




INFORMAȚII PERSONALE



BLAJAN MARIUS GABRIEL

-  Cluj-Napoca, Romania
-  INCDTIM, int. 200
-  marius.blajan@itim-cj.ro; blajanmarius@yahoo.com

EXPERIENȚA PROFESIONALĂ

August 1999~September 2007. Electrica S.A., Cluj, Romania (Engineer)
 October 2007~March 2008. EMFESZ, Cluj, Romania (Engineer)
 April 2008~March 2022. Shizuoka University, Japan (Researcher)
 October 2012~ March 2022. Plasma Applications, Hamamatsu, Japan (Researcher)
 January 2023~ Present. INCDTIM, Cluj, Romania (Researcher)

EDUCAȚIE ȘI FORMARE

Faculty of Electrical Engineering; Technical University of Cluj-Napoca; Cluj-Napoca; Romania.
 October 1992 ~ June 1997 BSc. October 1999~June 2000 MSc.
 October 2000~October 2006 PhD.
 University of Poitiers, France.
 October 2003 ~ October 2006 PhD.
 Shizuoka University, Hamamatsu, Japan.
 April 2008 ~ March 2022 Post-Doctoral Researcher.

COMPETENTE PERSONALE

Limba maternă Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	C2	C2	C2	C2	C2
Japoneza	B2	B2	B2	B2	B1
JLPT Level N4					

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
 Cadrul european comun de referință pentru limbi străine

Permis de conducere ▪ B

INFORMATII SUPLIMENTARE

Distincții

- 1) 2019 Outstanding Reviewer Award 2019, Plasma Science and Technology, IOP Publishing/UK
- 2) 2016 James Melcher Award, IEEE/USA
- 3) 2012 Creativity and Innovation Prize Paper Award, IEEE-IAS-EP Committee/USA
- 4) 2011 Creativity and Innovation Prize Paper Award, IEEE-IAS-EP Committee/USA
- 5) 2008 TREK Award, International Symposium and Workshop on Electrostatics Naha /Japan

Publicatii si Brevete

- 1) JP6715600B2-Japan (Application granted: 2020-07-01), DE112016000670B4-Germany (Application granted: 2022-11-17), *Spark plug for an internal combustion engine*, Inventor: Akimitsu Sugiura, Masashi Kando, Jan Husarik, Martin Kral, Gabriel Marius Blajan; Current Assignee: PLASMA APPLICATIONS CO., LTD., Hamamatsu-shi, Shizuoka, JP; DENSO CORPORATION, Kariya-shi, Aichi-ken, JP.
- 2) JP7112559B1-Japan (Application granted: 2022-08-03), WO2022224703A1-World (Application: 2022-10-27), *Standing wave excitation type electromagnetic discharge lamp*, Inventor: Kando Masashi, Kral Martin, Husarik Jan, Marius Gabriel Blajan, Okajima Hiroshi, Higo Tatsuji; Current Assignee (Applicants): TOKYO KEIKI INC [JP]; PLASMA APPLICATIONS CO LTD [JP].

(1) Book Chapters

1. K. Shimizu, M. Blajan, "Actuators", edited by C. Volosencu, Chapter 1, "Dielectric Barrier Discharge Microplasma Actuator for Flow Control", pp. 3-23, Intech OpenAccess Publisher, ISBN: 978-1-78923-429-9, (Jul. 2018).
2. Kazuo Shimizu, Jaroslav Kristof and Marius Gabriel Blajan (November 5th 2018). Applications of Dielectric Barrier Discharge Microplasma, Atmospheric Pressure Plasma - from Diagnostics to Applications, Anton Nikiforov and Zhiqiang Chen, IntechOpen, DOI: 10.5772/intechopen.81425. Available from: <https://www.intechopen.com/books/atmospheric-pressure-plasma-from-diagnostics-to-applications/applications-of-dielectric-barrier-discharge-microplasma>.

(2) Journals

1. J. Kristof, R. Yokoyama, A. G. Yahaya, S. A. Rimi, M. Blajan, K. Shimizu, "Absorption of FD-150 into intestinal Cells by Microplasma," *Plasma Medicine*, 12(4):11 – 28 (2023).
2. M. G. Blajan, A. G. Yahaya, J. Kristof, T. Okuyama and K. Shimizu, "Inactivation of Staphylococcus Aureus by Microplasma," in *IEEE Transactions on Industry Applications*, vol. 59, no. 1, pp. 434-440, Jan.-Feb. 2023, doi: 10.1109/TIA.2022.3209619.
3. Y. Mizuno, A. G. Yahaya, J. Kristof, M. G. Blajan, E. Murakami, and K. Shimizu. 2022. "Ozone Catalytic Oxidation for Gaseous Dimethyl Sulfide Removal by Using Vacuum-Ultra-Violet Lamp and Impregnated Activated Carbon" *Energies* 15, no. 9: 3314. <https://doi.org/10.3390/en15093314>.
4. A. Yahaya, T. Okuyama, J. Kristof, M. Blajan, K. Shimizu, "Direct and Indirect bactericidal effect of Cold Atmospheric Pressure Microplasma and Plasma Jet", *Molecules*, 2021, 26(9), 2523, DOI: 10.3390/molecules26092523 (Apr., 2021).
5. A. Yahaya, J. Kristof, M. Blajan, F. Mustafa, K. Shimizu, "Effect of Plasma Discharge on Epidermal Layer Structure in Pig Skin", *Plasma Medicine*, Vol. 11, No. 1, pp. 1-13, DOI: 10.1615/PlasmaMed.2021036925 (Mar., 2021).
6. 清水一男, 野中大輔, クリストフ・ヤロスラフ, マリウス・ブラジャン, 「静電気力によるマイクロプラズマ電極上に堆積した微粒子除去の研究」, *室内環境学会誌*, Vol. 23, No. 2, pp. 141-150, DOI: 10.7879/siej.23.141, (Nov., 2020).

