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## Ansættelse

Biologisk Institut  
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2. mar. 2023 → present

### Lektor

Økotoxikologi  
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2. mar. 2023 → present

## Education

2017            Lorem ipsum dolor sit amet  
2015            Lorem ipsum dolor sit amet

## Publikationer

### When Microplastics Meet Microalgae: Unveiling the Dynamic Formation of Aggregates and their Impact on Toxicity and Environmental Health

Su, Y., Gao, L., Xu, E. G., Peng, L., Diao, X., Zhang, Y. & Bao, R., 1. apr. 2025, I: Water Research. 273, 11 s., 123008.

### Marine Mussel Metabolism Under Stress: Dual Effects of Nanoplastics and Coastal Hypoxia

Wang, X., Zhang, T., Yang, D., Xu, E. G., Javidpour, J. & Zhao, J., 5. mar. 2025, I: Journal of Hazardous Materials. 485, 11 s., 136860.

### Phthalates esters disrupt demersal fish behavior: Unveiling the brain-gut axis impact

Liu, L., Li, X., Luo, X., Wang, X., Liu, L., Yuan, Z., Sun, C., Zheng, H., Xu, E. G. & Li, F., jan. 2025, I: Ecotoxicology and Environmental Safety. 289, 117470.

### Ecological effects of micro/nanoplastics on plant-associated food webs

Ilyas, M., Duarte, C. M., Xu, E. G., XU, G. & Yang, J., 27. dec. 2024, (E-pub ahead of print) I: Trends in Plant Science.

### The power of green: Harnessing phytoremediation to combat micro/nanoplastics

Yuan, W., Xu, E. G., Shabaka, S., Chen, P. & Yang, Y., sep. 2024, I: Eco-Environment & Health. 3, 3, s. 260-265

### Multi-omics in nanoplastic research: a spotlight on aquatic life

Helal, M., Liu, M., Chen, H., Fang, M., Qiu, W., Kjeldsen, F., Tollefsen, K. E., Thiyagarajan, V., Holbech, H. & Xu, E. G., 10. aug. 2024, I: Frontiers of Environmental Science & Engineering. 18, 133.

### Perfluorooctane Sulfonamide Induced Autotoxic Effects on the Zebrafish Immune System

Chen, H., Zou, Y., Kang, X., Yang, G., Yang, X., Yao, Y., Magnuson, J. T., Cao, X., Qiu, W., Xu, E. G. & Zheng, C., 8. jul. 2024, I: Environmental Science & Technology. 58, 30, s. 13205–13216

**Physiological response of mussel to rayon microfibers and PCB's exposure: overlooked semi-synthetic micropollutant?**  
Jiang, N., Chang, X., Khan, F. U., Fang, J.K.-H., Hu, M., Xu, E. G. & Wang, Y., mar. 2024, I: Journal of Hazardous Materials. 470, 13 s., 134107.

**Caught in Fish Gut: Uptake and Inflammatory Effects of Nanoplastics through Different Routes in the Aquatic Environment**  
Wang, J., Qiu, W., Cheng, H., Chen, T., Tang, Y., Magnuson, J. T., Xu, X., Xu, E. G. & Zheng, C., 12. jan. 2024, I: ACS ES&T Water. 4, 1, s. 91–102

Chlorination of Emerging Contaminants for Application in Potable Wastewater Reuse: Disinfection Byproduct Formation, Estrogen Activity, and Cytotoxicity  
Cochran, K. H., Westerman, D. C., Montagner, C. C., Coffin, S., Diaz, L., Fryer, B., Harraka, G., Xu, E. G., Huang, Y., Schlenk, D., Dionysiou, D. D. & Richardson, S. D., 9. jan. 2024, I: Environmental Science & Technology. 58, 1, s. 704-716

**Maternal or Paternal Antibiotics? Intergenerational Transmission and Reproductive Toxicity in Zebrafish**  
Xu, B., Pu, M., Jiang, K., Qiu, W., Xu, E. G., Wang, J., Magnuson, J. T. & Zheng, C., 2024, I: Environmental Science & Technology. 58, 2, s. 1287–1298

**Million Microfiber Releases: Comparing Washable and Disposable Face Masks**  
Huang, Y., Laghrissi, A., Fiutowski, J., Hedegaard, M. A. B., Duan, X., Wang, X., Helal, M., Rubahn, H.-G., Holbech, H., Hardiman, G., Xu, X. & Xu, E. G., 2024, I: Environmental Science & Technology. 58, 40, s. 17874–17885

**Natural infochemical DMSP stimulates the transfer of microplastics from freshwater zooplankton to fish: An olfactory trap**  
Yang, W., Tan, Q., Qian, S., Huang, Y., Xu, E. G., Long, X. & Li, W., dec. 2023, I: Aquatic Toxicology. 265, 106735.

