

ISPC 24

24TH INTERNATIONAL SYMPOSIUM ON PLASMA CHEMISTRY
NAPLES (ITALY) JUNE 9-14, 2019

POSTER SESSION 2: June 11, 2019

Topic 1: Fundamentals, diagnostics and modelling in plasma chemistry (From ID-322 to ID-619)

P2-1 ID-322	<i>Time-evolution of the CO₂ conversion studied by in situ FTIR absorption and isotopic exchange</i> <u>Ana Sofia Morillo-Candas</u> , Bart.L.M. Klarenaar, Tiago Silva, Richard Engeln, Vasco Guerra, Olivier Guaitella
P2-2 ID-323	<i>Kinetic Modelling for a CO₂-H₂O-Plasma: a Vibrational Kinetics Study</i> <u>Claudia Verheyen</u> , Tiago Silva, Vasco Guerra, Annemie Bogaerts
P2-3 ID-327	<i>Self-consistent simulation of microwave assisted hydrogen methane plasmas</i> <u>Khaled Hassouni</u> , Swaminathan Prasanna, Armelle Michau
P2-4 ID-348	<i>Mass spectrometry of excited species produced in an atmospheric pressure plasma</i> <u>Laura Chauvet</u> , Christoph Stewig, Theresa Urbanietz, Achim von Keudell
P2-5 ID-353	<i>Stoichiometric projection methods for plasma simulations</i> <u>Chris Schoutrop</u> , Jan ten Thije Boonkkamp, Wouter Graef, Jan van Dijk
P2-6 ID-364	<i>Analyzing plasma-chemical processes in RF-excited atmospheric pressure plasmas using VUV and visible optical emission spectroscopy</i> <u>Golda Judith</u> , Setaro Carmelo, Severing Fenja, Benedikt Jan
P2-7 ID-392	<i>Oxygen 3P atom and O- ion density and atomic temperature in O₂ DC discharge obtained by Cavity Ringdown spectroscopy</i> <u>Abhyuday Chatterjee</u> , Jean-Paul Booth, Olivier Guaitella, Cyril Drag, Katherine Manfred, Grant Ritchie
P2-8 ID-407	<i>Spectral predictions for diagnostics</i> <u>Jesper Janssen</u> , Diana Mihailova, Wouter Graef, Jan van Dijk
P2-9 ID-413	<i>Ion chemistry in N₂-H₂ and N₂-CH₄ plasmas representative of Titan's ionosphere</i> <u>Audrey CHATAIN</u> , Olivier GUAITELLA, Nathalie CARRASCO, Lora JOVANOVIC

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P2-10 ID-414	<i>Coupled Plasma-Electrode Simulation of the Free-Burning Arc using a Chemical and Thermal Non-Equilibrium Model</i> <u>Juan Pablo Trelles</u> , Peng Liang, Valentin D. Boutrouche
P2-11 ID-417	<i>Disintegration of carbon dioxide in a microwave plasma torch sustained by gyrotron radiation at a frequency of 24 GHz at atmospheric pressure</i> <u>Dmitry Mansfeld</u> , Alexander Vodopyanov, Sergey Sintsov
P2-12 ID-419	<i>Advanced Diagnostics of Atmospheric-pressure Micro-discharge and Effect of Admixed Water Vapour on Its Physicochemical Property</i> <u>Qing Xiong</u> , Lin Xiong, Zhan Shu, Songbin Liang, Wanliang Li, Jinqi Wang, Pengfei Liu, Qinghua Huang
P2-13 ID-432	<i>Reactions of singlet oxygen molecules in water irradiated by atmospheric-pressure plasmas</i> <u>Kazumasa Ikuse</u> , Satoshi Hamaguchi
P2-14 ID-445	<i>Formation of O and OH in atmospheric pressure He-air plasma jet</i> <u>Yanhui Wang</u> , Yuanyuan Jiang, Jiao Zhang, Dezhen Wang
P2-15 ID-452	<i>Characterizing streamer discharges in CO₂ and Air</i> <u>Behnaz Bagheri</u> , Jannis Teunissen, Ute Ebert
P2-16 ID-472	<i>Study on the component varying characteristics of C₅F₁₀O post-arc plasma</i> <u>Yuwei Fu</u>
P2-17 ID-475	<i>Formation of O and OH in atmospheric pressure He-air plasma jet</i> <u>Yanhui Wang</u> , JIAO ZHANG
P2-18 ID-505	<i>Numerical study on the Influences of Magnetic Field on the Discharge Characteristics in Hall Thruster Channel</i> <u>Ping Duan</u>
P2-19 ID-530	<i>Measurement of OH kinetics in the post-discharge of an NRP discharge</i> <u>Giorgio Dilecce</u> , Luca Matteo Martini, Paolo Tosi
P2-20 ID-533	<i>Numerical simulation of hydrogen dissociation and recombination by gas-surface reactions in HFCVD process</i> <u>Yong Hee Lee</u> , Tae-Hee Kim, Sooseok Choi
P2-21 ID-537	<i>Investigation of emission spectrum profile of hydrogen atom in micro-hollow cathode discharge</i> <u>Keigo Takeda</u> , Sho Shimizu, Seigo Takashima, Mineo Hiramatsu, Masaru Hori