7. J. Kristof, T. Aoshima, M. Blajan, and K. Shimizu, "Effect of Microplasma Treatment on Stratum Corneum Lipid Molecule", *Jpn. J. App. Phys.*, Vol. 59, No. SHHF06, DOI: 10.35848/1347-4065/ab7ae3, (Mar., 2020).
8. M. Blajan, D. Nonaka, J. Kristof and K. Shimizu, "Study of Induced EHD Flow by Microplasma Vortex Generator", *IEEE Trans. on PS*, Vol. 47, No. 12, pp. 5345-5354, DOI: 10.1109/TPS.2019.2952166 (Dec., 2019).
9. J. Kristof, T. Aoshima, M. Blajan, and K. Shimizu, "Surface Modification of Stratum Corneum for Drug Delivery and Skin Care by Microplasma Discharge Treatment", *Plasma Science and Technology*, Vol. 21, No. 6, 064001, DOI: 10.1088/2058-6272/aafde6 (Jan., 2019).
10. K. Shimizu, Y. Kurokawa and M. Blajan, "Fundamental Study of Hexadecane Removal by Atmospheric Microplasma," in *IEEE Transactions on Industry Applications*, vol. 54, no. 1, pp. 599-604, Jan.-Feb. 2018. doi: 10.1109/TIA.2017.2758338.
11. K. Shimizu, S. Muramatsu, J. Kristof and M. Blajan, "Analysis of Hexadecane Decomposition by Atmospheric Microplasma," in *IEEE Transactions on Industry Applications*, vol. 54, no. 1, pp. 605-610, Jan.-Feb. 2018. doi: 10.1109/TIA.2017.2758341.
12. M. Blajan, A. Ito, J. Kristof, K. Shimizu (2017) Directional Flow Control with Multi-Electrode System Microplasma Actuator. *J Biomed Syst Emerg Technol* 4: 116.
13. K. Shimizu, A. Ito, M. Blajan, J. Kristof, and H. Yoneda, "Basic Study of Fine Particle Transfer Using Electrostatic Force Generated by a Microplasma Actuator Type Electrode", *International Journal of Plasma Environmental Science & Technology*, (I.J.PEST), Vol. 11, No. 1, 2017.
14. M. Blajan, Y. Mizuno, A. Ito and K. Shimizu, "Microplasma Actuator for EHD Induced Flow," in *IEEE Transactions on Industry Applications*, vol. 53, no. 3, pp. 2409-2415, May-June 2017. doi: 10.1109/TIA.2016.2645160.
15. K. Shimizu, N. Konagaya, M. Blajan, T. Onodera, and A. Konno, "Improvement of conversion efficiency of dye-sensitized solar cells by surface modification using microplasma", *International Journal of Plasma Environmental Science & Technology*, (I.J.PEST), Vol. 10, No. 3, 2017.
16. K. Shimizu, Y. Mizuno, M. Blajan, and H. Yoneda, "Characteristics of an Atmospheric Nonthermal Microplasma Actuator", *IEEE Trans. on Ind. Appl.*, Vol. 53, No. 2, (Mar., Apr., 2017).
17. K. Shimizu, A. Ito, M. Blajan, J. Kristof, and H. Yoneda "Basic study of fine particle removal using microplasma and its electrostatic effect", *Jpn. J. App. Phys.*, Vol. 56, No. 1S, 01AC03, (Jan., 2017).
18. 清水一男, 伊藤暁彦, マリウス・ガブリエル・ブラジヤン, クリストフ・ヤロスラヴ, 米田仁紀, 「静電気力によるマイクロプラズマ電極表面上の微粒子除去の研究」, *静電気学会誌*, Vol. 41, No. 1, pp. 22-26, (Jan., 2017).
19. J. Kristof, A. N. Tran, M. Blajan, and K. Shimizu, "A Study of the Influence of Plasma Particles for Transdermal Drug Delivery", *Advances in Intelligent Systems and Computing*, Vol. 519, pp. 167-173, (Sep., 2016).
20. K. Shimizu, A. N. Tran, K. Hayashida, and M. Blajan, "Comparison of atmospheric microplasma and plasma jet irradiation for increasing of skin permeability", *Journal of Physics D: Applied Physics*, Vol. 49, No. 31, 315201, (Aug., 2016).
21. K. Shimizu, An N. Tran, and M. Blajan, "Effect of microplasma irradiation on skin barrier function", *Jpn. J. App. Phys.*, Vol. 55, No. 7S2, 07LG01, (Jun., 2016).
22. K. Shimizu, Y. Kurokawa, and M. Blajan, "Basic Study of Indoor Air Quality Improvement by Atmospheric Plasma", *IEEE Trans. on Ind. Appl.*, Vol. 52, No. 2, pp. 1823-1830, (Mar.-Apr., 2016).
23. K. Shimizu, Y. Mizuno, and M. Blajan, "Basic Study on Flow Control by Using Plasma Actuator", *IEEE Transaction on Industry Applications*, Vol. 51, No. 4, pp. 3472-3478, (Jul.-Aug., 2015).
24. P. Cools, E. Sainz-García, N. D. Geyter, A. Nikiforov, M. Blajan, K. Shimizu, F. Alba-Elías, C. Leys, and R. Morent, "Influence of DBD Inlet Geometry on the Homogeneity of Plasma-Polymerized Acrylic Acid Films: The Use of a Microplasma-Electrode Inlet Configuration", *Plasma Processes and Polymers*, Vol. 12, No. 9, pp. 1153-1163, (Jun., 2015).

25. K. Shimizu, K. Hayashida, and M. Blajan, "Novel method to improve transdermal drug delivery by atmospheric microplasma irradiation", *Biointerphases*, Vol. 10, No. 2, 029517, (Jun., 2015).
26. K. Shimizu, S. Kaneta, M. Blajan, T. Onodera, and A. Konno, "Improved performance of film dye sensitized solar cell using atmospheric pressure microplasma", *International Journal of Plasma Environmental Science & Technology*, (I.J.PEST), Vol. 9, No. 1, pp. 44-50, (Apr., 2015).
27. 水野良典, M. Blajan, 米田仁紀, 清水一男, 「多電極マイクロプラズマアクチュエータによる流体の能動制御」 (Active Fluid Control by Multi-electrode Microplasma Actuator), *静電気学会誌* (J. Inst. Electrostat. Jpn), Vol. 39, No. 1, pp. 15-20, (Jan., 2015).
28. K. Shimizu, S. Kaneta, M. Blajan, K. Ogi, and A. Konno, "Surface modification of dye-sensitized solid-state solar cells by atmospheric-pressure plasma jet", *Jpn. J. App. Phys.*, Vol. 53, No. 11S, 11RF02, (Oct., 2014).
29. K. Shimizu, Y. Noma, M. Blajan, and S. Naritsuka, "Study on Surface Modification of GaN by Atmospheric Microplasma", *IEEE Trans. on Ind. Appl.*, Vol. 49, No. 5, pp. 2308-2313, (Sep.-Oct., 2013).
30. K. Shimizu, H. Fukunaga, and M. Blajan, "Biomedical applications of atmospheric microplasma", *Current Applied Physics*, Vol. 14, No. 2, S154-S161, (Jul., 2013).
31. K. Shimizu, N Masamura, and M. Blajan, "Water Purification by Using Microplasma Treatment", *J. Phys. Conf. Ser.*, Vol. 441, No. 1, 012005, (Jun., 2013).
32. M. Blajan and K. Shimizu, "Spatial and Temporal Distribution of Microplasma in Small Discharge Gaps", *IEEE Transaction on Industry Applications*, Vol. 49, No. 4, pp. 1787-1792, (Jul.-Aug., 2013).
33. M. Blajan, and K. Shimizu, "Temporal evolution of dielectric barrier discharge microplasma," *Applied Physics Letters*, Vol. 101, 104101, 2012.
34. K. Shimizu, T. Kuwabara, M. Blajan, "Study on Decomposition of Indoor Air Contaminants by Pulsed Atmospheric Microplasma," *Sensors*, Vol. 12, pp. 14525-14536, 2012.
35. K. Shimizu, H. Fukunaga, S. Tatematsu, and M. Blajan, "Atmospheric Microplasma Application for Surface Modification of Biomaterials," *Japanese Journal of Applied Physics*, Vol. 51, 11PJ01, 2012.
36. M. Blajan, and K. Shimizu, "Phenomena of Microdischarges in Microplasma," *IEEE Transactions on Plasma Science*, Vol. 40, pp. 1730 – 1732, 2012.
37. M. Blajan, and A. Umeda, K. Shimizu, "Surface Treatment of Glass by Microplasma", *IEEE Transaction on Industry Applications*, Vol. 49, No. 2, pp. 714-720, (Mar.-Apr., 2013).
38. M. Blajan, K. Shimizu, "Spatial distribution of light emission in microplasma under 100 μm gaps," *Japanese Journal of Applied Physics*, Vol. 51, 08HC03, 2012.
39. K. Shimizu, Y. Noma, M. Blajan, and S. Naritsuka, "Surface Modification of GaN Substrate by Atmospheric Pressure Microplasma," *Japanese Journal of Applied Physics*, Vol. 51, 08HB05, 2012.
40. K. Shimizu, M. Blajan, S. Tatematsu, "Basic Study of Remote Disinfection and Sterilization Effect by Using Atmospheric Microplasma," *IEEE Transaction on Industry Applications*, Vol. 48, pp. 1182 - 1188, 2012.
41. K. Shimizu, Y. Noma, M. Blajan, S. Naritsuka, "Basic Study on Surface Treatment of GaN by Pulsed Atmospheric Microplasma," *IEEE Transaction on Fundamentals and Materials*, Vol. 132, No. 3, pp. 270-271, 2012.
42. M. Blajan, A. Umeda, S. Muramatsu, K. Shimizu, "Emission spectroscopy of pulsed powered microplasma for surface treatment of PEN film," *IEEE Transaction on Industry Applications*, Vol. 47, No. 3, May/June, pp. 1100-1108, 2011.
43. M. Blajan, S. Muramatsu, and K. Shimizu, "Emission Spectroscopy of Pulsed Powered Microplasma," *International Journal of Plasma Environmental Science & Technology*, Vol.5, No.2, pp. 202-208, September 2011.
44. K. Shimizu, M. Blajan, T. Kuwabara, "Removal of Indoor Air Contaminant by Atmospheric Microplasma," *IEEE Transaction on Industry Applications*, 2011, Digital Object Identifier: 10.1109/TIA.2011.2168509.
45. K. Shimizu, Y. Komuro, S. Tatematsu, and M. Blajan, "Study of Sterilization and Disinfection in Room Air by Using Atmospheric Microplasma," *Pharmaceutica Analytica Acta S1*, 2011, Digital Object Identifier: <http://dx.doi.org/10.4172/2153-2435.S1-001>.

