

## A2 [Plasma Life Science]

A2-1-I1 Kazunori Koga	Kyushu University	Transport of reactive species generated by nonthermal plasma through rice seed husk
A2-1-I2 Henrike Brust	Leibniz Institute for Plasma Science and Technology (INP)	Application of cold plasma for seed treatments - short- and long-term effects and capacity for inactivation of microorganisms
A2-1-I3 Kazuo Tsugane	National Institute for Basic Biology	Investigating the activation of transposons in rice seeds treated with cold plasma
A2-1-I4 Sureeporn Sarapirom	Maejo University	Unleashing the Pharmaceutical Potential and Maximizing Yield of Ilex Rotunda with Plasma-Activated Water in Hydroponics
A2-1-I5 Hiroshi Hashizume	Nagoya Univ.	Effectiveness of cold plasma for rice cultivation at various growth stages
A2-1-O1 Sushma Jangra	Indian Institute of Technology Jodhpur	Optimization of Cold Atmospheric Pressure Plasma for Enhanced Nitrogen Species Generation in Soil to Improve Fertility and Wheat Crop Yield
A2-2-I1 Eric ROBERT	GREMI, CNRS/University of Orleans	Cross talk between plasma jets and targets for life science applications
A2-2-I2 KOICHI TAKAKI	Iwate University	Function of high-voltage stimulation on fruiting body formation of Basidiomycota
A2-2-I3 Rasa Zukiene	Vytautas Magnus University	Phytohormone response to cold plasma in seeds, leaves, and flowers
A2-2-I4 Takamasa Okumura	Kyushu University	Cutting-edge research into induction of plant responses by irradiation of atmospheric pressure plasma
A2-2-I5 Mahesha Manjunatha Poojary	University of Copenhagen	Application of plasma technology in grain treatments for studying the effects of their oxidation (tentative title and topic)
A1-2-I8 Yoko Otsubo	The University of Tokyo	Molecular mechanisms underlying cellular responses to plasma irradiation in fission yeast
A2-3-I1 Hiroshi Ehara	Nagoya University	Phenotypic changes induced by the application of low-temperature plasma treatments in various crop species
A2-3-I2 Yoshihisa Ikeda	Ehime University	Plasma Specialization for Molecular introduction into Plant calls
A2-3-I3 Kazuya Ishikawa	Ritsumeikan University	Elucidation of adaptation mechanism of rice to environmental stress through cold plasma treatment
A2-3-I4 Muhammad Shafiq	University of Peshawar	PRESERVATION OF FRUITS AND VEGETABLES USING INHOUSE PLASMA OZONE GENERATOR
A2-3-I5 Tomonori SUDO	Ritsumeikan Asia Pacific University	Expectations for Plasma Agri to achieve Sustainable Development
A2-3-O1 Ritesh Mishra	Indian Institute of Technology Jodhpur	Cold Plasma-Assisted Pectin Extraction from Dragon Fruit Peels: A Novel Approach to Enhance Film Mechanical Properties
A2-3-O2 Ahmed Khacef	GREMI, CNRS-Université de Orléans	Cold Plasma Technology for the Prevention of Postharvest Grain Losses
A2-4-I1 Stephan Reuter	Plasma Physics and Spectroscopy Lab, Polytechnique Montreal	Applications of atmospheric pressure plasmas in hydroponics (tentative title and topic)
A2-4-I2 Nobuyuki Uozumi	Tohoku University	Nitrogen gas fertilization via plasma technology to promote plant growth
A2-4-I3 Rajesh Prakash Guragain	Sagarmatha College of Science and Technology	Enhancement of Seed Germination and Growth through Non-Thermal Plasma Treatment: A Sustainable Approach for Agriculture
A2-4-I4 Shoko Tsuboyama	Tokyo University of Science	Immediate Responses and Growth Enhancement Triggered by Cold Plasma Irradiation in the Model Plant Marchantia polymorpha
A2-4-I5 Yuki Yanagawa	Chiba University	Atmospheric-pressure plasma promoted germination and growth in Sorghum bicolor
A2-4-O1 Santosh Dhungana	Tribhuvan University	Plasma-activated water (PAW) from a customized power system: generation, analysis, and plant growth enhancement
A2-4-O2 Quoc An Ha Than	Institute of Advanced Technology, Vietnam Academy of Science and Technology	The Impact of Plasma Activated Seawater on Postharvest Sea Grapes Caulerpa lentillifera
A2-5-I1 Katsuhisa Kitano	Osaka University	Identification of key chemical species in plasma-treated water for effective and safe disinfection
A2-5-I2 Miran MOZETIC	Jozef Stefan Institute	Cold plasma within a stable supercavitation bubble - a breakthrough technology for efficient inactivation of viruses in water