**Unraveling the role of natural and pyrogenic dissolved organic matter in photodegradation of biodegradable microplastics in freshwater**  
He, J., Ma, W., Han, L., Chen, L., Xu, E. G., Xing, B. & Yang, Z., dec. 2023, I: Carbon Research. 2, 14 s., 18.

**Tracing and trapping micro- and nanoplastics: Untapped mitigation potential of aquatic plants?**  
Yuan, W., Xu, E. G., Li, L., Zhou, A., Peijnenburg, W. J. G. M., Grossart, H.-P., Liu, W. & Yang, Y., 15. aug. 2023, I: Water Research. 242, 9 s., 120249.

**Combined toxic effects of nanoplastics and norfloxacin on mussel: Leveraging biochemical parameters and gut microbiota**  
Xu, R., Li, L., Zheng, J., Ji, C., Wu, H., Chen, X., Chen, Y., Hu, M., Xu, E. G. & Wang, Y., 1. jul. 2023, I: Science of the Total Environment. 880, 9 s., 163304.

**Cutting Boards: An Overlooked Source of Microplastics in Human Food?**  
Yadav, H., Khan, M. R. H., Quadir, M., Rusch, K. A., Mondal, P. P., Orr, M., Xu, E. G. & Iskander, S. M., 23. maj 2023, I: Environmental Science & Technology. 57, 22, s. 8225-8235

**Mechanism insight into the facet-dependent photoaging of polystyrene microplastics on hematite in freshwater**  
He, J., Han, L., Ma, W., Xu, C., Xu, E. G., Ma, C., Xing, B. & Yang, Z., maj 2023, I: Water Research X. 19, 9 s., 100185.

**Poly- and Perfluoroalkyl Substances Induce Immunotoxicity via the TLR Pathway in Zebrafish: Links to Carbon Chain Length**  
Tang, L., Qiu, W., Zhang, S., Wang, J., Yang, X., Xu, B., Magnuson, J. T., Xu, E. G., Wu, M. & Zheng, C., 5. apr. 2023, I: Environmental Science & Technology. 57, 15, s. 6139-6149

**Perfluorononanoic Acid Induces Neurotoxicity via Synaptogenesis Signaling in Zebrafish**  
Liu, S., Qiu, W., Li, R., Chen, B., Wu, X., Magnuson, J. T., Xu, B., Luo, S., Xu, E. G. & Zheng, C., 7. mar. 2023, I: Environmental Science & Technology. 57, 9, s. 3783-3793

**Low particle concentrations of nanoplastics impair the gut health of medaka**  
Zhou, Y., Gui, L., Wei, W., Xu, E. G., Zhou, W., Sokolova, I. M., Li, M. & Wang, Y., feb. 2023, I: Aquatic Toxicology. 256, 106422.

**Microbial communities, resistance genes, and resistome risks in urban lakes of different trophic states: internal links and external influences**

Mao, C., Wang, X., Li, X., Kong, Q., Xu, E. G. & Huang, J., feb. 2023, I: Journal of Hazardous Materials Advances. 9, 9 s., 100233.

**Network analysis reveals significant joint effects of microplastics and tetracycline on the gut than the gill microbiome of marine medaka**

Liao, X., Zhao, P., Hou, L., Adyari, B., Xu, E. G., Huang, Q. & Hu, A., 15. jan. 2023, I: Journal of Hazardous Materials. 442, 129996.

**Microplastic contamination in seawater across global marine protected areas boundaries**

Nunes, B. Z., Huang, Y., Ribeiro, V. V., Wu, S., Holbech, H., Moreira, L. B., Xu, E. G. & Castro, I. B., 1. jan. 2023, I: Environmental Pollution. 316, 1, 120692.

**Micro- and nanoplastics: A new cardiovascular risk factor?**

Zhu, X., Wang, C., Duan, X., Liang, B., Xu, E. G., Xu, E. G. & Huang, Z., jan. 2023, I: Environment International. 171, 107662.

**Microbiological processes of submicrometer plastics affecting submerged plant growth in a chronic exposure microcosm**

Lin, L., Xu, E. G., Liu, M., Yang, Y., Zhou, A., Suyamud, B., Pan, X. & Yuan, W., 2023, I: Environmental Science & Technology Letters. 10, 1, s. 33-39

**Photocatalytic strategy to mitigate microplastic pollution in aquatic environments: Promising catalysts, efficiencies, mechanisms, and ecological risks**

He, J., Han, L., Wang, F., Ma, C., Cai, Y., Ma, W., Xu, E. G., Xing, B. & Yang, Z., 2023, I: Critical Reviews in Environmental Science and Technology. 53, 4, s. 504-526

**A global snapshot of microplastic contamination in sediments and biota of marine protected areas**

Nunes, B. Z., Moreira, L. B., Xu, E. G. & Castro, I. B., 30. dec. 2022, I: Science of the Total Environment. 865, 20, 161293.

