

Dioxin 2018 Session

Fate and Behavior of Volatile Methylsiloxanes in the Environment

**PLEASE SHARE THIS INVITATION
WITH YOUR COLEGUES and STUDENTS!**

Dear Colleague,

You are invited to submit an Abstract to the **Dioxin 2018** Symposium Session on **Fate and Behavior of Volatile Methylsiloxanes in the Environment** to be held in Kraków, Poland, 26-31 August 2018. Each registered author can submit and present up to two abstracts. Abstracts by students (for oral or poster presentation) can be accepted also for the Pre-Dioxin Students Session to be held on August 25.

Volatile methylsiloxanes (VMS, cyclic and linear) have been widely used in personal care products, in the production of silicone polymer, and in a range of industrial applications. However, certain VMS oligomers (i.e., octamethylcyclotetrasiloxane (D4), decamethylcyclopentasiloxane (D5), and dodecamethylcyclohexasiloxane (D6)) have been under heavy environmental scrutiny as these large production chemicals have been classified as persistent, bioaccumulative, and potentially toxic under international regulatory criteria. These cyclic oligomers have been reported to occur in various environmental compartments including atmosphere, surface water, sediment, and biota in close proximity to emission sources and remote regions. However, there is still much debate on whether these chemicals pose a risk to environmental health. In addition, there are still knowledge gaps surrounding VMS transport, environmental partitioning and fate within impacted environments and how these are affected under different environmental conditions. To answer these knowledge gaps, not only are robust analytical methodologies with well-organized QA/QC protocol required to deliver accurate data, but adaption and application of modeling tools are need to gather further insight into mechanisms driving VMS portioning behavior and overall environmental fate. This special session welcomes abstracts that will highlight recent developments in analytical methodology and modeling to gain further insight into environmental exposure, transport fate of VMS.

Presentation addressing source identification, spatial and temporal patterns, toxicity, and identification of new siloxane substances in the environment are also welcome.

The oral presentation is to be 20 minutes in length (including questions). Ideally, all submissions are to be a one page abstract or a four page short paper (see the guidelines established by the meeting organizers). A one page abstract should have up to 600 words. A short paper consists ~4 pages (see the guidelines established by the meeting organizers), and will be published on a USB stick and can be accepted and published in the 2018 volume of the Organohalogen Compounds journal (http://dioxin20xx.org/ohc_database_search.htm).

The Pre-Dioxin 2018 Symposium Students Session "All POPs and Pseudo-POPs" will be held will be held at the session venue located very close to the Old Downtown Kraków area. This is a session for students by students and only student presentations are accepted. Depending on the number of participants, one submission per registered student is permitted at this time. In addition to the standard 20-minute oral presentations (including time for questions) and poster presentations, there exists the possibility of presenting a short (5 min) poster highlight session in addition to a poster presentation. These short oral presentations will give young researchers the opportunity to present

their work and initial results and will give an opportunity to receive constructive feedback. Awards for the best student presentation (oral or poster) will be granted to students for outstanding presentations at the Students Symposium.

Students applying for a Otto Hutzinger Award must submit a four pages short paper. Students attending the Pre-Symposium Students Sessions, only the one-page abstract is required.

We welcome Abstracts that highlight new findings on human and wildlife exposure; suspected and known sources, environmental fate and exposure pathways, body burdens and patterns (isomer specific), spatial and temporal trends, and health effects.

Kindly let us know in advance if you plan to submit an Abstract for consideration as an ORAL presentation.

NOTE: Participation in the Students Session is free of charge for student presenters who are registered for the Dioxin 2018 Symposium, and have paid applicable registration fees. Other student attendants – please see for details at <http://dioxin2018.org/>.

Dioxin 2018 Abstract Submission – Deadline for an abstract submission is May 11, 2018. Your abstract can be considered as accepted unless you receive a notice of rejection.

We look forward to hearing from you -- and hope to see you at Dioxin 2018 in Kraków.

Chairs

Yuichi Horii¹ and **Nicholas Warner²**

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