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P2-22 ID-546	<i>The reaction of carbon dioxide cations (CO₂⁺) with methane (CD₄)</i> <u>Paolo Tosi</u> , Daniela Ascenzi, Claire Romanzin, Allan Lopes, Jan Zabka, Miroslav Polasek, Christopher J. Shaffer, Christian Alcaraz
P2-23 ID-547	<i>Collisional Energy Transfer LIF: Using the OH fluorescence for measuring the dissociation of CO₂ in a nanosecond pulsed discharge</i> <u>Matteo Ceppelli</u> , Paolo Tosi, Mario Scotoni, Giorgio Dilecce, Luca Matteo Martini
P2-24 ID-549	<i>Collision-radiative model for study of electron temperature in cryogenic afterglow plasma</i> <u>Marek Munzar</u>
P2-25 ID-550	<i>Two-photon excitation cross-section of Xe revisited</i> <u>Cyril Drag</u> , Jean Alkhoury, Thomas Jannaud, Florian Marmuse, Christophe Blondel
P2-26 ID-556	<i>Mathematical simulation of non-equilibrium plasma processes of a pulsed arc discharge in a chamber of a multi-chamber arrester</i> <u>Dmitrij Ivanov</u> , Vladimir Frolov, Georgiy Podporkin
P2-27 ID-562	<i>Automatic Assembling of Kinetic Reaction Schemes for Plasma Modelling Applications</i> <u>Martin Hanicinec</u> , Sebastian Mohr, Jonathan Tennyson
P2-28 ID-575	<i>Spatially-resolved electrical and optical study of Townsend Dielectric Barrier Discharges in nitrogen at atmospheric pressure</i> <u>Naomi de Mejanes</u> , Luc Stafford, Jacopo Profili, Nicolas Naudé
P2-29 ID-579	<i>Charging of mm-sized spheres on top of a surface dielectric barrier discharge</i> <u>Ainur Akildinova</u> , Luka Hansen, Tlekkabul Ramazanov, Holger Kersten
P2-30 ID-581	<i>Characteristics of plasma jet using optical emission and absorption spectroscopy technique</i> <u>Duksun Han</u>
P2-31 ID-588	<i>Electric field induced second harmonic (E-FISH) measurements with a nanosecond pulse laser</i> <u>Tom Butterworth</u> , Igor Adamovich, Thomas Orriere, David Pai, Deanna Lacoste, Min Suk Cha
P2-32 ID-600	<i>Determination of electron densities by stark broadening of hydrogen lines in an electrosurgical argon plasma</i> <u>Bastian Hillebrand</u> , Enrique Iglesias, Alexander Neugebauer, Markus Enderle, Peter Awakowicz
P2-33 ID-607	<i>Fluid modeling of electrically asymmetric capacitively coupled silane / hydrogen plasma discharges</i> <u>Tinghui Zhang</u> , Jean-Maxime Orlac'H, Vincent Giovangigli, Erik Johnson, Pere Roca i Cabarrocas, Tatiana Novikova

