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Prof. Dr. ir. Filip Tack is professor in biogeochemistry of trace elements and head of the Laboratory of Analytical Chemistry and Applied Ecochemistry of Ghent University. He is currently chairman of the Department of Analytical and Physical Chemistry.

His research is largely focussed on the biogeochemistry of trace elements. Recent research topics include the study of the occurrence, chemical speciation and behaviour of trace metals in riparian zones and dredged sediment disposal sites, treatment of waste water using plant based systems, and management/remediation of moderate metal contamination using phytoremediation and phytostabilisation. In addition, he is involved in research related to the cradle to cradle recycling of nutrients by recovery from municipal, agricultural, and other waste products. He is author or co-author of about 170 publications in international journals (h-index 36), 6 chapters in books and more than 100 contributions to international congresses.

He coordinates the International Master in Environmental Science and Engineering, an international programme where students move to different institutions during their studies. He teaches in topics related to analytical chemistry, environmental and soil chemistry, and soil remediation. He is currently associate editor of "The Science of the Total Environment" and member of the editorial board of "Environmental Pollution". He is a member of the International Society of Trace Element Biogeochemistry, the Belgian Society of Soil Science and ie-net, the Flemish Society of Engineers.

Selected publications

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