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First Name: **Siqun** Last Name: **Wang**

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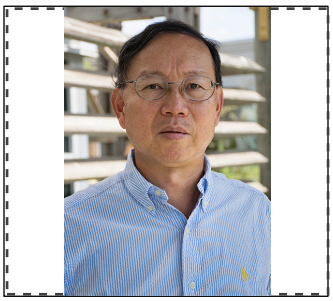

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Education:

PhD: 991, Nanjing Forestry Univ MS: 1985, Nanjing For BS: 1982, Nanjing For

General Areas of Expertise:

Manufacture and performance of wood-based composites, nano-mechanics, cellulose nano materials, bio-based carbon materials, manufacture and performance of wood-based composites, natural fiber-reinforced plastic composites, bio nanocomposites, superhydrophobic, supercapacitor, wood adhesion, cellulose nano material impact on soil, soil recovery, heave metal removal from water, and wood quality.

Short Bio:

Siqun Wang is a Professor at the University of Tennessee Center for Renewable Carbon. He also serves as an Adjunct Professor at six Chinese Institutes. His research focus includes cellulose nano materials, nanomechanics and biobased composites. He has published more than 200 journal articles.

Five Representative Publications:

1. Ma, L., Zhang, Y., Wang, S., Modified treatment for carbonized cellulose nanofiber application in composites. Composites A, 90 (2016), pp. 786-793.
2. Guo, J., Guo, X., Wang, S., Yin, Y., Effects of ultrasonic treatment during acid hydrolysis on the yield, particle size and structure of cellulose nanocrystals. Carbohydrate Polymers, 135 (2016), pp. 248-255.
3. Du, L., Arnholt, K., Ripp, S., Sayler, G., Wang, S., Liang, C., Wang, J., Zhuang, J., Biological toxicity of cellulose nanocrystals (CNCs) against the luxCDABE-based bioluminescent bioreporter Escherichia coli 652T7. Ecotoxicology, 24(2015), pp. 2049–2053.
4. Cheng, Q. and Wang, S., A method for testing the elastic modulus of single cellulosic fibrils via atomic force microscopy. Composites Part A, 39 (2008), pp. 1838-1843.
5. Wu, Q., Meng, Y., Concha, K., Wang, S., Li, Y., Ma, L., and Fu, S., Influence of temperature and humidity on nano-mechanical properties of cellulose nanocrystal films made from switchgrass and cotton. Industrial Crops and Products, 48 (2013), pp. 28-35.

FEWSTERN Symposium 2017 Presentation Title and Abstract: