



## Abstract Details

[AOGS 1st Annual Meeting](#) > [Ocean and Atmospheres](#) > **Hydrogen Peroxide and Methyl Hydroperoxide at Yanji, China During Winter** >

**Corresponding Author :** Prof. Meehye Lee ([meehye@korea.ac.kr](mailto:meehye@korea.ac.kr))

**Organization:** Korea University

**Category:** Ocean and Atmospheres

**Paper ID:** 57-OOA-A1634

**Title:** Hydrogen Peroxide and Methyl Hydroperoxide at Yanji, China During Winter

**Abstract:** Hydrogen peroxide and methyl hydroperoxide play an important role in odd-hydrogen and odd-oxygen chemistry in the troposphere. These species are often referred as an indicator of oxidizing capacity of the troposphere. To investigate the air chemistry of Yanji, which is located in the northeastern part of China, hydrogen peroxide and methyl hydroperoxide were measured during February, 2004 along with O<sub>3</sub>, NO<sub>x</sub>, CO, SO<sub>2</sub>, aldehyde, and aerosol composition. Hydrogen peroxide showed diurnal variations with a sharp maximum around noon, in which the concentration reached 5 ppbv. In general, the distribution of hydrogen peroxide was quite similar to that of CO and SO<sub>2</sub>. The detailed discussion about results will be presented in the meeting.

**Presentation Mode:** Poster

**Keywords:** hydrogen peroxide, methyl hydroperoxide, ozone, measurement, Yanji, China

**Status:** Pending.

### Co-Authors

No.	Title	First Name	Family Name	Organization
1	Ms.	Joo-Ae	Kim	Korea University
2	Prof.	Gangwoong	Lee	Hankuk University of Foreign Studies
3	Prof.	Kyung-Ryul	Kim	Seoul National University
4	Prof.	Meehye	Lee	Korea University