46. K. Shimizu, A. Umeda, M. Blajan, "Surface Treatment of Polymer Film by Atmospheric Pulsed Microplasma: Study on Gas Humidity Effect for Improving the Hydrophilic Property," *Japanese Journal of Applied Physics*, Vol. 50, 2011, 08KA03, DOI: 10.1143/JJAP.50.08KA03.
47. M. Blajan, R. Beleca, A. Iuga, and L. Dascalescu, "Triboelectrification of Granular Plastic Wastes in Vibrated Zigzag-Shaped Square Pipes in View of Electrostatic Separation," *IEEE Transaction on Industry Applications*, Vol. 46, No. 4, July/August, pp. 1558-1563, 2010.
48. M. Blajan, S. Muramatsu, T. Ishii, H. Mimura, and K. Shimizu, "Emission Spectroscopy of Microplasma Driven by a Pulsed Power Supply," *Journal of the Institute of Electrostatics Japan*, Vol. 34, No. 2, pp. 99-104, 2010, ISSN 0386-2550.
49. K. Shimizu, A. Umeda, S. Muramatsu, M. Blajan, "Basic Study on Surface Treatment of Functional Resin Film by Pulsed Atmospheric Microplasma," *IEEE Transaction on Fundamentals and Materials*, Vol. 130, No. 10, pp. 858-864, 2010.
50. K. Shimizu, M. Blajan, S. Muramatsu, "Study of Water Purification with Pulsed Power Supply using MOSFET Switches," *IEEE Transaction on Fundamentals and Materials*, Vol. 130, No. 6, pp. 531-537, 2010.
51. K. Shimizu, T. Ishii, and M. Blajan, "Emission Spectroscopy of Pulsed Power Microplasma for Atmospheric Pollution Control," *IEEE Transaction on Industry Applications*, Vol. 46, No. 3, May/June, pp. 1125-1131, 2010.
52. M. Blajan, T. Sugiyama, M. Kanamori, T. Ishii, H. Mimura, and K. Shimizu, "Simulated Exhaust Gas Treatment by Microplasma," *International Journal of Plasma Environmental Science & Technology*, Vol.4, No.1, pp. 24-30, March 2010.
53. K. Shimizu, M. Kanamori, and M. Blajan, "Application of Atmospheric Microplasma for Indoor Air Treatment," *International Journal of Plasma Environmental Science & Technology*, Vol.4, No.1, pp. 45-51, March 2010.
54. K. Shimizu, S. Muramatsu, T. Sonoda, and M. Blajan, "Water Treatment by Low Voltage Discharge in Water," *International Journal of Plasma Environmental Science & Technology*, Vol.4, No.1, pp. 58-64, March 2010.
55. K. Shimizu, M. Yamada, M. Kanamori, and M. Blajan, "Basic Study of Bacteria Inactivation at Low Discharge Voltage by Using Microplasmas," *IEEE Transaction on Industry Applications*, Vol. 46, No. 2, March/April, pp. 641-649, 2010.
56. K. Shimizu, M. Yamada, Y. Komuro, and M. Blajan, "Basic Study of Bactericidal Effect by Using Microplasma," *Journal of Japan Air Cleaning Association*, 47 (1) 4, pp. 30-38, 2009.
57. M. Blajan, M. Kanamori, H. Mimura, and K. Shimizu, "Study of NO_x Removal Processes by Microplasma Generation", *Journal of the Institute of Electrostatics Japan*, 33(1), pp. 8-13, 2009.
58. M. Kanamori, M. Blajan, and K. Shimizu, "Basic Study on Indoor Air Pollutant Treatment by Microplasma – Effect of Humidity in Formaldehyde Decomposition," *Journal of the Institute of Electrostatics Japan*, 33(1), pp. 32-37, 2009.
59. A. Iuga, I. Cuglesan, A. Samuila, M. Blajan, D. Vadan, L. Dascalescu, "Electrostatic Separation of Muscovite Mica from Feldspathic Pegmatites," *IEEE Transaction On Industry Applications*, Vol. 40, No. 2, March/April 2004, pp. 422-429.
60. A. Samuila, M. Blajan, R. Beleca, M. Huzau, R. Morar, L. Dascalescu, A. Iuga, "Modeling of Wire Corona Electrode Operation in Electrostatic Separation at Small and Large Gaps," *Journal of Electrostatics*, Vol. 63 (6-10), 2005, pp. 955-960.
61. A. Bendaoud, L. Dascalescu, M. Blajan, A. Samuila, A. Stochita, P. Notingher, "Corona Charging of Granular Layers of Insulating Particles at the Surface of a Grounded Electrode," *Journal of Electrostatics*, Vol. 63 (6-10), 2005, pp. 643-647.

