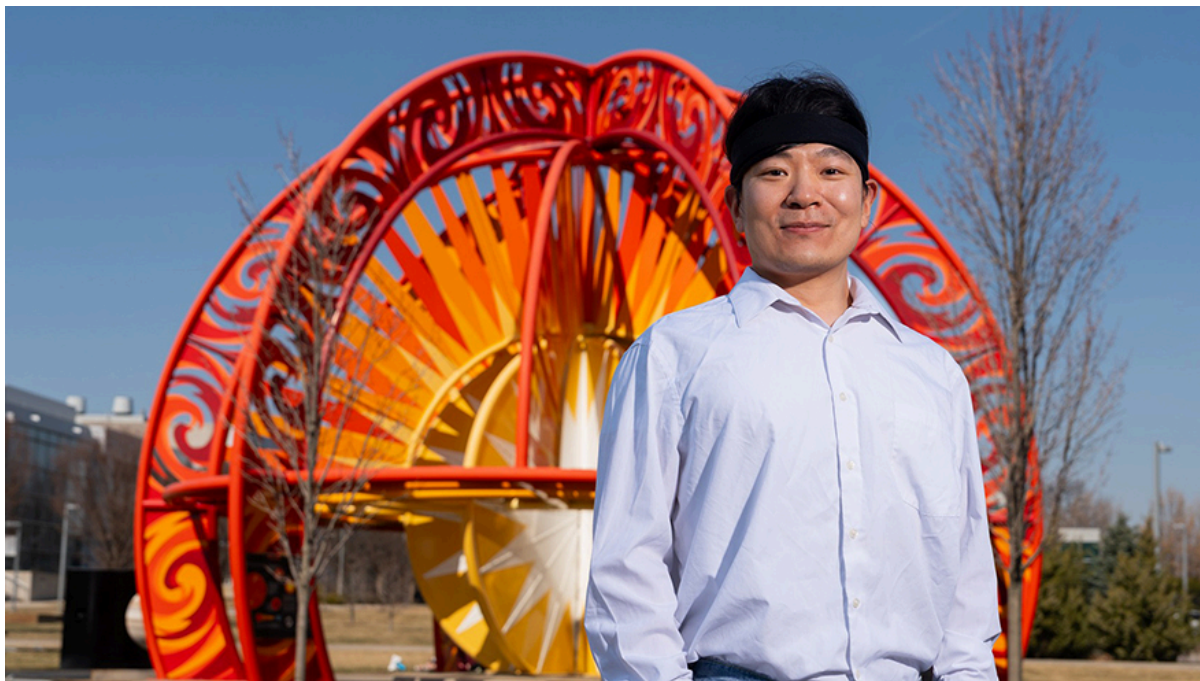


[View as a webpage.](#)



March 25, 2025

| SCHOLARLY EXCELLENCE



Using sun shadows and simulations to combat snowy roads

Treating roads for ice and snow can burden the budget and environment. Yaguang Zhang, clinical assistant professor of agricultural and biological engineering and agricultural sciences education and communication, created a map of sun shadows using lidar technology that the Indiana Department of Transportation uses to more efficiently treat roads for winter conditions.

Share the story: [!\[\]\(faf942dc3e59ce8eb64b4ac481eca7e0_img.jpg\)](#) [!\[\]\(f6b0299e0b5e4340e509b71914970da0_img.jpg\)](#) [!\[\]\(b5153706f6ea2fc2c42e8803b6804d18_img.jpg\)](#)

Purdue Research Blog: Predicting emerging mammalian parasites

In this post, Qixin He, an assistant professor in the College of Science and member of the Purdue Institute for a Sustainable Future, discusses her recently published research “Predicting Host Range Expansion in Parasitic Mites Using a Global Mammalian-Acarine Dataset,” which appears in Nature Communications.



- **Reminder:** Visit government transition webpage for latest updates on federal funding

| EVENTS



Registration open for April 8 Westwood Lecture on applying advanced machine learning tools for gene regulation

Registration is open for faculty to attend the April 8 Westwood Lecture. Majid Kazemian, associate professor of biochemistry in the College of Agriculture and computer science in the College of Science, will present “Drug Discovery: From In Silico Insights to In Vivo Validation” from 4:30-5:30 p.m. at Westwood, the Purdue president’s residence.

Share the story:



Purdue conference aims to get at the heart of business and its value

Purdue’s Mitch Daniels School of Business will bring leading voices from the National Constitution Center, the National Review Institute, the Mercatus Center, the Liberty Fund and more to West Lafayette on April 30 to have a deep discussion about free markets and morality. Aimed at business thought leaders, the Cornerstone for Business Conference is an on-campus gathering that features an opening keynote from President Emeritus of Purdue University Mitch Daniels and informed discussions of the connections between business and AI, democracy and business, markets and human progress, shareholders and stakeholders, and more.

Share the story:



- [Purdue Libraries and School of Information Studies to hold ‘A Celebration of Books 2025’](#)

- [Purdue University Events Calendar](#)

THINGS TO KNOW



'Boilers to Mars' prequel with SpaceKids Global

What to watch after you've seen "Boilers to Mars": the short film's prequel. See how one of the main characters, Bobbi, first became interested in space exploration, as SpaceKids Global introduces her to all the opportunities in space — just like they do for elementary children nationwide. Discover more about SpaceKids Global's mission and view this new video now.

Share the story:



FACULTY AND STAFF

- Receive free airport parking when signing up for FastPark & Relax by April 30
- Reminder: Easy, accessible colon cancer screening available via CHL, Cologuard
- This week's 'Thumbs Up' recipients

PEOPLE

- Service engineer accomplishes lifelong dream by earning a Master's in Engineering Technology from Purdue

PURDUE IN THE NEWS

- **Forbes:** Should you have emerging markets in your portfolio? How to decide.
- **Live Science:** Scientists edge closer to creating super accurate, chip-sized atomic clock that can fit into your smartphone
- **WISH-TV:** Purdue University purchases property on Indiana Avenue

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