Developmental effects of polystyrene nanoparticles in the chicken embryo

Wang, M.

Curriculum vitae

Meiru Wang (王美儒) was born on 27th June, 1993 in the city of Changchun, Jilin Province, China. She completed her bachelor's degree in agriculture at the Dalian Ocean University, Dalian City, Liaoning Province, China. Because of her general interest in fish, she chose to focus on studying the nutrient composition of muscle from cultured and juvenile specimens of the River Beluga (*Huso dauricus*), a sturgeon, in the Key Laboratory of Hydrobiology in Dalian City, Liaoning Province, for her bachelor thesis and internship.

Meiru went on to conduct her master's study in the same field, also at Dalian Ocean University, starting in September, 2016. She chose to explore the seasonal and geographical variations of sediment from the Biliu Reservior, Liaoning Province, China, using 16s rDNA sequencing, for her master's thesis.

After her long and productive journey through Dalian Ocean university, Meiru was awarded a Chinese Scholarship Council (CSC) Ph.D. scholarship to study at the Institute of Biology, Leiden University under the supervision of prof. dr. Michael. K. Richardson, and the co-supervision of prof. dr. Martina G. Vijver. Her PhD project was entitled "Developmental effects of polystyrene nanoparticles in the chicken embryo".

List of publications

- **Wang, M**., Rücklin, M., Poelmann, R.E., de Mooij, C.L., Fokkema, M., Lamers, G.E.M., de Bakker, M.A.G., Chin, E., Bakos, L.J., Marone, F., Wisse, B.J., de Ruiter, M.C., Cheng, S., Nurhidayat, L., Vijver, M.G., Richardson, M.K. Nanoplastics causes extensive congenital malformations during embryonic development by passively targeting neural crest cells. *Environment International* 173, 107865.
- **Wang, M**., Zhao, W., Wei, J., Wang, S., & Xie, X. (2019). Acute effects of UVB radiation on the survival, growth, development, and reproduction of *Daphniopsis tibetana* Sars (Crustacea: Cladocera). *Environmental Science and Pollution Research*, *26*, 10916-10925.
- **Wang, M.**, Zhao, W., Wei, J., Li, C., Shi, Z., Chen, W. & Wang, H. (2019). Comparison of nutritional components in the muscle of cultured and wild juvenile fish of *Huso dauricus*. *Journal of Economic Animal*, 23, 139-143.
- **Wang, M**., Zhao, W., Jia, X., Wei, J., & Wang, S. (2018). Eco-toxicology effect on *Moina mongolica* Daday exposed to Cd^{2+}, Pb^{2+}, and Hg^{2+} by the food chain. *Environmental Science and Pollution Research*, 25, 16024-16036.
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