Announced by Pro. O Seiyo_Lab

埼玉大学理工学研究科・王青躍研究室国際セミナー

International Seminar of

Pollen Allergy and Air Pollution

14:00~17:00, July 26 (Fri.), 2019

Venue: Classroom No.56, Lecture Building, Faculty of Engineering, Saitama University

日時：令和元年7月26日（金）2019 14時～17時

場所：埼玉大学 工学部講義棟 4階 56番教室

講演者 Lectured by

Professor Lyu Senlin

Cellular toxicity caused by ambient ultrafine particles and engineered metal oxide nanoparticles

大気中超微粒子および人工金属酸化物ナノ粒子に起因する細胞毒性

Professor Zhang Wei

Studies on the role of autophagy in pollen allergy

花粉症におけるオートファジーの役割に関する研究

Dr. Zhou Shumin

Biological view on air pollution and pollen Allergy

大気汚染と花粉に関する生物学な見解

主催側

International Graduate Program on Green and Sustainable Chemical Technologies

Graduate School of Science and Engineering, Saitama University

Professor O Seiyo（Wang Qingyue）

http://oseiyo-research.sub.jp

E-mail: seiyo@mail.saitama-u.ac.jp

Outline of the Lectures

Abstract Oxidative damage caused by ambient ultrafine particles and engineering metaloxide nanoparticle is different, ambient particles is more toxic.

Keywords Ultrafine particles, engineered nano particles, oxidative stress.

Abstract Autophagy can help scavenger ROS, thence alleviating inflammatory effects triggered by subpollen particles(SPPs).

Keywords Autophagy, ROS, SPPs.

Abstract O_3, NO_2 and PM in polluted air coordinate with pollen allergens via distinct biochemical pathways, resulting in significantly aggravated allergic symptoms.

Keywords O_3, NO_2, pollen allergen