**How do microplastics adsorb metals? A preliminary study under simulated wetland conditions**

Jian, M., Niu, J., Li, W., Huang, Y., Yu, H., Lai, Z., Liu, S. & Xu, E. G., dec. 2022, I: Chemosphere. 309, Pt 1, 136547.

**Parental transfer of an antibiotic mixture induces cardiotoxicity in early life-stage zebrafish: A cross-generational study**

Xuan, R., Qiu, W., Zhou, Y., Magnuson, J. T., Luo, S., Greer, J., Xu, B., Liu, J., Xu, E. G., Schlenk, D. & Zheng, C., 25. nov. 2022, I: Science of the Total Environment. 849, 157726.

**Toxicokinetics and toxicodynamics of plastic and metallic nanoparticles: A comparative study in shrimp**

Zhu, X., Teng, J., Xu, E. G., Zhao, J., Shan, E., Sun, C. & Wang, Q., 1. okt. 2022, I: Environmental Pollution. 312, 120069.

**Microplastics can aggravate the impact of ocean acidification on the health of mussels: Insights from physiological performance, immunity and byssus properties**

Huang, X., Leung, J. Y. S., Hu, M., Xu, E. G. & Wang, Y., 1. sep. 2022, I: Environmental Pollution. 308, 119701.

**Long-term exposure to polystyrene nanoplastics impairs the liver health of medaka**

Zhou, Y., Zhao, L., Xu, H., Xu, E. G., Li, M. & Wang, Y., sep. 2022, I: Water. 14, 17, 2767.

**Sub-lethal effects of nanoplastics upon chronic exposure to *Daphnia magna***

Pikuda, O., Roubreau Dumont, E., Matthews, S., Xu, E. G., Berk, D. & Tufenkji, N., aug. 2022, I: Journal of Hazardous Materials Advances. 7, 100136.

**Enrofloxacin Induces Intestinal Microbiota-Mediated Immunosuppression in Zebrafish**

Qiu, W., Liu, T., Liu, X., Chen, H., Luo, S., Chen, Q., Magnuson, J. T., Zheng, C., Xu, E. G. & Schlenk, D., 21. jun. 2022, I: Environmental Science & Technology. 56, 12, s. 8428-8437

**Perfluorooctane sulfonamide (PFOSA) induces cardiotoxicity via aryl hydrocarbon receptor activation in zebrafish**

Chen, H., Qiu, W., Yang, X., Chen, F., Chen, J., Tang, L., Zhong, H., Magnuson, J. T., Zheng, C. & Xu, E. G., 21. jun. 2022, I: *Environmental Science & Technology*. 56, 12, s. 8438-8448

**Antibiotic chlortetracycline causes transgenerational immunosuppression via NF- $\kappa$ B**

Qiu, W., Chen, B., Tang, L., Zheng, C., Xu, B., Liu, Z., Magnuson, J. T., Zhang, S., Schlenk, D., Xu, E. G. & Xing, B., 5. apr. 2022, I: *Environmental Science & Technology*. 56, 7, s. 4251-4261 11 s.

**The developing zebrafish kidney is impaired by Deepwater Horizon crude oil early-life stage exposure: A molecular to whole-organism perspective**

Bonatesta, F., Emadi, C., Price, E. R., Wang, Y., Greer, J., Xu, E. G., Schlenk, D., Grosell, M. & Mager, E. M., 20. feb. 2022, I: *Science of the Total Environment*. 808, 15 s., 151988.

**Metabolic Consequences of Developmental Exposure to Polystyrene Nanoplastics, the Flame Retardant BDE-47 and Their Combination in Zebrafish**

Chackal, R., Eng, T., Rodrigues, E., Matthews, S., Pagé-Larivière, F., Avery-Gomm, S., Xu, E. G., Tufenkji, N., Hemmer, E. & Mennigen, J., 16. feb. 2022, I: *Frontiers in Pharmacology*. 13, 20 s., 822111.

**Environmental fate of microplastics in the world's third-largest river: basin-wide investigation and microplastic community analysis**

Yuan, W., Christie-Oleza, J. A., Xu, E. G., Li, J., Zhang, H., Wang, W., Lin, L., Zhang, W. & Yang, Y., 15. feb. 2022, I: *Water Research*. 210, 10 s., 118002.