(3) International Conferences

62. A. G. Yahaya, T. Okuyama, M. Blajan, J. Kristof and K. Shimizu, "Formation of Reactive Chlorine Species (RCS) in Plasma Activated Medium (PAM) for Bacterial Sterilization," 2022 IEEE International Conference on

- Plasma Science (ICOPS), Seattle, WA, USA, 2022, pp. 1-2, doi: 10.1109/ICOPS45751.2022.9813267.
63. F. Mustafa, J. Kristof, A. G. Yahaya, M. Blajan and K. Shimizu, "Comparison between different portions of the skin for transdermal drug delivery by Microplasma," 2021 IEEE Industry Applications Society Annual Meeting (IAS), Vancouver, BC, Canada, 2021, pp. 1-6, doi: 10.1109/IAS48185.2021.9677158.
64. M. Blajan, A. G. Yahaya, J. Kristof, T. Okuyama and K. Shimizu, "Inactivation of Staphylococcus Aureus by Microplasma," 2021 IEEE Industry Applications Society Annual Meeting (IAS), Vancouver, BC, Canada, 2021, pp. 1-5, doi: 10.1109/IAS48185.2021.9677085.
65. A. G. Yahaya, T. Okuyama, J. Kristof, M. G. Blajan and K. Shimizu, "Lifetime and Bactericidal Effect of Plasma Activated Medium by Di-Electric Barrier Discharge Microplasma in Air," 2021 IEEE International Conference on Plasma Science (ICOPS), Lake Tahoe, NV, USA, 2021, pp. 1-1, doi: 10.1109/ICOPS36761.2021.9588488.
66. A. Yahaya, T. Okuyama, M. Blajan, J. Kristof, and K. Shimizu, "Bactericidal Effect of Cold Atmospheric Microplasma", The 7th International Symposium toward the Future of Advanced Researches in Shizuoka University 2021(ISFAR-SU2021), (Zoom Webinar Distribution), (Mar., 2021).
67. J. Kristof, A. Yahaya, F. Mustafa, R. Yokoyama, M. Blajan and K. Shimizu, "Permeability of Epidermal Layer of The Skin for Adenosine by Microplasma and Iontophoresis," 2020 IEEE International Conference on Plasma Science (ICOPS), Singapore, Singapore, 2020, pp. 581-581, doi: 10.1109/ICOPS37625.2020.9717582..
68. A. Yahaya, T. Aoshima, F. Mustafa, J. Kristof, M. Blajan, and K. Shimizu, "Skin Treatment: Sterilization and Drug Delivery by Microplasma", The 6th International Symposium toward the Future of Advanced Researches in Shizuoka University 2020(ISFAR-SU2020), Shizuoka University, (Hamamatsu, Japan), PS-54, (Mar., 2020).
69. J. Kristof, T. Aoshima, M. Blajan, K. Shimizu, "Drug absorption by skin treated by microplasma discharge", the 11th Asia-Pacific International Symposium on the Basics and Applications of Plasma Technology, (APSPT-11), The Kanazawa Chamber of Commerce & Industry, (Kanazawa, Japan), P2-19, (Dec., 2019).
70. T. Aoshima, A. Yahaya, F. Mustafa, J. Kristof, M. Blajan, K. Shimizu, "Investigation of drug concentration in stratum corneum for atmospheric pressure microplasma treatment", Inter-Academia Asia 2019, (Shizuoka, Japan), P. 28, (Dec., 2019).
71. J. Kristof, T. Aoshima, M. Blajan, K. Shimizu, "Microplasma discharge in transdermal drug delivery", XXXIV International Conference on Phenomena in Ionized Gases(XXXIV ICPiG) / 10 th International Conference on Reactive Plasmas(ICRP-10), Sapporo Education and Culture Hall, (Sapporo, Japan), OR18PM-B01, (Jul., 2019).
72. T. Aoshima, J. Kristof, M. Blajan, and K. Shimizu, "Investigation of Atmospheric Pressure Microplasma Treatment for Transdermal Drug Delivery", 36th Symposium on Plasma Processing(SPP36)/The 31th Symposium on Plasma Science for Materials(SPSM31), Kochijyo Holl, (Kochi City, Japan), 15pA-1, (Jan., 2019).
73. J. Kristof, T. Aoshima, M. Blajan, and K. Shimizu, "Surface Modification of Stratum Corneum for Drug Delivery and Skin Care by Microplasma Discharge Treatment", The 7th International Conference on microelectronics and Plasma Technology, (ICMAP2018), Songdo Convensia, (Incheon, Korea), WP-017, (Jul., 2018).
74. J. Kristof, H. Miyamoto, M. Blajan and K. Shimizu, "Effect of Plasma Treatment on Lipid Molecules in Stratum Corneum", The 45th IEEE International Conference on Plasma Science (ICOPS2018), 3C-6, (Denver, USA), (Jun., 2018).
75. J. Kristof, H. Miyamoto, M. Blajan, and K. Shimizu, "Effect of Plasma on Structure and Permeability of Epidermal Layer of Pig Skin", 2018 Annual Meeting of the Electrostatics Society of America, G2, (Boston, USA), (Jun., 2018).
76. M. Blajan, D. Nonaka, J. Kristof, and K. Shimizu, "Influence of the Microplasma Actuator Electrode Configuration on the Induced EHD Flow", 2018 Annual Meeting of the Electrostatics Society of America, (Boston, USA), (Jun., 2018).
77. J. Kristof, H. Miyamoto, M. Blajan, and K. Shimizu, "Transdermal Drug Delivery Using Microplasma", The 4th International Symposium toward the Future of Advanced Researches in Shizuoka University 2018, Shizuoka

University, (Hamamatsu, Japan), p. 55, (Mar., 2018).

78. J. Kristof, H. Miyamoto, M. Blajan, K. Shimizu , “Microplasma-Skin Interaction in Transdermal Drug Delivery”, The 10th EU-Japan Joint Symposium on Plasma Processing JSPP2017, Bankoku Shinryokan, (Okinawa, Japan), (Dec., 2017).

79. S. Kimura, J. Kristof, M. Blajan, and K. Shimizu , “Study of plant hormone removal using atmospheric pressure microplasma”, Inter-Academia Asia 2017, (Shizuoka, Japan), P. 23, (Dec., 2017).

80. M. Blajan, A. Ito, J. Kristof, and K. Shimizu , ” Flow Control by Dielectric Barrier Discharge Microplasma”, Inter-Academia 2017, (Iasi, ROMANIA), p. 60, (Sep., 2017).

81. J. Kristof, H. Miyamoto, M. Blajan, and K. Shimizu , ”Pharmacokinetics of Cyclosporine A of Transdermal Delivery Using Microplasma and Oral Administration”, Inter-Academia 2017, (Iasi, ROMANIA), p. 14, (Sep., 2017).

82. J. Kristof, H. Miyamoto, M. Blajan, and K. Shimizu ,” Feasibility of transdermal delivery by microplasma discharge”, European Advanced Materials Congress,(Advanced Materials Laureate 2017), Conference Centre, M/S Mariella, Viking Line Terminal, (Stockholm, Sweden), (Aug., 2017).

83. K. Shimizu , A. Ito, M. Blajan, J. Kristof and H. Yoneda, “Parametric study of microplasma actuator driven by a burst sinusoidal voltage”, Int’l Symposium on Electrohydrodynamics 2017, EA5, (Gatineau, Canada), (Jun., 2017).

84. M. Blajan, A. Ito, J. Kristof, and K. Shimizu , “3-D Numerical Simulation of Vortex Generator by Microplasma”, 2017 Annual Meeting of the Electrostatics Society of America, A6, (Ottawa, Canada), (Jun., 2017).

85. J. Kristof, A. N. Tran, H. Miyamoto, M. Blajan, and K. Shimizu, “Skin permeability and transdermal drug delivery by plasma irradiation”, The 18th Takayanagi Kenjiro Memorial Symposium, Spot Hamamatsu Campus Shizuoka University, (Hamamatsu, Japan), 11, (Nov., 2016).

