

Xiaojing “Kate” Liu Ph.D.

Curriculum Vitae, Dec 2025

EDUCATION

- Dec 2010, Doctor of Philosophy. Mechanical Engineering. Wuhan University of Technology.
- June 2000, Master of Mechanical Engineering. Wuhan University of Technology.
- June 1993, Bachelor of Mechanical Engineering. Wuhan University of Technology.

WORK EXPERIENCE

- Aug 2025 to present. Tenured Associate Professor of Packaging. Engineering and Technology, University of Wisconsin – Stout, WI.
- Aug 2021 to Aug 2025. Tenure Track Full-time Assistant Professor, Packaging, Engineering and Technology, University of Wisconsin – Stout, WI.
- Aug 2016 to Aug 2021. Tenure Track Full-time Assistant Professor, Packaging, Nutrition, Food Science & Packaging, San Jose State University, CA.
- Dec 2016 to Nov 2017. R&D Director, Part-time, YUTO-US Co, Ltd., San Jose, CA.
- Sep 2007 to July 2016. Full-time Associate Professor, Packaging, School of Mechanical and Electronics, Wuhan University of Technology, China.

COURSE TAUGHT

- PKG 105 Packaging Fundamentals.
- PKG 210 Packaging Materials I- Paper, Paperboard, Corrugated Paperboard, Glass, Wood, and Printing.
- PKG 250 Consumer Packaging.
- PKG 335 Packaging Machinery and System.
- PKG 350 Protective Packaging Design and Evaluation.
- PKG 490 Packaging Development.
- PKG 485 GNC Collaboration Experience.
- PKG 349 and PKG 449 Cooperative Education Experience.

PEER-REVIEWED JOURNAL ARTICLES IN THE PACKAGING INDUSTRY

Published over **17** peer-reviewed articles. Recent publishes are below.

1. **Xiaojing Liu**; "Mushroom Mycelium Foam Cushioning Properties in Protective Packaging Application," *Journal of Applied Packaging Research: Vol. 16: No. 1, Article 3. 2024*
Available at: <https://repository.rit.edu/japr/vol16/iss1/3>
2. **Xiaojing Liu**, Min Degruson. "The effect of foam configuration on the cushion performance," *Journal of Applied Packaging Research: Vol. 14: No. 1, Article 5. 2022.*
Available at: <https://scholarworks.rit.edu/japr/vol14/iss1/5>

3. **Xiaojing Liu**; “The Research Progress on Bacterial Cellulose Applications in Packaging Industry,” *Packaging Engineering*. 2021(10),1-11
4. **Xiaojing Liu**; “Logistics-driven Packaging Design -- IKEA Case Study,” *Packaging Engineering*. 2020(9),174-180
5. **Xiaojing Liu**; “The Latest Sustainable Packaging Development in the U.S. and Europe,” *Shanghai PACK*. 2020(4), 38-44
6. **Xiaojing Liu**; “Analysis and Experiments of Luffa Sponge Material Cushion Property under Static Compression Tests,” *Packaging Engineering*. 2018(7), 57-64
7. Joongmin Shin, **Xiaojing Liu**, Naveen Chikthimmah, Youn Suk Lee; “Development of Natamycin Attached Functional LDPE Polymers and Efficacy Against Penicillium and Saccharomyces Microbial Genera,” *Applied Surface Science*. (386)2016(12), 276-284

PRIZES AND AWARDS (In the Past Seven Years)

Instruct packaging students won

- 1st place, IMFA National Student Packaging Design Competition, 2025
- 2nd place, Stanley Black&Decker National Student Packaging Design Competition, 2025
- 3rd place, WordStar Student Packaging Design Competition, 2025
- Shout Out, Paperboard Packaging Association National Student Design Competition, 2024
- Top 10 Excellent Design. 48-Repack National Student Design Competition, 2024
- 1st place, Flexible Packaging Association Student Design, 2024
- Best video Awards, Flexible Packaging Association Student Design, 2024
- IoPP Ameristar Student Packaging Design Competition, 2024
- 1st place, PAC Global Student Design Competition, 2024
- 1st place, 48-Repack National Student Design Competition, 2023
- 1st place, Paper-pulp Packaging National Student Design Competition, 2023
- 1st place, Paperboard Packaging Association National Student Design Competition, 2023
- 3rd place, Paperboard Packaging Association National Student Design Competition, 2023
- IoPP Ameristar Student Packaging Design Competition, 2019
- Honorable Mentions, Paperboard Packaging Association National Student Design Competition, 2019
- Honorable Mentions, Paperboard Packaging Association National Student Design Competition, 2018
- 2nd place, Flexible Packaging Association Student Design, 2018
- 2nd place, Flexible Packaging Association Student Design, 2019
- 3rd place, 48-Repack National Student Design Competition, 2020
- People’s Favorite, Paperboard Packaging Association National Student Design Competition, 2017

SCHOLARSHIP AND FUNDING (Recent)

- Wisconsin Teaching Fellows and Scholars (WTFS). 2024-25
- Faculty Research Initiative Grant. 2024
- ICPF University Awards. 2023
- PMMI Sponsor Machinery. 2023

- ISTA Education Foundation Undergraduate Research Funds. 2022
- New Faculty Start-Up Funds.2021
- Co-author for the chapter “Packaging Materials and Auxiliary Items,” book “Encyclopedia of Food Safety, 2nd Edition”. 2023
- Instruct Undergraduate Research. 2023,2024 and 2025