ZHEYU JIANG

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EDUCATION

Ph.D., Purdue University, Chemical Engineering 2014 – 2018
B.Ch.E., University of Minnesota, Chemical Engineering 2010 – 2014

EXPERIENCE

Oklahoma State University, *Assistant Professor, School of Chemical Engineering* 2021 – Present
Corteva Agriscience, *Research Investigator, Small Molecule Discovery and Development* 2018 – 2021
The Dow Chemical Company, *PhD Intern, Engineering and Process Sciences, Core R&D* 2016
Honeywell UOP, *Engineering Support Specialist, Simulation & Tool Development Skill Center* 2013
ExxonMobil Chemical, *Process Engineering Intern* 2012

HONORS AND AWARDS

Foundations of Process Analytics and Machine Learning 2023 Travel Award for Junior Faculty 2023
Early-career chemical engineering pioneer featured in 2022 Futures Issue, AIChE Journal 2022
Ace of Innovation Award, Corteva Agriscience 2020
People's Choice Award, Corteva Agriscience 2019
AIChE Separations Division Graduate Student Research Award 2018
Eastman Graduate Travel Grant, Purdue University 2017
Purdue Graduate Student Government Travel Grant, Purdue University 2016
Global Excellence Scholarship, UMN 2010 – 2014
College of Science and Engineering Merit Scholarship, UMN 2012
Charles A. Mann Award, Department of Chemical Engineering, UMN 2012

PROFESSIONAL SERVICE

International Scientific Committee, the 10th International Conference on Foundations of Computer-Aided Process Design (FOCAPD) 2024
Chair/Co-chair, Computing and Systems Technology Division 10a/c/d, AIChE Annual Meeting 2023
Chair, Advances in Machine Learning, FOCAPO/CPC 2023 Conference 2023
Penal Reviewer, NSF, USDA NIFA 2024
Reviewer, *Computers & Chemical Engineering*, *AIChE Journal*, *Industrial & Engineering Chemistry Research*, *Chemical Engineering Research and Design*, *Computer Aided Chemical Engineering*, *ACS Omega*

SELECTED PUBLICATIONS AND INVITED TALKS

1. Jiang Z*, Tawarmalani M, Agrawal R. Minimum reflux calculation for multicomponent distillation in multi-feed, multi-product columns: Mathematical model. *AIChE Journal*. 2022;68:e17929
2. Jiang Z, Mathew TJ, Huff J, Nallasivam U, Tawarmalani M, Agrawal R. Global optimization of multicomponent distillation configurations: Global minimization of total cost for multicomponent mixture separations. *Computers & Chemical Engineering*. 2019;126:249–262
3. Jiang Z, Chen Z, Huff J, Shenvi A, Tawarmalani M, Agrawal R. Global minimization of total exergy loss of multicomponent distillation configurations. *AIChE Journal*. 2019;65(11):e16737
4. Jiang Z, Agrawal R. Process intensification in multicomponent distillation: A review of recent advancements. *Chemical Engineering Research and Design*. 2019;147:122–145
5. Jiang Z. Toward Sustainable Food and Chemical Productions via Systems Engineering Approaches. 2023. Systems Engineering Department, Cornell University, Ithaca, NY
   - Ezra's Round Table / Systems Seminar Series featured by Cornell Systems Engineering Program