# AIMMS publication report for: 2021-03-08

### New papers: 2021-2/3

Capinha, L., Jennings, P., Commandeur, J. N. **Bioactivation of trichloroethylene to three regioisomeric glutathione conjugates by liver fractions and recombinant human glutathione transferases: species differences and implications for human risk assessment** (Toxicology Letters, 1 Feb 2021)[https://doi.org/10.1016/j.toxlet.2021.01.021]

van’t Padje, A., Oyarte Galvez, L., Klein, M., Hink, M. A., Postma, M., Shimizu, T., Kiers, E. T. **Temporal tracking of quantum-dot apatite across in vitro mycorrhizal networks shows how host demand can influence fungal nutrient transfer strategies** (ISME Journal, Feb 2021)[https://doi.org/10.1038/s41396-020-00786-w]

van Mourik, L. M., Crum, S., Martinez-Frances, E., van Bavel, B., Leslie, H. A., de Boer, J., Cofino, W. P. **Results of WEPAL-QUASIMEME/NORMANs first global interlaboratory study on microplastics reveal urgent need for harmonization** (Science of the Total Environment, 10 Jun 2021)[https://doi.org/10.1016/j.scitotenv.2021.145071]

Alamro, H., Alzamel, M., Iliopoulos, C. S., Pissis, S. P., Watts, S. **IUPACpal: efficient identification of inverted repeats in IUPAC-encoded DNA sequences** (BMC Bioinformatics, Dec 2021)[https://doi.org/10.1186/s12859-021-03983-2]

Mojica-Benavides, M., van Niekerk, D. D., Mijalkov, M., Snoep, J. L., Mehlig, B., Volpe, G., Goksör, M., Adiels, C. B. **Intercellular communication induces glycolytic synchronization waves between individually oscillating cells** (Proceedings of the National Academy of Sciences of the United States of America, 9 Feb 2021)[https://doi.org/10.1073/pnas.2010075118]

He, C., van Mourik, L., Tang, S., Thai, P., Wang, X., Brandsma, S. H., Leonards, P. E., Thomas, K. V., Mueller, J. F. **In vitro biotransformation and evaluation of potential transformation products of chlorinated paraffins by high resolution accurate mass spectrometry** (Journal of Hazardous Materials, 5 Mar 2021)[https://doi.org/10.1016/j.jhazmat.2020.124245]