A2-5-I3 Samira tajiknezhad	Gonbad Kavous University	Effects of corona discharge plasma on the disinfection of Whey
A2-5-I4 Michihiko Nakano	Kyushu University	Novel biological indicator using DNA-labeled microbeads for evaluating nonthermal plasma sterilization
A2-5-I5 Nagendra Kumar Kaushik	Kwangwoon University	Plasma-Generated Nitric Oxide Water for Biological Applications: Infection Control and Cosmetic Innovations
A2-5-O1 Raju Bhai Tyata	Khwopa College of Engineering	Electrical and Optical Characterization of Dielectric Barrier Discharge and its Application in Water Treatment
A2-5-O2 Otamurot Rajabov	Arifov Institute of Ion-Plasma and Laser Technologies	Atomistic modeling of cold atmospheric plasma effects on antibiotic removal from wastewater: A case study with amoxicillin
A2-6-I1 Alexander Fridman	Drexel University, Nyheim Plasma Institute	Non-Thermal Plasma in Liquids: from Chemical and Biological Water Cleaning to Synthesis of New Materials in Liquid Nitrogen
A2-6-I2 Hiromasa Tanaka	Nagoya University	Unraveling the Biological Effects of Plasma-Activated Solutions: From Basic Science to Applications
A2-6-I3 Romolo Laurita	Alma University of Bologna	Production and chemical composition of Plasma Activated Water (PAW) used for pathogen treatment in food products and packaging
A2-6-I4 Ruonan Ma	Zhengzhou University	Plasma-activated water as potential green adjuvant to enhance the insecticidal activity of pesticides against cotton aphids
A2-6-I5 Yuzuru Ikehara	Chiba University	Plasma application will open the research to analyze life activity directly observed using an optical microscope by electron microscope.
A2-6-O1 Duc Ba Nguyen	Duy Tan University	Role of liquid dielectric and its application for developing a dielectric barrier discharge configuration for cold plasma jet generation
A2-6-O2 Alam Md Jahangir	Shizuoka University	Drug Delivery in Brain Endothelial Cells by Cold Atmospheric Microplasma
A2-7-I1 Seong Ling Yap	Universiti Malaya	Scalable and Gas-Free Plasma Systems for Extreme Biofilm Eradication
A2-7-I2 Shinya Kumagai	Meijo University	A micro perfusion system for promoted cell growth using plasma exposure through micro air-liquid interface
A2-7-I3 Ram Prakash	Indian Institute of Technology Jodhpur	Non-equilibrium Cold Plasma Technologies for Health and Environmental Applications
A2-7-I4 Dheerawan Boonyawan	Chiang Mai University	Phenotypic Traits (skin discoloration) in the Nile Tilapia (Oreochromis niloticus): Air Plasma-Exposed Media on Hatching Stage Study
A2-7-O1 Jaroslav Kristof	Shizuoka University	Reactive oxygen species influence on plasma-treated HL-60 cells
A2-7-O2 Hirofumi Kurita	Toyohashi University of Technology	Enhancement of cell death by combination of cold atmospheric plasma irradiation and pulsed electric field application
A2-7-O3 Masafumi Jinno	Ehime University	Electrical Equivalent Circuit Network-Based Study of Programmed Cell Death Induced by Plasma-Injected Electric Energy
A2-7-O4 Bhargavi Sharma	Delhi Technological University	Dielectric Modulated Triple Metal- Plasma Assisted - Carbon Nanotube Field Effect Transistor (TM-PA-CNTFET) Biosensor for Detection of Various Biomolecules
A2-8-I1 Hideo Fukuhara	Kochi University	Immune response induced by atmospheric pressure low-temperature plasma for bladder cancer
A2-8-I2 Jamoliddin Razzokov	National Research University	Cold Atmospheric Plasma as a Modulator of Immune Checkpoints: Targeting PD-1 and PD-L1/PD-L2 interaction via Molecular Dynamics
A2-8-I3 Hamid Hosano	Kumamoto University	Drug/gene delivery by pulsed power: From pulse electric fields (PEFs) to pulse laser breakdowns
A2-8-I4 Zhitong Chen	Shenzhen Institute of Advanced Technology, CAS	Plasma delivery systems for cancer treatment
A2-8-I5 HAJIME SAKAKITA	Meijo University	International Standard for Commercialization as Regulatory Science
A2-8-O1 Jalaj Jain	Comisión Chilena de Energia Nuclear	Ultra high-dose rate X-ray pulses emitted from a kilojoule plasma focus device induce larger cancer cell deaths than the conventional X-ray irradiation: Preliminary single dose and fractionation studies