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P2-34 ID-611	<i>Comparison of 1D and global plasma models in a radio-frequency atmospheric pressure plasma jet</i> <u>George Kokkoris</u> , Sotirios Mouchtouris, Dimitrios Politakis, Kimonas Kontosis
P2-35 ID-612	<i>A modeling framework for profile evolution during etching of rough polymeric surfaces with low pressure oxygen plasma</i> <u>George Kokkoris</u> , George Memos, Elefterios Lidorikis
P2-36 ID-616	<i>NO production in the COST Reference Microplasma Jet and a dielectric barrier discharge measured by means of Laser Induced Fluorescence (LIF)</i> <u>Patrick Preissing</u> , Friederike Kogelheide, Volker Schulz-von der gathen
P2-37 ID-619	<i>Local characterization of homogeneous dielectric barrier discharges in presence of hexamethyldisiloxane and nitrous oxide used for plasma deposition</i> <u>Stafford Luc</u> , Guemmache Karim, Profili Jacopo, Naudé Nicolas, Maechler Louison
Topic 2: Plasma sources design and characterization	
P2-38 ID-51	<i>Enhanced Carbon Dioxide Conversion by Atmospheric Pressure Microwave Plasma - Solar Processing</i> <u>Juan Pablo Trelles</u> , Sina Mohsenian, Dassou Nagassou, Saroj Bhatta, Rasool Elahi
P2-39 ID-67	<i>Electron impact excitation behaviour in pulse-modulated radio frequency Ar/O₂ inductively coupled plasma</i> <u>Fei Gao</u>
P2-40 ID-73	<i>Physical basis and actual applications of a new form of high-power microwave discharge in high-pressure gases</i> <u>Igor Kosy</u> , Konstantin Artem'ev, Natalya Berezhetskaya, Valentin Borzosekov
P2-41 ID-80	<i>Temperature determination in a MW plasma torch and on a deposition target by modelling and experiment</i> <u>Margarita Baeva</u> , Frank Hempel, Ralf Methling, Tom Trautvetter, Hardy Baierl, Detlef Loffhagen, Rüdiger Foest
P2-42 ID-98	<i>Resonant network antennas for plasma applications in industry</i> <u>Ivo Furno</u> , Agnello Riccardo, Guitienne Philippe, Howling Alan, Jacquier Remy, Plyushchev Gennady, von Roh Philipp Rudolf
P2-43 ID-134	<i>Plasma Candle: A new type of plasma-jet</i> <u>Hyun-Ha Kim</u> , Yoshiyuki Teramoto, Nozomi Takeuchi, Atsushi Ogata
P2-44 ID-144	<i>Discharge development in the initial operation phase of a metal-based micro plasma array discharge</i> <u>Volker Schulz-von der Gathen</u> , Sebastian Dzikowski, Judith Golda, Markus Siffert, Böke Marc

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P2-45 ID-152	<i>Novel non-equilibrium plasma source: Propeller Arc</i> <u>Xuekai Pei</u> , Dogan Gidon, David Graves
P2-46 ID-174	<i>Power supplies for non-thermal atmospheric pressure plasma</i> <u>Alexander Gutsol</u> , Yuriy Mirochnik, Volodymyr Tymoshuk
P2-47 ID-215	<i>Non-equilibrium atmospheric pressure discharge, sustained by focused CW gyrotron radiation with a frequency of 24 GHz</i> <u>Sergey Sintsov</u> , Alexander Vodopyanov, Dmitry Mansfeld, Mikhail Viktorov
P2-48 ID-270	<i>Compact surface DBD reactor with stacked electrodes for efficient and controlled generation of ozone</i> <u>Vaclav Prukner</u> , Petr Hoffer, Milan Simek
P2-49 ID-276	<i>Forevacuum plasma electron source for the generation of beam-plasma and beam-plasma discharge</i> <u>Aleksandr Klimov</u> , Aleksey Zenin, Efim Oks
P2-50 ID-309	<i>Characterization of helium plasma jet at atmospheric pressure touching water, metal and dielectric surface</i> <u>Julien Cosimi</u> , Frédéric Marchal, Nofel Marbahi
P2-51 ID-354	<i>Features of the atmospheric pressure CW discharge, sustained by the 263 GHz gyrotron radiation</i> <u>Alexander Vodopyanov</u> , Sergey Sintsov, Alexander Sidorov, Mikhail Viktorov, Dmitry Mansfeld, Mikhail Morozkin, Andrey Fokin, Mikhail Glyavin
P2-52 ID-378	<i>Study of axial structure of low-pressure glow discharge in carbon dioxide by optical emission spectroscopy</i> <u>Polina Ogloblina</u> , Valeriy Lisovskiy, Stanislav Dudin, Hennady Krol, Ruslan Osmayev
P2-53 ID-422	<i>Optical Probe for the Real Time and Vectorial Analysis of the Electric Field Induced by Ionized Gases</i> <u>Gwenael GABORIT</u> , ALJAMMAL Farah, REVILLOD Guillaume, ISENI Sylvain, DUVILLARET Lionel
P2-54 ID-465	<i>3D reciprocating Langmuir probe diagnostics for characteristic parameters of DC arc plasma generator in aerospace vehicles</i> <u>song chai</u>
P2-55 ID-466	<i>Experiments on discharge characteristics of DC arc plasma generator under low-pressure</i> <u>runhui wu</u>
P2-56 ID-481	<i>Preliminary Characterisation of Carbon Dioxide and Steam Microwave Plasma Torch for Gasification Applications</i> <u>Simon Vecten</u> , Amos Dexter, Alastair Martin, Nuno Bimbo, Richard Dawson, Michael Wilkinson, Ben Herbert