86. J. Kristof, A. N. Tran, M. Blajan, and K. Shimizu, “Spectroscopic study of permeability of stratum corneum by plasma treatment for transdermal drug delivery”, AVS 63th International Symposium & Exhibition, Music City Center, (Nashville, Tennessee, USA), PB+BI+PS-TuM2, (Nov., 2016).

87. S. Muramatsu, Y. Kurokawa, J. Kristof, M. Blajan, and K. Shimizu, “Removal Of Hexadecane By Atmospheric Microplasma”, 21st International Conference on Gas Discharges and Their Applications, (GD2016), Nagoya University, (Nagoya, Japan), F4, (Sep., 2016).

88. J. Kristof, A. N. Tran, M. Blajan, and K. Shimizu, “A study of the influence of plasma particles for transdermal drug delivery”, 2016 Inter-Academia in Warsaw, (IA2016), Warsaw University of Technology, (Warsaw, Poland), S3-2, (Sep., 2016).

89. M. Blajan, A. Ito, Y. Mizuno, J. Kristof, and K. Shimizu, "Simulation of Microplasma Actuator for Directional Flow Control", 2016 Inter-Academia in Warsaw, (IA2016), Warsaw University of Technology, (Warsaw, Poland), 50, (Sep., 2016).

90. K. Shimizu, A. N. Tran, K. Hayashida, and M. Blajan, “Feasibility study of plasma drug delivery for improving precutaneous absorption of skin”, 6th International Conference on Plasma Medicine, (ICPM-6), Comenius University, (Bratislava, Slovakia), I-12, (Sep., 2016).

91. J. Kristof, A. N. Tran, M. Blajan, and K. Shimizu, “Study of interaction between plasma and stratum corneum for transdermal drug delivery for improving precutaneous absorption of skin”, 6th International Conference on Plasma Medicine, (ICPM-6), Comenius University, (Bratislava, Slovakia), P2-14-2, (Sep., 2016) .

92. M. Blajan, A. Ito, J. Kristof, H. Yoneda, and K. Shimizu, “Numerical simulation and experimental study of EHD flow generated by microplasma actuator.”, International Workshop on Electro-Hydrodynamics and Triboelectrostatics, (IWEHD), University of Poitiers, (Poitiers, France), (Sep., 2016).

93. K. Shimizu, A. Ito, M. Blajan, J. Kristof, and H. Yoneda, "Basic study of fine particle transfer using microplasma actuator type electrode", the 10th Conference of the French Society of Electrostatics, (SFE2016), University of Poitiers, (Poitiers, France), O4-5, (Aug., 2016).

94. M. Blajan, A. Ito, Y. Mizuno, J. Kristof, and K. Shimizu, "Experimental and Simulation Study of Microplasma

- Actuator", the 10th Conference of the French Society of Electrostatics, (SFE2016), University of Poitiers, (Poitiers, France), P2-15, (Aug., 2016).
95. K. Shimizu, A. N. Tran, J. Kristof, and M. Blajan, "Investigation of atmospheric microplasma for improving skin permeability", 2016 Electrostatics Joint Conference, Purdue University, (West Lafayette, USA), I4, (Jun., 2016).
96. K. Shimizu, S. Muramatsu, J. Kristof, and M. Blajan, "Analysis of hexadecane decomposition by atmospheric microplasma", 2016 Electrostatics Joint Conference, Purdue University, (West Lafayette, USA), L1, (Jun., 2016).
97. A. Ito, M. Blajan, J. Kristof, H. Yoneda, and K. Shimizu, "Basic study of fine particle removal using microplasma actuator type electrodes", 8th International Symposium on Advanced Plasma Science and its Applications for Nitrides and Nanomaterials / 9th International Conference on Plasma-Nano Technology & Science, (IS-Plasma2016 / IC-PLANTS2016), Nagoya University, (Nagoya, Japan), 09P33, (Mar., 2016).
98. K. Shimizu, N. A. Tran, H. Kentaro, and M. Blajan, "Feasibility Study of Transdermal Drug Delivery by Atmospheric Microplasma Irradiation", Joint Symposium of the 9th Asia-Pacific International Symposium on the Basics and Applications of Plasma Thechnology / the 28th Symposium on Plasma Science for Materials, (APSPT-9 / SPSM-28), Nagasaki University, (Nagasaki, Japan), 12AM-A-2, (Dec., 2015).
99. N. A. Tran, J. Kristof, M. Blajan, and K. Shimizu, "Feasibility of Atmospheric Argon Plasma for Improving Transdermal Drug Absorption", Inter-Academia Asia 2015, (IAA 2015), Shizuoka Convention Center Granship, (Shizuoka, Japan), Engi-P8, (Dec., 2015).
100. N. Konagaya, M. Blajan, T. Onodera, A. Konno, and K. Shimizu, "Improvement of conversion efficiency of dye-sensitized solar cells by surface modification using microplasma", Plasma and Electrostatics Technologies for Environmental Application, (PETEA 2015), Kyoto International Conference Center, (Kyoto, Japan), PP05, (Dec., 2015).
101. K. Hayashida, M. Blajan, K. Kusamori, H. Katsumi, A. Yamamoto, and K. Shimizu, "Basic study of transdermal absorption enhancement by using atmospheric microplasma", 37th International Symposium on Dry Process, (DPS 2015), Awaji Yumebutai International Conference Center, (Awaji Island, Japan), P-53, (Nov. 2015).
102. K. Shimizu, Y. Kurokawa, and M. Blajan, "Study of VOC Removal Related To Particulate Matter and E. Coli Sterilization in Six-Mat Space by Atmospheric Microplasma", IAS Annual Meeting, (IAS 2015), Dallas Intercontinental Hotel, (Dallas, USA), 2015-EPC-0512, (Oct., 2015).
103. M. Blajan, Y. Mizuno, A. Ito, and K. Shimizu, "Microplasma Actuator for EHD Induced Flow", IAS Annual Meeting, (IAS 2015), Dallas Intercontinental Hotel, (Dallas, USA), 2015-EPC-0486, (Oct., 2015).
104. K. Shimizu, A. Ito, M. Blajan, and H. Yoneda, "Simulation of inductive flow controlled by using Microplasma Actuator", 9th International Conference on Reactive Plasmas / 68th Gaseous Electronics Conference / 33rd Symposium on Plasma Processing, (ICRP-9 / GEC-68 / SPP-33), Hawaii Convention Center, (Honolulu, USA), GT1-171, (Oct., 2015).
105. K. Shimizu, N. A. Tran, and M. Blajan, "Effect of microplasma irradiation on skin barrier function", 9th International Conference on Reactive Plasmas / 68th Gaseous Electronics Conference / 33rd Symposium on Plasma Processing, (ICRP-9 / GEC-68 / SPP-33), Hawaii Convention Center, (Honolulu, USA), FT1-5, (Oct., 2015).
106. K. Shimizu, Y. Mizuno, A. Ito, and M. Blajan, "Micromlasma Actuator for Active Flow Control: Experiment and Simulation", The 14th International Conference on Global Research and Education 2015, (Inter-Academia 2015), Congress Center in Hamamatsu ACT CITY, (Hamamatsu, Japan), P2-3, (Sep., 2015).
107. K. Shimizu, K. Hayashida, M. Blajan, K. Kusamori, H. Katsumi, and A. Yamamoto, "A novel application of low discharge voltage atmospheric microplasma for transdermal drug delivery", International Conference On Phenomena In Ionized Gases, (32nd ICPiG 2015), Alexandru Ioan Cuza University of Iași , (Iași, Romania), SpS2_4 , (Jul., 2015).
108. K. Shimizu, K. Hayashida, and M. Blajan, "Effect of Atmospheric Microplasma Irradiation on Stratum Corneum Layer", 7th International Symposium on Advanced Plasma Science and its Applications for Nitrides and Nanomaterials / 8th International Conference on Plasma-Nano Technology & Science, (ISPlasma2015 / IC-

PLANTS2015), Nagoya University, (Aichi, Japan), D4-O-04, (Mar., 2015).

