

Curriculum Vitae - Zhaohui (Julene) Tong, PhD

Associate Professor

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EDUCATION

- Ph.D. in Chemical & Biomolecular Engineering, Georgia Institute of Technology, December 2007.
- M.S. in Chemical & Biomolecular Engineering, Georgia Institute of Technology, December 2005.
- M.S. in Chemical Engineering and Material Science, Tianjin University of Science and Technology, China, March 2001.
- B.S. in Chemical and Environmental Engineering, Changsha University of Science and Technology, China, June 1995.

RESEARCH AND PROFESSIONAL EXPERIENCE

- Associate Professor, School of Chemical & Biomolecular Engineering, Georgia Institute of Technology, 01/2022-present
- Associate Professor, Agricultural and Biological Engineering Department, University of Florida, 07/2017-12/2021
- Assistant Professor, Agricultural and Biological Engineering Department, University of Florida, 06/2010-06/2017
- Chemical Process Engineer, Chemical and Energy Business Division, Ch2mhill Engineering Ltd., 12/2007-02/2010

RESEARCH AREAS (BIOPROCESS ENGINEERING AND BIOPRODUCTS)

- Synthesizing biochemicals from renewable resources (e.g., biowaste) to replace their petroleum-based counterparts.
- Fabricating sustainable multi-functional bionanocomposites or biomaterials for environmental and human health applications.
- Designing environmentally benign and energy-efficient bioprocesses to reduce environmental impacts.

Funding Sources

- Department of Agriculture (**USDA**)
- National Science Foundation
- US Agency for International Development & the National Academy of Sciences, Engineering, and Medicine (**US-AID-NAS**)

- Department of Energy (**DOE**)
- The National Aeronautics and Space Administration (**NASA**)-Florida Space Research Program-Space Research Initiative (FSRP-SRI)

AWARDS

- “Outstanding Young Researcher” Award in 2014 Florida Section- American Society of Agricultural and Biological Engineering
- “Outstanding Young Extension Worker” Award in 2013 Florida Section-American Society of Agricultural and Biological Engineering

SYNERGISTIC ACTIVITIES

Service to Academic Society:

- **Treasurer/Sectary** of Forestry Products Division of American Institute of Chemical Engineers Society (AICHE), 2017-present
- **Associate Editor** of “Bioenergy Research”, **Executive Editor** of “ EF Food Agroforestry Journal”, **Editorial Board Member** of “Journal of Biobased Materials and Bioenergy”, **Guest Editor** of “Journal of Composites Science”.
- **Director** of Forestry Products Division of American Institute of Chemical Engineers Society (AICHE), 2014-2017
- The **Committee** member of Bioconversion and Bioprocesses Division of ASABE

Conference Session Chairs and Co-chairs:

- Chair & Co-chair: American Institute of Chemical Engineers (AICHE) Annual Meeting, Forestry Division session chairs, 2012, 2013,2014, 2015, 2016, 2017, 2018, 2019, 2020.
- Chair: 2013 IBE Annual Meeting, Session titled: Biomaterials and Structures, Raleigh, North Carolina, March 9th, 2013.

Scientific and Professional Associations

- American Institute of Chemical Engineers (AICHE)
- American Society of Agricultural and Biological Engineers (ASABE)
- American Chemical Society (ACS)
- Technical Association of the Pulp and Paper Industry (TAPPI)

Extension and Outreach Programs:

- Engineering consulting service on building Stan Mayfield Biorefinery Pilot Plant at UF
- Leading the department 4-H Youth summer workshop (annually from 2013-2019)
- Hosting science workshops in K-12 schools (2014, 2017, 2018)
- In-service training service in biofuel, bioenergy, and biomaterial areas
- 3 EDIS -Electronic Data Information Source - UF/IFAS Extension publications