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2-57 ID-491	<i>Atmospheric pressure plasmas as radical sources for atmospheric chemistry investigations: measurement of Cl atom reactivity in a proxy air sample</i> <u>Joshua Boothroyd</u> , A. R. Gibson, M. D. Shaw, S. Schroter, T. Gans, T. J. Dillon
P2-58 ID-508	<i>Gliding arc discharge system integrating UV-LED</i> <u>Fumiaki Mitsugi</u> , Koki Eto, Shin-ichi Aoqui
P2-59 ID-538	<i>Non-thermal electron cyclotron resonance (ECR) air plasmas characteristics and preliminary results in tomato seeds germination</i> <u>Manon SOULIER</u> , Thomas MAHO, Cristina MUJA, Juslan LO, Philippe GUILLOT
P2-60 ID-551	<i>Optical characterization of atmospheric pressure plasma excited by surface waves</i> <u>Ludovic Sudrie</u> , Laurent Thérèse, Jaime Orejas, Philippe Guillot
P2-61 ID-560	<i>Innovative reactor for surface plasma-based water treatment</i> <u>Petr Hoffer</u> , Krzysztof Niedoba, Vít Jirásek
P2-62 ID-572	<i>Hybrid effects of discharge characteristic on DBD and AC arc jet</i> <u>Chan Mi Jung</u> , Hongjae Kang, Dae Hoon Lee
P2-63 ID-574	<i>Electrical and optical characterization of a capacitively-coupled RF plasma with a pulsed argon gas injection</i> <u>Luc Stafford</u> , Thibault Sadek, Guillaume Carnide, Myrtil Kahn, Richard Clergereaux
P2-64 ID-576	<i>Femtosecond Laser Driven Plasma for Terahertz Generation</i> <u>Gaborit Gwenael</u> , Muller Bastien, Aljammal Farah, Bernier Maxime, Herault Emilie, Coutaz Jean-Louis
P2-65 ID-587	<i>Global model of a low-frequency inductively coupled plasma in U-shaped discharge tube</i> <u>Alexander Fedoseev</u>
P2-66 ID-596	<i>Experimental and numerical study of ferromagnetic enhanced inductively coupled Cl₂/Ar plasma source</i> <u>Gennady Sukhinin</u> , Alexander Fedoseev, Mikhail Isupov, Nikon Demin, Mikhail Salnikov, Salavat Sakhapov, Vadim Pinaev
P2-67 ID-608	<i>Electrode Erosion in an Atmospheric Pressure Nanosecond-Pulsed Non-Thermal Plasma Source</i> <u>Sylvain Coulombe</u> , Kathryn Ciu Leci, Felipe Aristizabal
P2-68 ID-614	<i>Flow field and temperature distribution in an atmospheric pressure rotating gliding arc reactor</i> <u>Jennifer Martin del Campo</u> , Georgi Trenchev, Sylvain Coulombe, Annemie Bogaerts