109. Y. Kurokawa, M. Blajan, and K. Shimizu, "Study of VOC removal and E. Coli sterilization in six-mat space by atmospheric microplasma", 7th International Symposium on Advanced Plasma Science and its Applications for Nitrides and Nanomaterials / 8th International Conference on Plasma-Nano Technology & Science, (ISPlasma2015 / IC-PLANTS2015), Nagoya University, (Aichi, Japan), A5-P-04, (Mar., 2015).

110. N. A. Tran, K. Hayashida, M. Blajan, and K. Shimizu, "Basic Study on Surface Treatment of Polymer Thin Film by Using Atmospheric Plasma Jet", Inter- Academia Asia 2014 1st Conference, (IAA), Hotel Associa Shizuoka, (Shizuoka, Japan), 22, (Dec., 2014).

111. K. Hayashida, M. Blajan, and K. Shimizu, "Atmospheric plasma Irradiation Effect on Animal Skin", Shizuoka University 4th international Symposium for Promotion of Interdisciplinary Domain Research, GRANSHIP, (Shizuoka, Japan), 18, (Dec., 2014).

112. Y. Mizuno, M. Blajan, H. Yoneda, and K. Shimizu, "Thrust Enhancement of Plasma actuator by Sliding Discharge", Shizuoka University 4th international Symposium for Promotion of Interdisciplinary Domain Research, GRANSHIP, (Shizuoka, Japan), 25, (Dec., 2014).

113. S. Kaneta, M. Blajan, T. Onodera, A. Konno, and K. Shimizu, "Basic Study of Surface Modification for Film Dye Sensitized Solar Cells using Microplasma", Plasma Conference 2014, (PLASMA2014), Toki Messe Niigata Convention Center, (Niigata, Japan), 20PB-087, (Nov., 2014).

114. Y. Mizuno, M. Blajan, H. Yoneda, and K. Shimizu, "Characteristics of ionic wind induced by multi-electrode microplasma", Plasma Conference 2014, (PLASMA2014), Toki Messe Niigata Convention Center, (Niigata, Japan), 21PB-098, (Nov., 2014).

115. K. Hayashida, M. Blajan, and K. Shimizu, "Observation of Varying Stratum Corneum Behavior with Atmospheric Microplasma Irradiation", Plasma Conference 2014, (PLASMA2014), Toki Messe Niigata Convention Center, (Niigata, Japan), 21PB-099, (Nov., 2014).

116. S. Kaneta, M. Blajan, T. Onodera, A. Konno, and K. Shimizu, "Improved performance of film dye sensitized solar cell using atmospheric pressure microplasma" The 3rd Korea-Japan Conference on Plasma and Electrostatics Technologies, (KJPE2014), Ocean Suites Jeju hotel, (Jeju, Korea), O07S, (Nov., 2014).

117. Y. Mizuno, M. Blajan, H. Yoneda, and K. Shimizu, "Multi-electrode Microplasma Actuator for Active Flow Control" The 3rd Korea-Japan Conference on Plasma and Electrostatics Technologies, (KJPE2014), Ocean Suites Jeju hotel, (Jeju, Korea), O05S, (Nov., 2014).

118. N. A. Tran, K. Hayashida, M. Blajan, and K. Shimizu, "Basic Study on Surface Modification of Polymer Film by Using Atmospheric Argon Plasma Jet", The 3rd Korea-Japan Conference on Plasma and Electrostatics Technologies, (KJPE2014), Ocean Suites Jeju hotel, (Jeju, Korea), O04S, (Nov., 2014).

119. A. Ito, Y. Mizuno, M. Blajan, and K. Shimizu, "Control of fine particles by the atmospheric microplasma actuator", The 3rd Korea-Japan Conference on Plasma and Electrostatics Technologies, (KJPE2014), Ocean Suites Jeju hotel, (Jeju, Korea), O09S, (Nov., 2014).

120. K. Hayashida, M. Blajan, and K. Shimizu, "Observation of Stratum Corneum Changes to Depth Direction by Atmospheric Microplasma", The 3rd Korea-Japan Conference on Plasma and Electrostatics Technologies, (KJPE2014), Ocean Suites Jeju hotel, (Jeju, Korea), O14S, (Nov., 2014).

121. Y. Kurokawa, M. Blajan, and K. Shimizu, "Study of precipitation, deodorization and sterilization in large capacity space by atmospheric plasma", The 3rd Korea-Japan Conference on Plasma and Electrostatics Technologies, (KJPE2014), Ocean Suites Jeju hotel, (Jeju, Korea), O11S, (Nov., 2014).

122. K. Shimizu, Y. Mizuno, M. Blajan, "Characteristics of atmospheric non-thermal microplasma actuator", IEEE IAS Annual Meeting 2014, Sheraton Vancouver Wall Centre, (Vancouver, BC Canada), 2014-EPC-0287, (Oct., 2014).

123. K. Shimizu, Y. Kurokawa, M. Blajan, "Basic Study on Indoor air Quality improvement by Atmospheric Plasma", IEEE IAS Annual Meeting 2014, Sheraton Vancouver Wall Centre, (Vancouver, BC Canada), 2014-EPC-0308, (Oct., 2014).