**Missing relationship between meso- and microplastics in adjacent soils and sediments**

Xu, L., Han, L., Li, J., Zhang, H., Jones, K. & Xu, E. G., 15. feb. 2022, I: *Journal of Hazardous Materials*. 424, Part A, 10 s., 127234.

**Is microplastic an oxidative stressor? Evidence from a meta-analysis on bivalves**

Li, Z., Chang, X., Hu, M., Fang, J.K.-H., Sokolova, I. M., Huang, W., Xu, E. G. & Wang, Y., 5. feb. 2022, I: *Journal of Hazardous Materials*. 423, Part B, 15 s., 127211.

**Uptake, translocation, and biological impacts of micro(nano)plastics in terrestrial plants: Progress and prospects**

Wang, W., Yuan, W., Xu, E. G., Li, L., Zhang, H. & Yang, Y., jan. 2022, I: *Environmental Research*. 203, 11 s., 111867.

**Environmental occurrence, fate, impact, and potential solution of tire microplastics: Similarities and differences with tire wear particles**

Luo, Z., Zhou, X., Su, Y., Wang, H., Yu, R., Zhou, S., Xu, E. G. & Xing, B., 15. nov. 2021, I: *Science of the Total Environment*. 795, 148902.

**Toxicity Mechanisms of Polystyrene Microplastics in Marine Mussels Revealed by High-Coverage Quantitative Metabolomics Using Chemical Isotope Labeling Liquid Chromatography Mass Spectrometry**

Huang, W., Wang, X., Chen, D., Xu, E. G., Luo, X., Zeng, J., Huan, T., Li, L. & Wang, Y., 5. sep. 2021, I: *Journal of Hazardous Materials*. 417, 10 s., 126003.

**Key mechanisms of micro- and nanoplastic (MNP) toxicity across taxonomic groups**

Matthews, S., Mai, L., Jeong, C.-B., Lee, J.-S., Zeng, E. Y. & Xu, E. G., sep. 2021, I: *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*. 247, 15 s., 109056.

**Molecular mechanisms of zooplanktonic toxicity in the okadaic acid-producing dinoflagellate *Prorocentrum lima***

Gong, Y., Zhang, K., Geng, N., Wu, M., Yi, X., Liu, R., Challis, J. K., Codling, G., Xu, E. G. & Giesy, J. P., 15. jun. 2021, I: *Environmental Pollution*. 279, 10 s., 116942.

**Analysis of environmental nanoplastics: Progress and challenges**

Cai, H., Xu, E. G., Du, F., Li, R., Liu, J. & Shi, H., 15. apr. 2021, I: *Chemical Engineering Journal*. 410, 12 s., 128208.

**Effects of Microplastics on Immune Responses of the Yellow Catfish *Pelteobagrus fulvidraco* Under Hypoxia**

Li, L., Xu, R., Jiang, L., Xu, E. G., Wang, M., Wang, J., Li, B., Hu, M., Zhang, L. & Wang, Y., 2021, I: *Frontiers in Physiology*. 12, 12 s., 753999.

**Polystyrene micro- And nanoplastics affect locomotion and daily activity of *Drosophila melanogaster***

Matthews, S., Xu, E. G., Roubeau Dumont, E., Meola, V., Pikuda, O., Cheong, R. S., Guo, M., Tahara, R., Larsson, H. C. E. & Tufenkji, N., 2021, I: *Environmental Science: Nano*. 8, 1, s. 110-121

**Occurrence and distribution of microplastics in China's largest freshwater lake system**

Jian, M., Zhang, Y., Yang, W., Zhou, L., Liu, S. & Xu, E. G., dec. 2020, I: *Chemosphere*. 261, 128186.

**Primary and Secondary Plastic Particles Exhibit Limited Acute Toxicity but Chronic Effects on *Daphnia magna***

Xu, E. G., Cheong, R. S., Liu, L., Hernandez, L. M., Azimzada, A., Bayen, S. & Tufenkji, N., 2. jun. 2020, I: *Environmental Science & Technology*. 54, 11, s. 6859–6868

**Synergistic toxicity of microcystin-LR and Cu to zebrafish (*Danio rerio*)**

Wei, H., Wang, S., Xu, E. G., Liu, J., Li, X. & Wang, Z., 15. apr. 2020, I: *Science of the Total Environment*. 713, 136393.