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P2-69 ID-636	<i>Investigation on the influence of the target physical properties on an impinging plasma jets</i> Emanuele Simoncelli, Augusto Stancampiano, Marco Boselli, Vittorio Colombo Vittorio, <u>Matteo Gherardi</u> .
P2-70 ID-635	<i>A multi-jet Plasma Gun equipped with branching device for the treatment of liquids</i> <u>Alina Bisag</u> , Eric Robert, Romolo Laurita, Matteo Gherardi, Jean-Michel Pouvesle, Vittorio Colombo.
Topic 4: Plasma deposition of functional coatings and treatment of inorganic and organic materials (from ID-5 to ID-311)	
P2-71 ID-5	<i>Recombination of neutral oxygen atoms on polymer surfaces</i> <u>Alenka Vesel</u> , Rok Zaplotnik, Miran Mozetic
P2-72 ID-31	<i>Subsurface ferroelectric water provokes a controlled protein adsorption</i> <u>Ezgi Bulbul</u> , Dirk Hegemann
P2-73 ID-46	<i>Atmospheric pressure Ar plasma jet excited by high-voltage pulse source and the treatment of SMC material</i> <u>Lijun Wang</u> , Bo Niu, Jie Liu, Dingge Yang, Yashuang Zheng, Wenhui Li
P2-74 ID-49	<i>Studies of deposition of boron films by PECVD of He/o-carborane mixtures in TJ-II.</i> <u>Francisco Tabares</u> , David Tafalla
P2-75 ID-56	<i>Plasma assisted atomic layer deposition of Al₂O₃ coating phosphate-based phosphor powders for light emission diode</i> <u>Qiang Chen</u> , Zixing Zhang, Lizhen Yang, Zhengduo Wang, Haibo Zhang, Zhongwei Liu
P2-76 ID-66	<i>Plasma copolymerization of antagonist monomers, a process towards original surface properties</i> <u>Fabienne PONCIN-EPAILLARD</u> , Hien Tran, Dominique Debarnot
P2-77 ID-75	<i>Scanning Electron Microscopy Enhanced by Atmospheric Pressure Plasma</i> <u>Jan Schäfer</u> , Kerry Jayne Abrams, Jaroslav Kousal, Torsten Gerling, Nicola Stehling, Cornelia Rodenburg
P2-78 ID-81	<i>Deposition of coating containing carboxylic acid groups on polyurethane foams with DBD plasma jet</i> <u>Vincenza Armenise</u> , Fiorenza Fanelli, Francesco Fracassi

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P2-79 ID-95	<i>Pulsed RF plasma-deposited polyacetylene : elaboration of new adhesive joint</i> <u>Marisol Ji</u> , Lazhar Benyahia, Fabienne Poncin-Epaillard
P2-80 ID-136	<i>Improvement of PET surface modification using APPJ with different shielding gases</i> <u>Mehrnoush Narimisa</u> , Iuliia Onyshchenko, Rino Morent, Nathalie De Geyter
P2-81 ID-159	<i>Plasma printing of nanogold on paper substrate for surface-enhanced Raman scattering application</i> <u>Jungmi Hong</u> , Edith Chow, Fabio Isa, Dong Han Seo, Annalena Wolff, Adrian Murdock, Avi Bendavid, Zhaojun Han, Kostya (Ken) Ostrikov, Anthony B. Murphy
P2-82 ID-164	<i>Influence of the plasma chemistry and the topography for the elaboration of superhydrophobic surfaces</i> <u>Ronny ELLEB</u> , Frédéric MERMET, Thierry ENGEL, Grégoire CHABROL, Fabienne PONCIN-EPAILLARD
P2-83 ID-191	<i>Plasma-Deposited Nano-capsules Containing Coatings for Drug Delivery Applications</i> <u>Annalisa Treglia</u> , Fabio Palumbo, Pietro Favia
P2-84 ID-266	<i>Antimicrobial modification of polyethylene based on plasma assisted grafting</i> <u>Anton Popelka</u>
P2-85 ID-299	<i>Pulsed-DC reactive magnetron sputtering process for the deposition of solid oxide electrochemical cell layers</i> <u>Anne-Lise THOMANN</u> , Pierre CODDET, Martin MICKAN, Julien VULLIET, Amaël CAILLARD, Thierry SAUVAGE, Thomas LECAS
P2-86 ID-301	<i>Plasma functionalization and texturing of poly(ether ether ketone) (PEEK): correlation of the surface physicochemistry and topography on the metal-polymer adhesion</i> <u>David Gravis</u> , Fabienne Poncin-Epaillard, Wolfgang Knapp, Jean-François Coulon
P2-87 ID-311	<i>New materials equipped with functional surface features via novel composite coatings deposited using atmospheric PECVD</i> <u>Annika Herrmann</u> , Antje Dohse, Jan Köther, Yasin Ergün, Michael Thomas
Topic 7: Plasma medicine and plasma agriculture (from ID-5 to ID-311)	
P2-88 ID-16	<i>Cold atmospheric pressure plasma generated in contact with a flowing liquid cathode - a new frontier in continuous synthesis of plasma-activated liquids</i> <u>Anna Dzimitrowicz</u> , Agata Motyka-Pomagruk, Piotr Jamroz, Weronika Babinska, Dominik Terefinko, Ewa Lojkowska, Wojciech Sledz, Pawel Pohl
P2-89 ID-27	<i>Gene expression dynamics of glioblastoma cells in plasma-activated medium and plasma-activated Ringer's lactate solution</i> <u>Hiromasa Tanaka</u> , Masaaki Mizuno, Kenji Ishikawa, Makoto Sekine, Hiroki Kondo,