124. Y. Mizuno, M. Blajan, H. Yoneda, K. Shimizu, "Active Flow Control by Multi-electrode Microplasma

- Actuator”, Eleventh International Conference on Flow Dynamics, (ICFD2014), Sendai International Center, (Sendai, Japan), OS9-10, p.408, (Oct. 2014).
125. M. Blajan, Y. Mizuno, and K. Shimizu, “Characteristics of EHD Flow Induced by Microplasma”, The International Symposium on Electrohydrodynamics, (ISEHD 2014), The Beach Tower Okinawa, (Okinawa, Japan), p25, (Jun., 2014).
126. Y. Mizuno, M. Blajan and K. Shimizu, “Microscale Plasma Actuator for Active Flow Control”, The International Symposium on Electrohydrodynamics, (ISEHD 2014), The Beach Tower Okinawa, (Okinawa, Japan), p60, (Jun., 2014).
127. K. Shimizu, K. Hayashida, and M. Blajan, “Observation of Skin Changes by Atmospheric Plasma Jet Irradiation”, 5th International Conference on Plasma Medicine, (ICPM5), Nara Prefectural New Public Hall, (Nara, Japan), 19-P06-08, (May, 2014).
128. S. Kaneta, M. Blajan, K.Ogi, A.Konno and K. Shimizu, “Surface modification of DSSSCs by atmospheric plasma jet”, 6th International Symposium on Advanced Plasma Science and its Applications for Nitrides and Nanomaterials /7th International Conference on Plasma-Nano Technology & Science, (ISPlasma2014/IC-PLANTS2014), Meijo University, (Nagoya, Japan), 05pP61, (Mar., 2014).
129. S.Kaneta, M. Blajan, K.Ogi, A.Konno and K. Shimizu, “Surface Treatment of Dye-Sensitized Solar cells by Atmospheric Pressure Plasma”, 8th International Conference on Reactive Plasmas / 31st Symposium on Plasma Processing, (ICRP-8/SPP-31), Fukuoka Convention Center, (Fukuoka, Japan), 4P-PM-S09-P29, (Feb., 2014).
130. Y. Mizuno, M. Blajan and K. Shimizu, “Basic Study on EHD Flow Induced by Pulsed Power Microplasma”, 8Th International Conference on Reactive Plasmas / 31st Symposium on Plasma Processing, (ICRP-8/SPP-31), Fukuoka Convention Center, (Fukuoka, Japan), 4P-PM-S09-P28, (Feb., 2014).
131. Y. Mizuno, M. Blajan and K. Shimizu, “Basic Study on Flow Control by Using DC Corona Discharge”, Tenth International Conference on Flow Dynamics, (ICFD2013), Sendai International Center, (Sendai, Japan), OS9-10, (Nov., 2013).
132. S. Kaneta, M. Blajan, K. Ogi, A. Konno and K. Shimizu, “Surface modification of DSSSC by plasma jet”, The 2013 Korean-Japanese Student Workshop, Shizuoka University, Hamamatsu Campus, (Hamamatsu, Japan), pp. 57-60, (Nov., 2013).
133. Y. Kurokawa, M. Blajan and K. Shimizu, “Indoor Air PM Control by Atmospheric Plasma”, The 1st international workshop of plasma bioscience and medicine for Shizuoka-Kwangwoon (SK) University, Plasma Bioscience Research Center, Kwangwoon University, (Seoul, Korea), p.15, (Oct., 2013).
134. H. Fukunaga, M. Blajan and K. Shimizu, “Responses of Skin Cancer Cell by Microplasma Irradiation”, The 1st international workshop of plasma bioscience and medicine for Shizuoka- Kwangwoon (SK) University, Plasma Bioscience Research Center, Kwangwoon University, (Seoul, Korea), p.29, (Oct., 2013).
135. Y. Mizuno, M. Blajan and K. Shimizu, “Study of Atmospheric Gas Discharge for Flow Control”, The 1st international workshop of plasma bioscience and medicine for ShizuokaKwangwoon (SK) University, Plasma Bioscience Research Center, Kwangwoon University, (Seoul, Korea), p.36, (Oct., 2013).
136. S.Kaneta, M. Blajan, K.Ogi, A.Konno and K. Shimizu, “Study of Surface Treatment for Dye-sensitized Solid-state Solar Cells by Plasma Jet”, The 1st international workshop of plasma bioscience and medicine for Shizuoka-Kwnagwoon (SK) University, Plasma Bioscience Research Center, Kwangwoon University, (Seoul, Korea), p.43, (Oct., 2013).
137. N Masamura, M. Blajan and K. Shimizu, “Study of Water Treatment by Using Atmospheric Non-thermal Microplasma”, The 1st international workshop of plasma bioscience and medicine for Shizuoka- Kwangwoon (SK) University, Plasma Bioscience Research Center, Kwangwoon University, (Seoul, Korea), p.49, (Oct., 2013).
138. K. Shimizu, Y. Mizuno and M. Blajan, “Basic Study on Flow Control by Using Plasma Actuator”, IEEE IAS Annual Meeting 2013, Hilton Orlando Lake Buena Vista, (Orlando, FL USA), EPC-361, (Oct., 2013).
139. M. Blajan and K. Shimizu, “Characteristics of Dielectric Barrier Discharge Microplasma”, IEEE IAS Annual Meeting 2013, Hilton Orlando Lake Buena Vista, (Orlando, FL USA), EPC-362, (Oct., 2013).
140. S.Kaneta, M. Blajan, K.Ogi, A.Konno and K. Shimizu, “Surface modification of dye-sensitized solid-state

- solar cells by plasma jet”, The 26th Symposium on plasma science for materials (SPSM-26), Centennial Hall Kyushu University School of Medicine, (Fukuoka, Japan), 24p-B-6, (Sep., 2013).
141. H. Fukunaga, M. Blajan and K. Shimizu, “Observation of Cells Response by Microplasma Irradiation”, 2013 JSAP-MRS Joint Symposia, Doshisha University, (Kyoto, Japan), 16a-M3-5, (Sep., 2013).
142. M. Blajan and K. Shimizu, “Characteristics of atmospheric pressure microplasma light emission”, 2013 JSAP-MRS Joint Symposia, Doshisha University, (Kyoto, Japan), 17p-PM4-10, (Sep., 2013).
143. N Masamura, M. Blajan and K. Shimizu, “Water Purification by Atmospheric Microplasma Treatment”, 2013 JSAP-MRS Joint Symposia, Doshisha University, (Kyoto, Japan), 17p-PM4-21, (Sep., 2013).
144. S. Kaneta, M. Blajan, K. Ogi, A. Konno and K. Shimizu, “Surface Treatment of dye-sensitized Solid-state Solar Cells Using Atmospheric Pressure Plasma Jet”, The 35th International Symposium on Dry Process, (DPS2013), Ramada Plaza Jeju Hotel, (Jeju, Korea), P-41, (Aug., 2013).
145. K. Shimizu, H. Fukunaga, and M. Blajan, “Biomedical Applications of the Atmospheric Microplasma”, Joint Symposium on Plasma and Electrostatic Technologies for Environmental Applications, Gero Synergy Center, (Gero city, Gifu, Japan), B-17, (May, 2013).
146. K. Shimizu, H. Fukunaga, and M. Blajan, “Bio and Medical Applications of Atmospheric Microplasma”, 2013 International Forum on Functional Materials, (IFFM2013), Ramada Plaza Jeju Hotel, (Jeju, Korea), p.153, (Jun., 2013).
147. S. Tatematsu, N Masamura, M. Blajan, and K. Shimizu, “ Study of Microplasma Irradiation for Bacterial Sterilization”, The 6th International Conference on Plasma - Nano Technology & Science, (IC-PLANTS2013), Gero Synergy Center, (Gero city, Gifu, Japan), P-H10, (Feb., 2013).
148. Y. Noma, S. Kaneta, M. Blajan, S. Naritsuka and K. Shimizu, “ GaN surface modification by atmospheric pressure non-thermal microplasma ”, 5th International Symposium on Advanced Plasma Science and its Application for Nitrides and Nanomaterials, (ISPlasma - 2013), Nagoya University, (Nagoya, Japan), P2089C, (Jan., 2013).
149. S. Tatematsu, M. Blajan and K. Shimizu, “Study of Microbial Sterilization by Atmospheric Microplasma Irradiation”, The 30th Symp on Plasma processing, Act City Hamamatsu, (Hamamatsu, Japan), 11, (Jan., 2013).
150. Y. Noma, M. Blajan, S. Naritsuka and K. Shimizu, “Study on Modification of GaN surface by Atmospheric Pressure Microplasma”, The 30th Symp on Plasma processing, Act City Hamamatsu, (Hamamatsu, Japan), 81, (Jan., 2013).
151. H. Fukunaga, M. Blajan and K. Shimizu, “Effect of Microplasma Irradiation on Medical Polymer Films”, The 30th Symp on Plasma processing, Act City Hamamatsu, (Hamamatsu, Japan), 83, (Jan., 2013).
152. M. Blajan and K. Shimizu, “Analysis of atmospheric pressure microplasma light emission”, The 30th Symp on Plasma processing, Act City Hamamatsu, (Hamamatsu, Japan), 165, (Jan., 2013).
153. N Masamura, M. Blajan and K. Shimizu, “Study of Wastewater Purification by Atmospheric Microplasma”, The 30th Symp on Plasma processing, Act City Hamamatsu, (Hamamatsu, Japan), 187, (Jan., 2013).
154. M. Blajan and K. Shimizu, “Dielectric barrier discharge microplasma in small discharge gaps”, Proceedings of International Symposium on Dry Process DPS2012, pp. 71-72, 2012.
155. Y. Noma, M. Blajan, S. Naritsuka and K. Shimizu, “Atmospheric Pressure Microplasma Treatment of GaN Surface”, Proceedings of International Symposium on Dry Process DPS2012, pp. 131-132, 2012.
156. H. Fukunaga, M. Blajan and K. Shimizu, “Effect of Microplasma Irradiation on Medical Polymer Films”, Proc. The 2012 Korean-Japanese Student Workshop, pp. 13-14, 2012.
157. M. Blajan and K. Shimizu, “Characteristics of microplasma in small discharge gaps”, The 25th Symposium on Plasma Science for Materials (SPSM-25), p. 130, 2012.
158. N Masamura, M. Blajan and K. Shimizu, “Water Purification by using Microplasma Discharge”, The 25th Symposium on Plasma Science for Materials (SPSM-25), p. 389, 2012.
159. S. Tatematsu, M. Blajan and K. Shimizu, “Study on Treatment of Bacteria and Cells by Using Remote Microplasma”, The 9th International Bioelectrics Symposium(BIOELECTRICS 2012), O-24, 2012.