**A Review of Microplastics in Table salt, Drinking Water, and Air: Direct Human Exposure**

Zhang, Q., Xu, E. G., Li, J., Chen, Q., Ma, L., Zeng, E. Y. & Shi, H., 2020, I: *Environmental Science & Technology*. 54, 7, s. 3740-3751

**Exposure to crude oil induces retinal apoptosis and impairs visual function in fish**

Magnuson, J. T., Bautista, N. M., Lucero, J., Lund, A. K., Xu, E. G., Schlenk, D., Burggren, W. W. & Roberts, A. P., 2020, I: *Environmental Science & Technology*. 54, 5, s. 2843-2850

**Plastic Teabags Release Billions of Microparticles and Nanoparticles into Tea**

Hernandez, L. M., Xu, E. G., Larsson, H. C. E., Tahara, R., Maisuria, V. B. & Tufenkji, N., 5. nov. 2019, I: *Environmental Science & Technology*. 53, 21, s. 12300-12310

**Assessing Toxicity and in Vitro Bioactivity of Smoked Cigarette Leachate Using Cell-Based Assays and Chemical Analysis**

Xu, E. G., Richardot, W. H., Buruaem, L., Wei, H.-H., Dodder, N. G., Schick, S. F., Novotny, T., Schlenk, D., Gersberg, R. M. & Hoh, E., 19. aug. 2019, I: *Chemical Research in Toxicology*. 32, 8, s. 1670-1679

**Mahi-mahi (*Coryphaena hippurus*) life development: morphological, physiological, behavioral and molecular phenotypes**

Perrichon, P., Stieglitz, J. D., Xu, E. G., Magnuson, J. T., Pasparakis, C., Mager, E. M., Wang, Y., Schlenk, D., Benetti, D. D., Grosell, M. & Burggren, W. W., maj 2019, I: *Developmental Dynamics*. 248, 5, s. 337-350

**mRNA-miRNA-Seq Reveals Neuro-Cardio Mechanisms of Crude Oil Toxicity in Red Drum (*Sciaenops ocellatus*)**

Xu, E. G., Khursigara, A. J., Li, S., Esbaugh, A. J., Dasgupta, S., Volz, D. C. & Schlenk, D., 19. mar. 2019, I: *Environmental Science & Technology*. 53, 6, s. 3296-3305

**Artificial turf infill associated with systematic toxicity in an amniote vertebrate**

Xu, E. G., Lin, N., Cheong, R. S., Ridsdale, C., Tahara, R., Du, T. Y., Das, D., Silva, L. P., Azimzada, A., Larsson, H. C. E. & Tufenkji, N., 2019, I: *PNAS*. 116, 50, s. 25156-25161 6 s.

**Separation and Analysis of Microplastics and Nanoplastics in Complex Environmental Samples**

Claveau-Mallet, D., Claveau-Mallet, D., Hernandez, L. M., Xu, E. G., Farner, J. M. & Tufenkji, N., 2019, I: *Accounts of Chemical Research*. 52, 4, s. 858-866

**Short-term exposure to positively charged polystyrene nanoparticles causes oxidative stress and membrane destruction in cyanobacteria**

Feng, L.-J., Li, J.-W., Xu, E. G., Sun, X.-D., Zhu, F.-P., Ding, Z., Tian, H., Xia, P.-F., Yuan, X.-Z. & Dong, S.-S., 2019, I: *Environmental Science: Nano*. 6, 10, s. 3072-3079

Toxicity Assessments of Micro- and Nanoplastics Can Be Confounded by Preservatives in Commercial Formulations  
Pikuda, O., Xu, E. G., Berk, D. & Tufenkji, N., 2019, I: Environmental Science & Technology Letters. 6, 1, s. 21-25

Effects of HCO<sub>3</sub><sup>-</sup> on Degradation of Toxic Contaminants of Emerging Concern by UV/NO<sub>3</sub><sup>-</sup>  
Huang, Y., Kong, M., Westerman, D., Xu, E. G., Coffin, S., Cochran, K. H., Liu, Y., Richardson, S. D., Schlenk, D. & Dionysiou, D. D., 6. nov. 2018, I: Environmental Science & Technology. 52, 21, s. 12697-12707

Tracking major endocrine disruptors in coastal waters using an integrative approach coupling field-based study and hydrodynamic modeling  
Xu, E. G., Chan, S. N., Choi, K. W., Lee, J. H. W. & Leung, K. M. Y., feb. 2018, I: Environmental Pollution. 233, s. 387-394

Acute toxicity of an emerging insecticide pymetrozine to *Procambarus clarkii* associated with rice-crayfish culture (RCIS)  
Yu, J., Xu, E. G., Li, W., Jin, S., Yuan, T., Liu, J., Li, Z. & Zhang, T., 2018, I: International Journal of Environmental Research and Public Health. 15, 5, 984.

