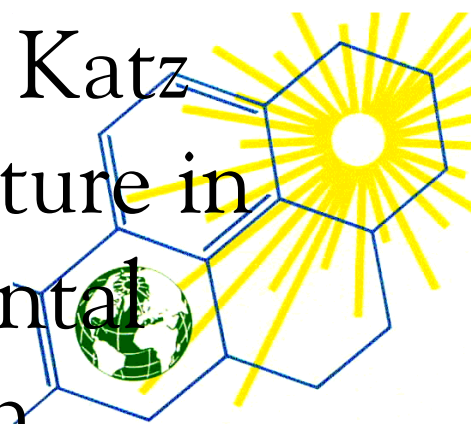


2004 Morris Katz
Memorial Lecture in
Environmental
Research



Professor Nigel J. Bunce
Professor of Chemistry and Toxicology
University of Guelph

Environmental chemistry and toxicology of
halogenated aromatic compounds

Friday, June 11, 2004
1:30 p.m.

York University
Senate Chamber, N940 Ross Bldg.
4700 Keele Street, Toronto

Centre for Atmospheric Chemistry

Abstract

Halogenated aromatic compounds (HAHs) include families of environmental significance such as the polychlorinated dibenzo-p-dioxins (PCDDs), furans (PCDFs), and biphenyls (PCBs), as well as the more recently studied polybrominated diphenyl esters (PBDEs). This talk will cover the following related topics:

- The origin of these various classes of HAHs in the environment;
- Aspects of their environmental toxicology;
- Toxicological interactions between HAHs in the context of the aryl hydrocarbon (Ah) receptor mediated mechanism of signal transduction.

Biological Sketch

Nigel J. Bunce is Professor of Chemistry and Toxicology at the University of Guelph, where he has been a faculty member since 1969. Originally trained as a mechanistic organic photochemist, his interests over the years have centered around environmental chemistry, environment toxicology, and currently, the use of electrochemical methods for the treatment of recalcitrant wastes: those that are either toxic or unreactive in conventional bioreactors.

In the 1990's, Dr. Bunce represented the University of Guelph on the university-industry consortium, the Institute of Chemical Science and Technology, and its successor organization the Environmental Science and Technology Alliance of Canada, for which he served as chair of the Environmental Quality Technical Committee. From 1989 to 2002, he was Coordinator of the interdepartmental program in Toxicology at the University of Guelph, during which time Co-operative Education programs in Toxicology were introduced, as well as a formal graduate program in toxicology.

Nigel Bunce served for many years on the editorial board of "Crucible", the magazine of the Science Teachers Association of Ontario, and is currently on the editorial board of "Environmental Toxicology".

The Lectureship Fund

The Morris Katz Lectureship was made possible by the establishment of an Endowment Fund created through contributions from his family, his friends, his colleagues, private companies, universities and government. It is intended that this lectureship become self sustaining. Major contributions in support of this year's lecture have been made by:

The Centre for Atmospheric Chemistry
and
The Ontario Ministry of the Environment

If you share in Morris Katz' enthusiasm and commitment to having a cleaner environment, please make a contribution to support this ongoing educational activity. Send your contribution in care of: The Morris Katz Memorial Lectureship, Centre for Atmospheric Chemistry, York University, 4700 Keele Street, Toronto, Ontario, M3J 1P3 Canada.

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