR-derived systems and related technologies can investigate targeted genomic changes, gene-function relationships and trait development. [Plant Conferences 2027](#) provides a forum for discussing methodological progress, experimental challenges and potential agricultural applications without limiting the conversation to a single crop or technological platform.

Crop-focused investigations may cover breeding populations, cultivar evaluation, seed characteristics, nutritional traits, disease response and productivity measurements. Researchers can also examine the effects of climatic pressures and resource limitations on plant performance. Studies involving beneficial microorganisms, biological interactions and integrated crop management add further dimensions to agricultural research.

The [Plant Science Conference](#) is suitable for scientists from universities, research centers, agricultural institutions and biotechnology organizations. Specialists in plant physiology, genetics, genomics, breeding, agronomy, bioinformatics and molecular biotechnology can communicate their latest work.

PBGC 2027 combines physical and digital participation to accommodate an international research community. Its multidisciplinary character supports conversations connecting biological discoveries with practical questions surrounding crop development, genetic resources and future agricultural innovation.

Media Contact

Mathews International LLC

*****@mathewsconference.com

03124624448

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