Changes in microRNA–mRNA Signatures Agree with Morphological, Physiological, and Behavioral Changes in Larval Mahi-Mahi Treated with Deepwater Horizon Oil  
Xu, E. G., Magnuson, J. T., Diamante, G., Mager, E., Pasparakis, C., Grosell, M., Roberts, A. P. & Schlenk, D., 2018, I: Environmental Science & Technology. 52, 22, s. 13501-13510

Changes in thyroid status of *Menidia beryllina* exposed to the antifouling booster irgarol: Impacts of temperature and salinity  
Moreira, L. B., Diamante, G., Giroux, M., Xu, E. G., Abessa, D. M. D. S. & Schlenk, D., 2018, I: Chemosphere. 209, s. 857-865

Cyto- and geno-toxicity of 1,4-dioxane and its transformation products during ultraviolet-driven advanced oxidation processes  
Xu, E., Schlenk, D. & Liu, H., 2018, I: Environmental Science: Water Research & Technology. 4, 9, s. 1213-1218

Ecological risks posed by ammonia nitrogen (AN) and un-ionized ammonia (NH<sub>3</sub>) in seven major river systems of China  
Liu, H., Xu, E. G., Vidal-Dorsch, D. E. & Giesy, J. P., 2018, I: Chemosphere. 202, s. 136-144

Efficient degradation of cytotoxic contaminants of emerging concern by UV/H<sub>2</sub>O<sub>2</sub>  
Huang, Y., Liu, Y., Kong, M., Xu, E. G., Coffin, S., Schlenk, D. & Dionysiou, D. D., 2018, I: Environmental Science: Water Research & Technology. 4, 9, s. 1272-1281

Impacts of Salinity and Temperature on the Thyroidogenic Effects of the Biocide Diuron in *Menidia beryllina*  
Moreira, L. B., Diamante, G., Giroux, M., Coffin, S., Xu, E. G., Moledo De Souza Abessa, D. & Schlenk, D., 2018, I: Environmental Science & Technology. 52, 5, s. 3146-3155

Interrogation of the Gulf toadfish intestinal proteome response to hypersalinity exposure provides insights into osmoregulatory mechanisms and regulation of carbonate mineral precipitation  
Schauer, K. L., Reddam, A., Xu, E. G., Wolfe, L. M. & Grosell, M., 2018, I: Comparative Biochemistry and Physiology Part D: Genomics and Proteomics. 27, s. 66-76

The effect of chlorpyrifos on salinity acclimation of juvenile rainbow trout (*Oncorhynchus mykiss*)  
Amiri, B. M., Xu, E. G., Kupsco, A., Giroux, M., Hoseinzadeh, M. & Schlenk, D., 2018, I: Aquatic Toxicology. 195, s. 97-102

Differential Expression of MicroRNAs in Embryos and Larvae of Mahi-Mahi (*Coryphaena hippurus*) Exposed to Deepwater Horizon Oil  
Diamante, G., Xu, E. G., Chen, S., Mager, E., Grosell, M. & Schlenk, D., 12. dec. 2017, I: Environmental Science & Technology Letters. 4, 12, s. 523-529

Mixture toxicity of bensulfuron-methyl and acetochlor to red swamp crayfish (*Procambarus clarkii*): Behavioral, morphological and histological effects

Yu, J., Xu, E. G., Ren, Y., Jin, S., Zhang, T., Liu, J. & Li, Z., 27. nov. 2017, I: International Journal of Environmental Research and Public Health. 14, 12, 1466.

Larval Red Drum (*Sciaenops ocellatus*) Sublethal Exposure to Weathered Deepwater Horizon Crude Oil: Developmental and Transcriptomic Consequences

Xu, E. G., Khursigara, A. J., Magnuson, J., Hazard, E. S., Hardiman, G., Esbaugh, A. J., Roberts, A. P. & Schlenk, D., 5. sep. 2017, I: Environmental Science & Technology. 51, 17, s. 10162-10172

Developmental transcriptomic analyses for mechanistic insights into critical pathways involved in embryogenesis of pelagic mahi-mahi (*Coryphaena hippurus*)

Xu, E. G., Mager, E. M., Grosell, M., Stieglitz, J. D., Hazard, E. S., Hardiman, G. & Schlenk, D., jul. 2017, I: PLOS ONE. 12, 7, e0180454.

Spatial and temporal ecological risk assessment of unionized ammonia nitrogen in Tai Lake, China (2004–2015)

Li, Y., Xu, E. G., Liu, W., Chen, Y., Liu, H., Li, D., Liu, Z., Giesy, J. P. & Yu, H., jun. 2017, I: Ecotoxicology and Environmental Safety. 140, s. 249-255

Novel transcriptome assembly and comparative toxicity pathway analysis in mahi-mahi (*Coryphaena hippurus*) embryos and larvae exposed to Deepwater Horizon oil

Xu, E. G., Mager, E. M., Grosell, M., Hazard, E. S., Hardiman, G. & Schlenk, D., 15. mar. 2017, I: Scientific Reports. 7, 44546.

