

Associate Professor ZHANG Qi

College	College of Mechanical Engineering
Current Position	Associate Professor
Types of Tutor	Master Tutor
Language	Chinese/English
Education	Kansas State University, Ph.D
Research Interests	Agricultural product drying process and equipment development
Selected Publications	<ol style="list-style-type: none"> 1. Zhang Q, Shi Z., Zhang Pengfei, Zhang Meng, Li Zhichao, Xi Chen, Zhou Jiping, Ultrasonic-assisted pelleting of sorghum stalk: predictive models for pellet density and durability using multiple response surface methodology, <i>Energies</i> 2018, 11, 1214; doi:10.3390/en11051214 . 2. Zhang, Q., Shi Zhenzhen, Zhang, P.F., Li Zhichao, and Majid Jaberidouraki., 2017, Predictive temperature modeling and experimental investigation of ultrasonic vibration-assisted pelleting of wheat straw”, <i>Applied Energy</i>, 205, pp. 511-528. (SCI —☒, if>7) 3. Zhang, Q., Zhang, P.F., Wang, D.H., and Z.J. Pei., 2017, Investigation on characteristics of cellulosic biomass processed by ultrasonic-vibration assisted pelleting,” <i>Renewable Energy</i>, 101, pp.1075-1086. (SCI 二☒, if>4) 4. Zhang, Q., Zhang, P.F., Pei, Z.J., RysM., Wang, D.H., and Zhou J.P., 2016,”Ultrasonic vibration-assisted pelleting of cellulosic biomass for ethanol manufacturing: an investigation on pelleting temperature,” <i>Renewable Energy</i>, 86, pp. 895-908. 5. Zhang, Q., Zhang, P.F., Pei, Z.J., Wang, D.H., Xu, F., and Vadlani, P., 2015, “Effects of ultrasonic

	<p>vibration-assisted pelleting on chemical composition and sugar yield of corn stover and sorghum stalk,” Renewable Energy,76, pp.160-166.</p> <p>6. Zhang, Q., Zhang, P.F., Pei, Z.J., and Wang, D.H., 2013, “Effects of cellulosic biomass particle size on enzymatic hydrolysis sugar yield: analysis of inconsistent results in the literature,” Renewable Energy, Vol. 60, pp. 127 – 136</p> <p>7. Zhang, Q., Zhang, P.F., Pei, Z.J., and Wang, D.H., 2013, “Ultrasonic vibration-assisted pelleting for cellulosic biofuel manufacturing: investigation on power consumption,” Renewable Energy, Vol. 55, pp. 175-781.</p>
Email	qizhang@yzu.edu.cn