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About

Title of PhD: Environmental Fate and Behaviour of Persistent Organic Pollutants in UK Lakes

Supervisor: Professor Stuart Harrad (/staff/profiles/gees/harrad-stuart.aspx)

Congqiao Yang's project is part of the recently-commenced 5 year OPAL (Open Air Laboratories) project studying the contamination of English freshwater lakes by persistent organic chemicals. Using the two years' data available to date in the research group, the project will continue to determine concentrations of PCBs, PAH, PBDEs, HBCDs and TBBP-A in samples of water, sediment core section and fish from nine English lakes.

Qualifications

Bachelor Degree in Environmental Science (2007, China)

Master Degree in Environmental Science (2010, China)

Biography

Congqiao Yang previously did her bachelors degree in Environmental Science at the Central University for Nationalities, China. Afterwards she undertook a masters in the same major, and in the final year she got the chance come to the University of Birmingham to do a PhD.

Other activities

Congqiao Yang will conduct her main research activities at the University of Birmingham, along with some collaborators:

- Environmental Change Research Centre, University College London (UCL), UK
- Centre for Environment, Fisheries & Aquaculture Science, Lowestoft Laboratory, UK
- School of Environmental Science and Engineering, Tsinghua University, Beijing, China
- Congqiao Yang will get trainings and conduct some lab work in the above labs, and colleagues in UCL assist with sample collection.

Publications

Determination of Hexabromocyclododecane Diastereomers in Soil by Ultra Performance Liquid Chromatography-Electrospray Ion Source /Tandem Mass Spectrometry. Jin J., Yang C. Q., Wang Y. and Liu A. M. Chin J Anal Chem 2009; 37: 585-588. (available online at **www.ScienceDirect.com (http://www.sciencedirect.com/)**)

Polybrominated diphenyl ethers in the serum and breast milk of the resident population from production area, China. Jun Jin, Ying Wang, Congqiao Yang, Jicheng Hu, Weizhi Liu, Jian Cui, Xiaoyan Tang. Environment International. 2009; 35: 1048-52.

Hexabromocyclododecane in tree bark from Beijing, China. Jun Jin, Congqiao Yang, Jicheng Hu, Ying Wang. Organohalogen Compounds 2009; 71: 416-419.

Levels of Polybrominated Diphenyl Ethers in tree bark from Beijing, China. Jicheng Hu, Jun Jin, Congqiao Yang, Ying Wang. Organohalogen Compounds 2009; 71: 430-433.

Human Exposure to polybrominated diphenyl ethers at production area, China. Jun Jin, Ying Wang, Congqiao Yang, Jicheng Hu, Weizhi Liu, Jian Cui.

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