
[WeB1] Plasma Agricultural Applications

Date / Time August 4 (Wed.), 2021 / 09:00-09:55**Channel** Channel B**Session Chair** Prof. Alexander Fridman (Drexel Univ., USA)

WeB1-1**09:00-09:25****[Invited]****Plasma Mediated Activation of Microbial Cell Differentiation**

Mayura Veerana, Nan-Nan Yu, Wirinthip Ketya, Sarmistha Mitra, Eun Ha Choi, and Gyungsoon Park
Kwangwoon Univ., Korea

WeB1-3**09:25-09:40****Dynamical Changes in Free-radical Signals of Seeds during Water Imbibition and Seed Germination: Analysis of Plasma-Irradiation Effects Using an Electron Spin Resonance (ESR) Technique**

Kenji Ishikawa¹, Ryo Arita¹, Takamasa Okumura¹, Pankaj Attri¹, Kazunori Koga^{1,3}, Ryoya Sato¹, Hayate Tanaka¹, Masaya Hiromatsu¹, Kayo Matsuo¹, Daisuke Yamashita¹, Kunihiro Kamataki¹, Naho Itagaki¹, Masaru Hori², and Masaharu Shiratani¹
¹Kyushu Univ., Japan, ²Nagoya Univ., Japan, ³Nat'l Inst. of Natural Sciences, Japan

WeB1-5**09:40-09:55****Efficacy for Rice Plant Growth with Plasma Irradiation to Seeds**

Hiroshi Hashizume¹, Hidemi Kitano¹, Hiroko Mizuno³, Akiko Abe¹, Genki Yuasa⁴, Satoe Tohno⁴, Hiromasa Tanaka², Kenji Ishikawa, Shogo Matsumoto¹, Hitoshi Sakakibara¹, Susumu Nikawa¹, Masayoshi Maeshima¹, Masaaki Mizuno¹, and Masaru Hori¹
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