

All Publications

1. Qadeer, A., Mubeen, S., Liu, M., **Bekele, T. G.**, Ohoro, C. R., Adeniji, A. O., ... & Sauv , S. (2024). Global environmental and toxicological impacts of polybrominated diphenyl ethers versus organophosphate esters: A comparative analysis and regrettable substitution dilemma. *Journal of Hazardous Materials*, 466, 133543.
2. Zhang, X., Lu, H., Liu, J., **Bekele, T. G.**, Wan, H., Zhong, Z., ... & Zhao, H. (2024). Mechanism of tartaric acid mediated dissipation and biotransformation of tetrabromobisphenol A and its derivatives in soil. *Journal of Hazardous Materials*, 471, 134350.
3. Ren, S., Jin, X., **Bekele, T. G.**, Lv, M., Ding, J., Tan, F., & Chen, L. (2023). Development and application of diffusive gradients in thin films for in situ sampling of the organic UV filter 4-methylbenzylidene camphor (4-MBC) in waters. *Environmental Science and Pollution Research*, 30(40), 92651-92661.
4. Wang, Q., Zhao, H., **Bekele, T. G.**, Qu, B., & Chen, J. (2023). Citric acid can enhance the uptake and accumulation of organophosphate esters (OPEs) in *Suaeda salsa* rhizosphere: Potential for phytoremediation. *Journal of Hazardous Materials*, 443, 130169.
5. Zhao, J., Zhao, H., Zhong, Z., **Bekele, T. G.**, Wan, H., & Li, Z. (2023). The bioaccumulation and biotransformation of tetrabromobisphenol A bis (allyl ether) in common carp (*Cyprinus carpio*). *Environmental Science and Pollution Research*, 30(58), 121465-121474.
6. Li, Z., Qu, B., Jiang, J., **Bekele, T. G.**, & Zhao, H. (2023). The photoactivity of complexation of DOM and copper in aquatic system: Implication on the photodegradation of TBBPA. *Science of The Total Environment*, 883, 163620.
7. Liu, M., Qadeer, A., Anis, M., Ajmal, Z., **Bekele, T. G.**, Wang, S., ... & Leung, K. M. (2023). Occurrence of per- and polyfluoroalkyl substances (PFAS): A special reference to their monitoring, distribution, and environmental fate. In *Emerging aquatic contaminants* (pp. 173-202). Elsevier.
8. Qadeer, A., Ajmal, Z., Hanxia, L., Ran, D., **Bekele, T. G.**, Kirsten, K. L., ... & Xingru, Z. (2023). Influence of habitats and physicochemical factors on trophic transfer processes of antibiotics in a freshwater ecosystem: Application of stable isotopes and human health risks. *Science of The Total Environment*, 863, 160765.
9. Zhao, D., **Bekele, T. G.**, & Zhao, H. (2022). Effect of copper on bioconcentration of benzotriazole ultraviolet stabilizers (BUVSS) in common carp (*Cyprinus carpio*). *Environmental Research*, 211, 113121.
10. Zhang, X., Huang, C., Ren, J., **Bekele, T. G.**, & Zhao, H. (2022). Effect of cyclodextrin on desorption of petroleum hydrocarbons in soil. *Process Safety and Environmental Protection*, 160, 199-208.
11. Ren, S., Wang, Y., Sun, D., **Bekele, T. G.**, Dong, F., Zhao, H., & Tan, F. (2022). Simultaneous evaluation of kinetic release of labile arsenic and phosphorus in agricultural soils using cerium oxide-based DGT. *Science of The Total Environment*, 807, 151039.

12. Ren, S., Dong, F., Liu, J., **Bekele, T. G.**, Wang, Y., Zhao, H., ... & Wang, X. (2022). Development of diffusive gradients in thin film technique for seasonal monitoring of benzophenone-type UV filters in coastal waters. *Water Research*, 222, 118944.
13. Li, Z., Zhao, H., Li, X., & **Bekele, T. G.** (2022). Characteristics and sources of environmentally persistent free radicals in PM 2.5 in Dalian, China: correlation with polycyclic aromatic hydrocarbons. *Environmental Science and Pollution Research*, 1-11.
14. **Bekele, T. G.**, Zhao, H., & Wang, Q. (2021). Tissue distribution and bioaccumulation of organophosphate esters in wild marine fish from Laizhou Bay, North China: Implications of human exposure via fish consumption. *Journal of Hazardous Materials*, 401, 123410.
15. **Bekele, T. G.**, Zhao, H., Yang, J., Chegen, R. G., Chen, J., & Qadeer, A. (2021). A review of environmental occurrence, analysis, bioaccumulation, and toxicity of organophosphate esters. *Environmental Science and Pollution Research*, 28(36), 49507-49528.
16. **Bekele, T. G.**, Ambelu, A., Chegen, R. G., Bekele, A. G., Mekonen, S., & Endale, H. (2021). Relevance of macroinvertebrate communities as a water quality monitoring tool in ecosystems under harsh environmental conditions in the Rift Valley region. *Environmental Monitoring and Assessment*, 193, 1-13.
17. Wang, Q., Zhao, H., **Bekele, T. G.**, Qu, B., & Chen, J. (2021). Organophosphate esters (OPEs) in wetland soil and Suaeda salsa from intertidal Laizhou Bay, North China: Levels, distribution, and soil-plant transfer model. *Science of The Total Environment*, 764, 142891.
18. Gao, D., Yang, J., **Bekele, T. G.**, Zhao, S., Zhao, H., Li, J., ... & Zhao, H. (2020). Organophosphate esters in human serum in Bohai Bay, North China. *Environmental Science and Pollution Research*, 27, 2721-2729.
19. **Bekele, T. G.**, Zhao, H., Wang, Q., & Chen, J. (2019). Bioaccumulation and trophic transfer of emerging organophosphate flame retardants in the marine food webs of Laizhou Bay, North China. *Environmental Science & Technology*, 53(22), 13417-13426.
20. Chen, M., Zhao, H., Wang, Y., **Bekele, T. G.**, Liu, W., & Chen, J. (2019). Uptake and depuration of eight fluoroquinolones (FQs) in common carp (*Cyprinus carpio*). *Ecotoxicology and Environmental Safety*, 180, 202-207.
21. **Bekele, T. G.**, Zhao, H., Wang, Y., Jiang, J., & Tan, F. (2018). Measurement and prediction of bioconcentration factors of organophosphate flame retardants in common carp (*Cyprinus carpio*). *Ecotoxicology and Environmental Safety*, 166, 270-276.
22. Liu, S., **Bekele, T. G.**, Zhao, H., Cai, X., & Chen, J. (2018). Bioaccumulation and tissue distribution of antibiotics in wild marine fish from Laizhou Bay, North China. *Science of the Total Environment*, 631, 1398-1405.
23. Zhao, H., Quan, W., **Bekele, T. G.**, Chen, M., Zhang, X., & Qu, B. (2018). Effect of copper on the accumulation and elimination kinetics of fluoroquinolones in the zebrafish (*Danio rerio*). *Ecotoxicology and environmental safety*, 156, 135-140.