Prof. Masafumi Ito

Meijo University, Japan

Education

1986. 03	B. Eng. from Faculty of Engineering, Nagoya University
1988.03	M. Eng. from Graduate School of Engineering, Nagoya University
1992.03	Dr. Eng. from Graduate School of Engineering, Nagoya University

Professional Background

1991.04-1999.03	Research Associate and Assistant Professor of Nagoya University
1999.04-2003.09	Associate Professor of Faculty of Systems Eng., Wakayama University
2003.10-2009.03	Professor of Faculty of Systems Eng., Wakayama University
2009.04- present	Professor of Faculty of Science and Technology, Meijo University
2014.04-2019.03	Director of Research Center for Plasma-Bio Science and Technology Publications, Meijo University
2019.04-present	Director of Research Center for Plasma-Bio Applications, Meijo University

Main Publications

1. N. Iwata, V. Gamaleev, H. Hashizume, J.-S. Oh, T. Ohta, K. Ishikawa, M. Hori, M. Ito, Simultaneous achievement of antimicrobial property and plant growth promotion using plasma-activated benzoic compound solution, PLASMA PROCESSES AND POLYMERS, Vol.16, e1900023 (2019). DOI: 10.1002/ppap.201900023.

2. M. Ito, J.-S. Oh, T. Ohta, M. Shiratani, M. Hori, Current status and future prospects of agricultural applications using atmospheric-pressure plasma technologies, Plasma Process Polym. 2018;15:e1700073, DOI: 10.1002/ppap.201700073 (2017).

3. H. Hashizume, T. Ohta, K. Takeda, K. Ishikawa, M. Hori, M. Ito, Oxidation mechanism of Penicillium digitatum spores through neutral oxygen radicals, Japanese Journal of Applied Physics 53, 010209 (2014). Selected as a spot-light paper.

4.H. Hashizume, T. Ohta, F. Jia, K. Takeda, K. Ishikawa, M. Hori, M. Ito: "Inactivation effects of neutral reactive-oxygen species on Penicillium digitatum spores using non-equilibrium atmospheric-pressure oxygen radical source", Applied Physics Letters, 153708-1-4 (2013).

5. M. Ito and T. Ohta, M. Hori: “Plasma Agriculture”, Journal of the Korean Physical Society, Vol. 60, No. 6, DOI: 10.3938/jkps.60.937 pp. 937-943 (2012).