

## Professor ZHOU Xiaojian

College	College of Environmental Science & Engineering
Current Position	Professor
Types of Tutor	Master Tutor
Language	Chinese/English
Education	<p><b>2003.10-2006.9</b> Graduate School of Natural Science, Kobe University, Japan Marine Biological Chemistry, Graduate Course, Doctoral Degree</p> <p><b>1997.9-2000.7</b> Environmental Science &amp; Engineering Institute, Dalian Maritime University, China Environmental Science Graduate Course, Master Degree</p> <p><b>1993.9-1997.7</b> College of Marine Life Science, Ocean University of China, China Environmental Ecology, Undergraduate Course, Bachelor Degree.</p>
Research Interests	<p>Environmental Science, Marine Environmental Biology Research Interesting:</p> <ol style="list-style-type: none"><li>1. Marine biofouling and antifouling</li><li>2. Bioactive nature products from marine microbes</li><li>3. Bio-energy</li><li>4. EPS of microbes, including diatoms</li><li>5. Persistent organic pollutants in marine environments.</li></ol>
Selected Publications	<p>1. Cai Youjun; Zhang Xiaoli ; Li Guihao; Dong Jun; Yang Anjing; Wang Guangyu; Zhou Xiaojian*. Spatiotemporal distributions and environmental drivers of diversity and community structure of nosZ-type denitrifiers and anammox bacteria in sediments of the Bohai Sea and North Yellow Sea, China. Journal of Oceanology and Limnology, 2019, 37(4):1211-1228.</p>

2. Cuili Jin, Zhaowei Yu, Shuya Peng, Ke Feng, Likui Zhang, Xiaojian Zhou\*. The characterization and comparison of exopolysaccharides from two benthic diatoms with different biofilm formation abilities. *Anais da Academia Brasileira de Ciências*. 2018, 90(2): 1503-1519.

3. Xiaying Xin, Guohe Huang, Xiaojian Zhou\*, Wei Sun, Cuili Jin, Wei Jiang & Shan Zhao. Potential antifouling compounds with antidiatom adhesion activities from the sponge-associated bacteria, *Bacillus pumilus*. *Journal of Adhesion Science and Technology*, 2017, 31(9): 1028-1043.

4. Cuili Jin; Jingjing Qiu; Li Miao; Ke Feng; Xiaojian Zhou\*. Antifouling activities of anti-histamine compounds against the barnacle *Amphibalanus (=Balanus) amphitrite*. *Journal of Experimental Marine Biology and Ecology*, 2014: 452: 47–53.

5. Cuili Jin, Xiaying Xin, Siyu Yu, Jingjing Qiu, Li Miao, Ke Feng, Xiaojian Zhou\*. Antidiatom activity of marine bacteria associated with sponges from San Juan Island, Washington. *World Journal of Microbiology and Biotechnology*, 2014, 30:1325–1334.

6. Cuili Jin, Jingjing Qiu, Siyu Yu, Li Miao, Xiaojian Zhou\*. Histamine promotes the larval metamorphic competence of barnacle *Amphibalanus (=Balanus) amphitrite*. *Marine Biology Research*, 2014, 10: 799–806.

7. Ai Tsuboi, Hideo Okamura, Netnapit Kaewchuay, Keiichi Fukushi, Xiaojian Zhou, Tomoaki Nishida. Degradation of triphenylborane–pyridine (TPBP) antifouling agent in water by copper ions, *Environmental Technology*, 2013, 34(20): 2839-2844.

8. Xiaojian Zhou, Cuili Jin, Ying Xu, and Pei-Yuan Qian, Reversible anti-settlement activity against *Amphibalanus (=Balanus) amphitrite*,

	<p>Bugula neritina, and Hydroides elegans by a nontoxic pharmaceutical compound, mizolastine, Biofouling, 2009, 25: 739-47.</p> <p>9. Xiaojian Zhou, Zhen Zhang, Ying Xu, Cuili Jin, Hongping He, Xiaojiang Hao, and Pei-Yuan Qian, Flavone and isoflavone derivatives of terrestrial plants as larval settlement inhibitors of the barnacle Balanus amphitrite, Biofouling, 2009, 25: 69-76.</p> <p>10. Xiaojian Zhou, Hideo Okamura, Shinichi Nagata, Abiotic degradation of triphenylborane pyridine antifouling agent in water. Chemosphere, 2007, 67: 1904–1910.</p> <p>11. Xiaojian Zhou, Hideo Okamura, Shinichi Nagata, Applicability of luminescent assay using fresh cells of Vibrio fischeri for toxicity, Journal of health science, 2006, Vol.52(6), 811-816.</p> <p>12. Xiaojian Zhou, Hideo Okamura, Shinichi Nagata, Remarkable Synergistic Effects in Antifouling Chemicals against Vibrio fischeri by Bioluminescent Assay, Journal of health science, 2006, 52 (3), 1-8.</p> <p>13. Shinichi Nagata, Xiaojian Zhou. Analyses of factors to affect the bioassay system using luminescent bacterium Vibrio fischeri. Journal of health science, 2006, 52 (1), 9-16.</p>
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