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**Review Article**

In search for potential biomarkers of copper stress in aquatic plants

*M. Krayem (Lebanon, France), S.E. Khatib, Y. Hassan (Lebanon), V. Deluchat, P. Labrousse (France)*

**Original Research Articles**

Comparative developmental toxicity of conventional oils and diluted bitumen on early life stages of the rainbow trout (*Oncorhynchus mykiss*)

*M. Schiano Di Lombo (France, Canada), S. Weeks-Santos, C. Clérandeau (France), G. Triffault-Bouchet, S. Langlois Valérie, P. Couture (Canada), J. Cachot (France)*

Differences in marine megafauna *in vitro* sensitivity highlights the need for species-specific chemical risk assessments

*K.A. Finlayson, J.P. van de Merwe (Australia)*

Genome-wide analyses of ATP-Binding Cassette (ABC) transporter gene family and its expression profile related to deltamethrin tolerance in non-biting midge *Prosilocerus akamusi*

*W. Liu, X. Sun, W. Sun, A. Zhou, R. Li, B. Wang, X. Li, C. Yan (China)*

Simvastatin affects the PPAR $\alpha$  signaling pathway and causes oxidative stress and embryonic development interference in *Mugilogobius abei*

*C. Wang, T. Tang, Y. Wang, X. Nie, K. Li (China)*

105952 Impact of heavy metals in the microalga *Chlorella sorokiniana* and assessment of its potential use in cadmium bioremediation

*A. León-Vaz, R. León, I. Giráldez, J.M. Vega, J. Vígara (Spain)*

Small RNA analysis of *Perna viridis* after exposure to *Prorocentrum lima*, a DSP toxins-producing dinoflagellate

*J.-h. Huang, Y.-h. Jiao, L. Li, D.-w. Li, H.-y. Li, W.-d. Yang (China)*

105937 Effects of cyclophosphamide on antioxidative and immune functions of Nile tilapia (*Oreochromis Niloticus*) via the TLR-NF- $\kappa$ B signaling pathway

*L.-p. Cao, J.-I. Du, R. Jia, W.-d. Ding, P. Xu, G.-j. Yin, T. Zhang (China)*

105939 Effect of maternal ammonia stress on population dynamics of the rotifer *Brachionus calyciflorus* offspring

*H. Xu, C. Niu (China)*

Repeated exposure to simulated marine heatwaves enhances the thermal tolerance in pearl oysters

*G. He, X. Liu, Y. Xu, J. Liang, Y. Deng, Y. Zhang, L. Zhao (China)*

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<p>Bioaccumulation and chronic toxicity of arsenic and zinc in the aquatic oligochaetes <i>Branchiura sowerbyi</i> and <i>Tubifex tubifex</i> (Annelida, Clitellata)  <i>H. Lobo (Brazil), L. Méndez-Fernández, M. Martínez-Madrid, P. Rodríguez (Spain), M.A. Daam (Portugal), E.L.G. Espindola (Brazil)</i></p>	105955	<p>Single molecule real-time sequencing revealing novel insights on the response to estrogen and androgen exposure in freshwater snails  <i>F. Wang, W. Cai, W. Shi, H. Wu, Q. Shen, Y. He, S. Cui, L. An (China)</i></p>	105953
<p>An invasive mussel is in trouble: How do glyphosate, 2,4-D and its mixture affect <i>Limnoperna fortunei</i>'s survival?  <i>C.E. Miranda, C.D. Clauser, V.L. Lozano, D.H. Cataldo, H.N. Pizarro (Argentina)</i></p>	105957	<p>Identification of concealed structural alerts using QSTR modeling for <i>Pseudokirchneriella subcapitata</i>  <i>V.H. Masand (India), M.E.A. Zaki, S.A. Al-Hussain, A.B. Ghorbal (Saudi Arabia), S. Akasapu (USA), I. Lewaa (Egypt), A. Ghosh, R.D. Jawarkar (India)</i></p>	105962
<p>Chlorination in power station cooling water systems: Effect on biomass, abundance and physiology of natural phytoplankton communities  <i>M. Vannoni, V. Créach, S. Lozach, J. Barry, D. Sheahan (UK)</i></p>	105954	<p>Tylosin toxicity in the alga <i>Raphidocelis subcapitata</i> revealed by integrated analyses of transcriptome and metabolome: Photosynthesis and DNA replication-coupled repair  <i>Q. Li, D. Lu, H. Sun, J. Guo, J. Mo (China)</i></p> <p><b>Short Communication</b></p>	105964
<p>Levels of bioavailable manganese in river sediment may elevate reproductive risk in model organism <i>Caenorhabditis elegans</i>  <i>C.-W. Huang, P.-L. Yen, C.M. How, Z.Y. Chai, V.H.-C. Liao (Taiwan)</i></p>	105958	<p>Reduced pH increases mortality and genotoxicity in an Arctic coastal copepod, <i>Acartia longiremis</i>  <i>C. Halsband (Norway), M.F. Dix (UK), K.H. Sperre (Norway), H.C. Reinardy (UK, Norway)</i></p>	105961