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	Hiroshi Hashizume, Takayoshi Tsutsumi, Kae Nakamura, Nobuhisa Yoshikawa, Hiroaki Kajiyama, Shinya Toyokuni, Fumitaka Kikkawa, Masaru Hori
P2-90 ID-61	<i>Non-Equilibrium Short-Pulsed Dielectric Barrier Discharge Treatment of Micrometer-sized Droplets for Disinfection of Fresh Produce During Transportation and Storage</i> <u>Sidney Ortiz</u> , Junchun Yang, Charles Bailey, Alexander Fridman, Christopher Sales, Jasreen Sekhon, Gregory Fridman
P2-91 ID-69	<i>Plasma activated water and airborne ultrasound treatments for enhanced germination and growth of soybean</i> <u>Chiara Lo Porto</u> , Dana Ziuzina, Agata Los, Daniela Boehm, Fabio Palumbo, Pietro Favia, Brijesh Tiwari, Paula Bourke, Patrick J. Cullen
P2-92 ID-70	<i>Cold plasma treatment to improve wild asparagus (<i>Asparagus acutifolius</i>L.) seed germination.</i> <u>Chiara Lo Porto</u> , Lucrezia Sergio, Francesca Boari, Antonio F. Logrieco, Fabio Palumbo, Pietro Favia, Vito Cantore
P2-93 ID-90	<i>Atmospheric pressure plasma as CO source for biomedical applications</i> <u>Claire Douat</u>
P2-94 ID-107	<i>Plasma agriculture: A century of progress</i> <u>David Graves</u>
P2-95 ID-150	<i>Bactericidal Activity in oxygen-radical-activated water</i> <u>Naoyuki Iwata</u> , Vladislav Gamaleev, Jun-Seok Oh, Kenji Ishikawa, Masaru Hori, Masafumi Ito
P2-96 ID-154	<i>Investigation of the plasma properties and plasma-generated reactive species using optical spectroscopy in microwave-excited atmospheric pressure Ar microplasma jets</i> <u>Tae Hun Chung</u> , Joh Hea Min
P2-97 ID-156	<i>Identifying the molecular effects of non-thermal plasma treatments on plant seed development using gene expression and gene reporters</i> <u>Alexandra Waskow</u>
P2-98 ID-163	<i>Accelerated blood coagulation through the stimulation with a plasma jet.</i> <u>Clarice Gareri</u> , Gianluca De Masi, Luigi Cordaro, Alessandro Fassina, Paola Brun, Chiara Mignogna, Laura Tammè, Claudio Iaconetti, Barbara Zaniol, Roberto Cavazzana, Emilio Martins, Matteo Zuin, Ciro Indolfi
P2-99 ID-185	<i>DBD and GlidArcs in Plasma Agriculture and Food Safety</i> <u>Gregory Fridman</u>
P2-100 ID-189	<i>Selective Destruction toward A-375 Human Melanoma Cells by Atmospheric Pressure Plasma Jet Treatments</i> <u>Saitong Muneekaew</u> , Meng-Jiy Wang

