



Welcome to Our Inaugural Newsletter!

We're excited to share the first edition of our quarterly newsletter! The Plant Metabolic Network (PMN) is your go-to resource for curated metabolic pathway data, genome annotations, and analysis tools that support plant research and enhance understanding of plant metabolism. This newsletter will keep you informed about the latest developments, events, and resources from PMN, including database updates, feature enhancements, tutorials, workshops, and research highlights. If you wish to unsubscribe, simply click the "unsubscribe" link at the bottom of any email.

Science News

Announcing PMN 16: Expanding Plant Databases and Integrating New Enzyme Data

PMN 16 is now live! This update adds 29 new single-species databases, bringing our total to 155, with a focus on understudied plants like hornworts, gymnosperms, and [African Orphan Crop Consortium](#) species such as teff and moringa. The release also includes experimentally validated enzyme data curated by the [Philipp Zerbe](#) (UC Davis) lab.

[Read More](#)

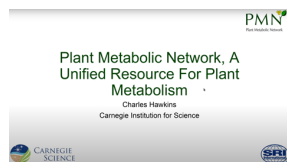
Introducing the PMN Database Generation Pipeline: Build Your Own Database

Earlier this month, we launched the PMN pipeline, a powerful tool to expand your research capabilities when your species of interest isn't yet available in PMN 16. The pipeline provides comprehensive tools that allow you to generate your own database, for any species of interest within Viridiplantae (land plants + green algae), provided you have access to a full protein annotation. You can use your database privately, publish it independently, or submit it to PMN for inclusion in future releases.

[Visit GitHub: PMN Container](#) to start building your database. For any questions or assistance, feel free to reach out to us at curator@plantcyc.org.

[Start Building](#)

Webinar Spotlight



Listen to a webinar from the director of PMN, Dr. Hawkins, as he highlights key capabilities of PMN, showcasing how its extensive metabolic pathway data, genome annotations, and analysis tools can significantly enhance your plant research.

[Watch](#)

Publication Spotlight

In [Lodovici and colleagues' paper](#) on nitrate supply, the Plant Metabolic Network (PMN) was used to map and analyze how varying nitrate levels affected plant metabolic pathways and gene expression. PMN data helped identify key pathways and regulatory mechanisms involved in nitrogen metabolism, offering insights into plant adaptation and nutrient management. You can read the paper [here](#).

[Read More](#)



[Unsubscribe](#)