Jing Feng

Current Research

research mainly focus on the biodegradation and resistance of wood-plastic composites against biological attack. Within this area, we have investigated the interactions and effects of the wood species, wood properties, and biocides treatments on the durability of wood-plastic composites against mold fungi, decay fungi, algae, as well as termites.

Honors and Award

Guangdong patent Gold Award of 2016 (ZL 201010196354.X).

Representative Publications

1.Jing Feng, Peng Dong, Ruiming Li, Cailing Li, Xiaobao Xie*, Qingshan Shi*. Effects of wood fiber properties on mold resistance of wood polypropylene composites. International Biodeterioration & Biodegradation, 2019, 140: 152-159.

2.Jing Feng, Chengbin Li, Juan Chen, Mingjie Chen, Xiulin Shu, Qingshan Shi*. Evaluation of the association between natural mold resistance and chemical components of nine wood species. Bioresources, 2018, 13(3): 6524-6541.

3.Jing Feng, Juan Chen, Mingjie Chen, Xiulin Su, Qingshan Shi*. Effects of biocide treatments on durability of wood and bamboo/high density polyethylene composites against algal and fungal decay. Journal of Applied Polymer Science, 2017, 134(31), 45148.

4.Jing Feng#, Huiping Zhang#, Hui He, Xiaomo Huang, Qingshan Shi*. Effects of fungicides on mold resistance and mechanical properties of wood and bamboo flour/high-density polyethylene composites. Bioresources, 2016, 11(2): 4069-4085.

5.Jing Feng#, Kaimeng Xu#, Qingshan Shi*, Xiaomo Huang, Kaifu Li. Algal decay resistance of conventional and novel wood-based composites. Bioresources, 2015, 10(4): 6321-6331.