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P2-101 ID-218	<i>Effects of low temperature plasmas in ambient air on germination and plant growth of different genotypes of Arabidopsis thaliana seeds</i> <u>Maxime Bafoil</u> , Christophe Dunand, Mohammed Yousofi
P2-102 ID-241	<i>Comparative studies of atmospheric pressure Ar and He plasmas for enhancing cutaneous delivery of epidermal growth factor</i> <u>Hyunyoung Lee</u> , Jung-Hae Choi, Gyoo-Chen Kim, Hae June Lee
P2-103 ID-265	<i>Plasma-generator-supplied Nanosecond Pulsed Current Effects on Fibrosarcoma Cells</i> <u>Chia-Hsing Chang</u>
P2-104 ID-284	<i>Electrical and optical diagnostics of PCC DBD plasma source</i> <u>Luigi Cordaro</u> , Gianluca De Masi, Alessandro Fassina, Clarice Gareri, Paola Brun, Roberto Cavazzana, Daniele Desideri, Davide Mancini, Emilio Martines, Barbara Zaniol, Matteo Zuin
P2-105 ID-289	<i>Design, operation and diagnostics of PCC DBD plasma source</i> <u>Alessandro Fassina</u> , Cordaro Luigi, De Masi Gianluca, Davide Mancini, Clarice Guareri, Roberto Cavazzana, Emilio Martines, Barbara Zaniol, Bruno Laterza
P2-106 ID-304	<i>The innovation of traditional therapy: Plasma Cupping System</i> <u>Jeong-Hae Choi</u> , Hyun-Young Lee, Gyoo-Cheon Kim, Hae-June Lee, Tae-San Jeong, Jin-Woo Hong
P2-107 ID-308	<i>The curative lightening: the applications of non-thermal plasma on skin</i> <u>Gyoo-Cheon Kim</u> , Jeong-Hae Choi, Hyun-Young Lee, Hae-June Lee, Jin-Woo Hong
P2-108 ID-314	<i>The impact of air plasma jet on clinically significant consortiums of microorganisms</i> <u>Aliaksandra Kazak</u> , Andrey Kirillov, Leanid Simonchik, Olga Emel'yanova, Natalia Dudchik
P2-109 ID-316	<i>Synthesis of nitrates by atmospheric microplasma over water</i> <u>Nicolas Maira</u> , Cédric Pattyn, Antoine Remy, François Reniers
P2-110 ID-317	<i>Drug introduction into cells using direct exposure of gas-liquid interfacial plasmas</i> <u>Ryosuke Honda</u> , Shota Sasaki, Keisuke Takashima, Makoto Kanzaki, Takehiko Sato, Toshiro Kaneko
P2-111 ID-334	<i>Antibacterial efficacy and mechanisms of action of a low-power atmospheric pressure helium plasma</i> <u>Emilio Martines</u>
P2-112 ID-336	<i>Mass spectrometry-based investigations of cold atmospheric plasma-induced PTMs in model peptides</i> <u>Sebastian Wenske</u> , Jan-Wilm Lackmann, Thomas von Woedtke, Klaus-Dieter Weltmann, Kristian Wende

