
[ThA2] Plasma-based Decontamination and Sterilization

Date / Time August 5 (Thu.), 2021 / 10:40-12:00**Channel** Channel A**Session Chair** Prof. Ihn Han (Kwangwoon Univ., Korea)

ThA2-1**10:40-11:05****[Invited]****Plasma Applications for the Filtration and Sterilization of Bioaerosols**Seunghun Lee¹, Joo-Young Park¹, Sang-Jin Kim¹, Ki-Ho Baek¹, Do-Geun Kim¹, Sungweon Ryoo², and Sanggu Lee³¹Korea Inst. of Materials Science, Korea, ²Masan Nat'l Tuberculosis Hospital, Korea, ³Korea Conformity Laboratories, Korea**ThA2-2****11:05-11:30****[Invited]****Compact Atmospheric Plasma Sterilization Device for Contact Lenses**Takehiko Sato¹, Kazuki Okazaki¹, Hideto Kamiyama¹, Koki Oikawa¹, Kairi Muramatsu¹, Tomoki Nakajima¹, Shigeru Fujimura², Toshikatsu Nagasawa³, and Tatsuyuki Nakatani⁴¹Tohoku Univ., Japan, ²Tohoku Medical and Pharmaceutical Univ., Japan, ³Hirayama Manufacturing Corp., Japan, ⁴Okayama Univ. of Science, Japan**ThA2-3****11:30-11:45****UV-photolysis and Numerical Simulation for O₃ Gas Emitted from Non-thermal Atmospheric Pressure Biocompatible Plasma Sterilizer**Jang Sick Park, Se Hoon Ki, Do Young Kim, Young Oh Shin, and Eun Ha Choi
Kwangwoon Univ., Korea**ThA2-4****11:45-12:00****The Mechanism of MRSA Inactivation by Surface Air Discharge**Dingxin Liu¹, Li Guo¹, Weitao Wang¹, Zifeng Wang¹, and Michael G Kong^{1,2}¹Xi'an Jiaotong Univ., China, ²Old Dominion Univ., USA