# AIMMS publication report for: 2021-03-22

### 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 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]

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/https://doi.org/10.1016/j.scitotenv.2021.14507110.1016/j.scitotenv.2021.145071]

Leslie, H. A., Brandsma, S. H., Barber, J. L., Gabrielsen, G. W., Bersuder, P., Barry, J., Shore, R. F., Walker, L. A., de Boer, J. **Decabromodiphenylether trends in the European environment: Bird eggs, sewage sludge and surficial sediments** (Science of the Total Environment, 20 Jun 2021)[https://doi.org/https://doi.org/10.1016/j.scitotenv.2021.14517410.1016/j.scitotenv.2021.145174]

Vethaak, A. D., Legler, J. **Microplastics and human health: Knowledge gaps should be addressed to ascertain the health risks of microplastics** (Science, 12 Feb 2021)[https://doi.org/10.1126/science.abe5041]

Louw, C., van Schalkwyk, E. J., Conradie, R., Louw, R., Engelbrecht, Y., Storbeck, K. H., Swart, A. C., van Niekerk, D. D., Snoep, J. L., Swart, P. **Computational modelling of the Δ4 and Δ5 adrenal steroidogenic pathways provides insight into hypocortisolism** (Molecular and cellular endocrinology, 15 Apr 2021)[https://doi.org/10.1016/j.mce.2021.111194]

Larrañaga, O., Arrieta, A., Fonseca Guerra, C., Bickelhaupt, F. M., de Cózar, A. **Nature of Alkali- and Coinage-Metal Bonds versus Hydrogen Bonds** (Chemistry - An Asian Journal, 15 Feb 2021)[https://doi.org/10.1002/asia.202001201]

FitzGerald, E. A., Butko, M. T., Boronat, P., Cederfelt, D., Abramsson, M., Ludviksdottir, H., van Muijlwijk-Koezen, J. E., de Esch, I. J., Dobritzsch, D., Young, T., Danielson, U. H. **Discovery of fragments inducing conformational effects in dynamic proteins using a second-harmonic generation biosensor** (RSC Advances, 17 Feb 2021)[https://doi.org/10.1039/d0ra09844b]

De Araújo, J. S., Peres, R. B., Da Silva, P. B., Batista, M. M., Sterk, G. J., Maes, L., Caljon, G., Leurs, R., De Koning, H. P., Kalejaiye, T. D., De Nazaré Correia Soeiro, M. **Tetrahydrophthalazinone inhibitor of phosphodiesterase with in vitro activity against intracellular trypanosomatids** (Antimicrobial agents and chemotherapy, 17 Feb 2021)[https://doi.org/10.1128/AAC.00960-20]

Al Saify, I., Cioni, L., van Mourik, L. M., Brandsma, S. H., Warner, N. A. **Optimization of a low flow sampler for improved assessment of gas and particle bound exposure to chlorinated paraffins** (Chemosphere, Jul 2021)[https://doi.org/10.1016/j.chemosphere.2021.130066]