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P2-113 ID-360	<i>EPR-detection of reactive species formed in human tissue by electrosurgical argon plasma treatment</i> <u>Jakob Barz</u> , Martin Weiss, Raphael Utz, Michael Ackermann, Sara Brucker, Christian Oehr
P2-114 ID-393	<i>ation of atmospheric pressure plasma for processing of selected materials</i> <u>Joanna Pawlat</u>
P2-115 ID-400	<i>Surface modification of sunflower seeds by an atmospheric pressure plasma jet</i> <u>Konstantin Kostov</u> , Taiana S M Mui, Rogerio P Mota
P2-116 ID-406	<i>Effects of power transfer efficiency and grounded electrode surface on creation of O and O₂ excited species in low pressure plasmas</i> <u>Kosta Spasic</u>
P2-117 ID-431	<i>Introduction mechanism of fluorescent molecules into tobacco cells in plasma gene / molecules introduction method</i> <u>Yoshihisa Ikeda</u> , Masaaki Nishi, Souichiro Miyamoto, Yugo Kido, Susumu Satoh, Kappei Kobayashi, Masafumi Jinno
Topic 8: Plasma treatment of biomaterials	
P2-118 ID-11	<i>Plasma-induced heme damage as a cause for inactivation of horseradish peroxidase</i> <u>Yayci Abdulkadir</u> , Bandow Julia E.
P2-119 ID-24	<i>Electron Beam Plasma processing of chitosan powders and solutions: possible approaches</i> <u>Tatiana Vasilieva</u> , Michael Vasiliev, Zaw Ye Myint, Khin Maung Htay, Htet Wai Yan Kyaw
P2-120 ID-104	<i>Mechanism of Plant Growth Enhancement by Water Vapour and Hydrogen Plasmas Irradiation</i> <u>Ziyu Shi</u>
P2-121 ID-169	<i>Enhancing the mechanical performance of injection moulded parts through the use of atmospheric plasma pre-treatments</i> <u>Denis Dowling</u> , Hisham Abourayana, Peter Dobbyn
P2-122 ID-188	<i>Atmospheric Pressure Argon Plasma Jet Assisted Copolymerization of Sulfobetaine Methacrylate and Acrylic Acid for Anti-fouling Application</i> <u>Yueh-Han Huang</u> , Meng-Jiy Wang
P2-123 ID-403	<i>Surface reaction analysis of plasma-treated bio-molecules using sum frequency generation spectroscopy</i> <u>Takayuki Ohta</u> , Ryoya Katsuya, Kenji Ishikawa, Masaru Hori

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P2-124 ID-409	<i>Atmospheric plasma assisted deposition of dual antifouling and antibacterial thin films</i> <u>Maryline Moreno</u> , Urszula Czuba, Leslie Ogorzaly, Delphine Collard, Roberto Quintana, Patricia Lassaux, Christophe Detrembleur, Patrick Choquet
P2-125 ID-478	<i>Restorable Polymers Activated By Cold Plasma for Chitosan Coating Aimed for Cell Adhesion Enhancement</i> <u>Mohamed Boudifa</u> , Xavier Carette, Marie Dubus, Ophélie Riou, Rosica Mincheva, Jean-Marie Raquez, Fany Reffuveille, Halima Kerdjoudj
P2-126 ID-482	<i>Electron Beam Plasma processing of chitosan powders and solutions: possible approaches</i> <u>Zaw Ye Myint</u> , Tatiana Vasilieva, Michael Vasiliev, Khin Maung Htay, Htet Wai Yan Kyaw
P2-127 ID-498	<i>Chemical interactions during the electrospinning of binary microfibers of plasma polyaniline and polyethylene oxide</i> <u>Rosario Ramírez-segundo</u> , J. Cuauhtémoc Palacios-González, Ma. Guadalupe Olayo-González, Fernando G. Flores-Nava, Elena Colín-Orozco, Maribel González-Torres, Lidia Ma. Gómez-Jiménez, Ricardo Valdivia-Barrientos, Ma. Rosario Mejía-Cuero, Erwin A. González-Beltrán, Guillermo J. Cruz-Cruz
P2-128 ID-513	<i>Electrospun fibers of polypyrrole particles dispersed in polylactic acid</i> <u>Fernando Gabriel Flores-Nava</u> , Elena Colín-Orozco, Guillermo J. Cruz-Cruz, J. Cuauhtémoc Palacios-González, Ricardo Valdivia-Barrientos, Rosario Ramírez-Segundo, Lidia M. Gómez-Jiménez, Maribel González-Torres, Erwin A. González-Beltrán, Ma. Rosario Mejía-Cuero, Ma. Guadalupe Olayo-González
P2-129 ID-553	<i>On the tailoring of biomaterials by femtosecond pulse laser and plasma-based polymerization of functional coatings</i> <u>Marie Yang</u> , Holger Testrich, Klaus-Dieter Weltmann, Katja Fricke
P2-130 ID-605	<i>Random and aligned Polyactive® fibers subjected to pre- and post- electrospinning plasma treatments for tissue engineering applications</i> <u>Rouba Ghobeira</u> , Louis Verdonckt, Charlot Philips, Mahtab Asadian, Heidi Declercq, Nathalie De Geyter, Rino Morent