Developmental toxicity of hydroxylated chrysene metabolites in zebrafish embryos

Diamante, G., do Amaral e Silva Müller, G., Menjivar-Cervantes, N., Xu, E. G., Volz, D. C., Dias Bairy, A. C. & Schlenk, D., 2017, I: Aquatic Toxicology. 189, s. 77-86

Time- and Oil-Dependent Transcriptomic and Physiological Responses to Deepwater Horizon Oil in Mahi-Mahi (*Coryphaena hippurus*) Embryos and Larvae

Xu, E. G., Mager, E. M., Grosell, M., Pasparakis, C., Schlenker, L. S., Stieglitz, J. D., Benetti, D., Hazard, E. S., Courtney, S. M., Diamante, G., Freitas, J., Hardiman, G. & Schlenk, D., 19. jul. 2016, I: Environmental Science & Technology. 50, 14, s. 7842-7851

Trophic transfer and effects of DDT in male hornyhead turbot (*Pleuronichthys verticalis*) from Palos Verdes Superfund site, CA (USA) and comparisons to field monitoring

Crago, J., Xu, E. G., Kupsco, A., Jia, F., Mehinto, A. C., Lao, W., Maruya, K. A., Gan, J. & Schlenk, D., jun. 2016, I: Environmental Pollution. 213, s. 940-948

**Long-term spatio-temporal trends of organotin contaminations in the marine environment of Hong Kong**

Ho, K. K. Y., Zhou, G.-J., Xu, E. G. B., Wang, X. & Leung, K. M. Y., maj 2016, I: PLOS ONE. 11, 5, e0155632.

Microbial community structure and predicted bacterial metabolic functions in biochar pellets aged in soil after 34 months

Sun, D., Meng, J. & Xu, E. G., apr. 2016, I: Applied Soil Ecology. 100, s. 135-143

Biochar as a novel niche for culturing microbial communities in composting

Sun, D., Lan, Y., Xu, E. G., Meng, J. & Chen, W., 2016, I: Waste Management. 54, s. 93-100

Revealing ecological risks of priority endocrine disrupting chemicals in four marine protected areas in Hong Kong through an integrative approach

Xu, E. G., Ho, P.-L., Tse, Z., Ho, S.-L. & Leung, K. M. Y., 2016, I: Environmental Pollution. 215, s. 103-112

Spatial and temporal assessment of environmental contaminants in water, sediments and fish of the Salton Sea and its two primary tributaries, California, USA, from 2002 to 2012

Xu, E. G., Bui, C., Lamerdin, C. & Schlenk, D., 2016, I: Science of the Total Environment. 559, s. 130-140

Environmental fate and ecological risks of nonylphenols and bisphenol A in the Cape D'Aguilar Marine Reserve, Hong Kong

Xu, E. G. B., Morton, B., Lee, J. H. W. & Leung, K. M. Y., 15. feb. 2015, I: Marine Pollution Bulletin. 91, 1, s. 128-138

An integrated environmental risk assessment and management framework for enhancing the sustainability of marine protected areas: The Cape d'Aguilar Marine Reserve case study in Hong Kong

Xu, E. G. B., Leung, K. M. Y., Morton, B. & Lee, J. H. W., feb. 2015, I: Science of the Total Environment. 505, s. 269-281

The occurrence and ecological risks of endocrine disrupting chemicals in sewage effluents from three different sewage treatment plants, and in natural seawater from a marine reserve of Hong Kong

Xu, E. G. B., Liu, S., Ying, G.-G., Zheng, G. J. S., Lee, J. H. W. & Leung, K. M. Y., 30. aug. 2014, I: Marine Pollution Bulletin. 85, 2, s. 352-362

Molecular method for sex identification of half-smooth tongue sole (*Cynoglossus semilaevis*) using a novel sex-linked microsatellite marker

Liao, X., Xu, G. & Chen, S.-L., 2014, I: International Journal of Molecular Sciences . 15, 7, s. 12952-12958

Induction of Mitogynogenetic Diploids and Identification of WW Super-female Using Sex-Specific SSR Markers in Half-Smooth Tongue Sole (*Cynoglossus semilaevis*)

Chen, S.-L., Ji, X.-S., Shao, C.-W., Yang, J.-F., Liang, Z., Liao, X.-L., Xu, G.-B., Xu, Y. & Song, W.-T., 2012, I: Marine Biotechnology. 14, 1, s. 120-128

Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2009-30 November 2009

An, J., Bechet, A., Berggren, Å., Brown, S. K., Bruford, M. W., Cai, Q., Cassel-Lundhagen, A., Cezilly, F., Chen, S. L., Cheng, W., Choi, S. K., Ding, X. Y., Fan, Y., Feldheim, K. A., Feng, Z. Y., Friesen, V. L., Gaillard, M., Galaraza, J. A., Gallo, L. & Ganeshiah, K. N. & 30 flere, Geraci, J., Gibbons, J. G., Grant, W. S., Grauvogel, Z., Gustafsson, S., Guyon, J. R., Han, L., Heath, D. D., Hemmilä, S., Hogan, J. D., Hou, B. W., Jakse, J., Javornik, B., Kaňuch, P., Kim, K. I. K., Kim, K. S., Kim, S. G., Kim, S. I., Kim, W. J., Kim, Y. K., Klich, M. A., Kreiser, B. R., Kwan, Y. S., Lam, A. W., Lasater, K., Lascoux, M., Li, W. Y., Ma, Y. H., Wang, Y. Q. & Xu, G., mar. 2010, I: Molecular Ecology Resources. 10, 2, s. 404-408

New polymorphic microsatellite markers for bluefin leatherjacket (*Navodon septentrionalis* Gunther, 1877)

Xu, G.-B., Chen, S.-L. & Tian, Y.-S., 2010, I: Conservation Genetics. s. 1111-1113

A new method for SNP discovery

Xu, J.-Y., Xu, G.-B. & Chen, S.-L., 2009, I: BioTechniques. 46, 3, s. 201-208

Construction of a genetic linkage map and mapping of a female-specific DNA marker in half-smooth tongue sole (*Cynoglossus semilaevis*)

Liao, X., Xu, G.-B., Shao, C.-W., Ji, X.-S., Yang, J.-F., Chen, S.-L. & Ma, H.-Y., 2009, I: Marine Biotechnology. 11, 699.

Eighteen novel microsatellite markers for the Chinese sea perch, *Lateolabrax maculatus*

Shao, C., Chen, S., Xu, G., Liao, X. & Tian, Y., 2009, I: Conservation Genetics. 10, s. 623-625

Isolation and characterization of 10 polymorphic microsatellite loci from small yellow croaker (*Pseudosciaena polyactis*)

Chen, S.-L., Xing, S.-C., Xu, G.-B., Liao, X. & Yang, J.-F., 2009, I: Conservation Genetics. 10, 1469.

Isolation and characterization of 30 novel polymorphic microsatellite loci from Japanese halfbeak, *Hyporhamphus sajori* (Temminck et Schlegel, 1846)

Xing, S.-C., Xu, G.-B., Liu, S.-S., Yang, G.-P., Liao, X.-L., Tian, Y.-S. & Chen, S.-L., 2009, I: Conservation Genetics. 10, 1927.

Isolation and characterization of polymorphic microsatellite loci from bluefin leatherjacket (*Navodon septentrionalis* Gunther, 1877)



Xu, G.-B., Tian, Y.-S., Liao, X.-L. & Chen, S.-L., 2009, I: Conservation Genetics. 10, s. 1181-1184

Isolation and characterization of 12 dinucleotide microsatellite loci from Belenger's jewfish (*Johnius belengerii* Cuvier 1830)  
Xu, G., Shao, C., Liao, X., Tian, Y. & Chen, S., 2009, I: Conservation Genetics. 10, s. 1009-1011

Isolation and characterization of polymorphic microsatellite loci from so-iuy mullet (*Mugil soiuy* Basilewsky 1855)  
Xu, G., Shao, C., Liao, X., Tian, Y. & Chen, S., 2009, I: Conservation Genetics. 10, s. 653-655

New polymorphic microsatellite markers for the summer flounder, *Paralichthys dentatus*  
Shao, C., Xu, G., Wang, L., Liao, X., Tian, Y. & Chen, S., 2009, I: Conservation Genetics. 10, s. 717-719

Ten polymorphic microsatellite loci for the Atlantic halibut (*Hippoglossus hippoglossus*) and cross-species application in related species  
Ding, H., Shao, C., Liao, X., Xu, G., Ji, X. & Chen, S., 2009, I: Conservation Genetics. 10, s. 611-614

Twelve polymorphic microsatellite loci from a dinucleotide-enriched genomic library of Japanese Spanish mackerel (*Scomberomorus niphonius*)  
Xing, S.-C., Xu, G.-B., Liao, X.-L., Yang, G.-P. & Chen, S.-L., 2009, I: Conservation Genetics. 10, s. 1167-1169

Development of 15 novel dinucleotide microsatellite markers in the Senegalese sole *Solea senegalensis*  
Chen, S.-L., Shao, C.-W., Xu, G.-B., Liao, X.-L. & Tian, Y.-S., 2008, I: Fisheries Science. 74, s. 1357-1359