160. M. Blajan and K. Shimizu, "Characteristics of Pulse Powered Microplasma in Small Discharge Gap", The 9th International Bioelectrics Symposium(BIOELECTRICS 2012), P-2A-9, 2012.
161. H. Fukunaga, M. Blajan and K. Shimizu, "Surface Modification on Medical Polymer Films Using Remote Microplasma", The 9th International Bioelectrics Symposium(BIOELECTRICS 2012), P-2A-7, 2012.
162. M. Blajan and K. Shimizu, "Spatial Distribution of Microplasma in Small Discharge Gaps", The 39th IEEE International Conference on Plasma Science (ICOPS2012), 3P-142, 2012.
163. K. Shimizu, M. Blajan and H. Fukunaga, "Study on Surface Modification of The L-Lactic Acid Films using Microplasma", The 39th IEEE International Conference on Plasma Science (ICOPS2012), 2P-114,2012.
164. M. Blajan and K. Shimizu, "Spatial and Temporal Distribution of Microplasma in Small Discharge Gaps", 2012 Electrostatics Joint Conference in Canada (IEEE IAS), N4, 2012.
165. K. Shimizu, Y. Noma, M. Blajan and S. Naritsuka, "Study on Surface Modification of GaN by Atmospheric Microplasma", 2012 Electrostatics Joint Conference in Canada (IEEE IAS), B2, 2012.
166. K. Shimizu, S. Tatematsu, H. Fukunaga, and M. Blajan, "Study of atmospheric microplasma for plasma-life science", Materials Research Society(MRS), 2012 MRS spring meeting CD, WW3.3, 2012.
167. M. Blajan, H. Fukunaga, and K. Shimizu, "Spatial and Temporal Analysis of Microplasma Light Emission", Materials Research Society(MRS), 2012 MRS spring meeting CD, WW6.7, 2012.
168. M. Blajan and K. Shimizu, "Spatial distribution of microplasma in small discharge gaps", The 5th International Conference on Plasma - Nano Technology & Science(IC-PLANTS2012), p. 24, 2012.
169. H. Fukunaga, S. Tatematsu, M. Blajan, and K. Shimizu, "Study on Surface Treatment of Thin Polymer Films by Remote Microplasma", The 5th International Conference on Plasma - Nano Technology & Science(IC-PLANTS2012), p. 27, 2012.
170. K. Shimizu, S. Tatematsu, H. Fukunaga and M. Blajan, "Application of Microplasma for Sterilization and Plasma Medicine", ISPlasma2012, P1024A, 2012.
171. M. Blajan and K. Shimizu, "Diagnostics of microplasma spatial and temporal distribution by emission spectroscopy", ISPlasma2012, 5p-A07OA, 2012.
172. Y. Noma, M. Blajan, S. Naritsuka and K. Shimizu, "Surface Modification of GaN Substrate by Atmospheric Microplasma", ISPlasma2012, P1072C, 2012.
173. H. Fukunaga, S. Tatematsu, Y. Komuro, M. Blajan and K. Shimizu, "Study on Surface Treatment of Polymer Sheet by Remote Microplasma", Proc. Int'l Symp. on Biomimetic Materials Processing (BMMP-12) , p.-1-9, 2012.
174. M. Blajan and K. Shimizu, "Light Emission of Microdischarges in Microplasma", Proc. Int'l Symp. on Biomimetic Materials Processing (BMMP-12) , p.-1-10, 2012.
175. K. Shimizu, S.Tatematsu, H. Fukunaga and M. Blajan, "Remote Microplasma Processing for Bacterial Sterilization and Plasma Medicine", The 8th EU-Japan Joint Symposium on Plasma Processing (JSPP2012), p. I23, 2012.
176. M. Blajan and K. Shimizu, "Spatial and Temporal Distribution of Microplasma in Small Discharge Gaps," Proceedings of 2012 Electrostatics Joint Conference, June 12-14, 2012, Cambridge, Ontario, Canada.
177. M. Blajan and K. Shimizu, "Diagnostics of microplasma spatial and temporal distribution by emission spectroscopy," Proceedings of ISPlasma 2012, March 4-8, 2012, Chubu University, Aichi, Japan, pp. 9.
178. K. Shimizu, S. Tatematsu, H. Fukunaga, M. Blajan, "Application of microplasma for sterilization and plasma medicine," Proceedings of ISPlasma 2012, March 4-8, 2012, Chubu University, Aichi, Japan, pp. 76.
179. Y. Noma, M. Blajan, S. Naritsuka, K. Shimizu, "Surface modification of GaN substrate by atmospheric microplasma," Proceedings of ISPlasma 2012, March 4-8, 2012, Chubu University, Aichi, Japan, pp. 99.
180. M. Blajan and K. Shimizu, "Observation of microplasma light emission in narrow discharge gaps," Book of Abstracts of The 8th EU-Japan Joint Symposium on Plasma Processing, January 19-18, 2012, Nara, Japan, p. 28.
181. Y. Noma, M. Blajan, S. Naritsuka, K. Shimizu, "Basic Study on Modification of GaN Surface by Atmospheric Microplasma," Book of Abstracts of The 8th EU-Japan Joint Symposium on Plasma Processing,

January 19-18, 2012, Nara, Japan, p. 26.

182. M. Blajan and K. Shimizu, "Spatial and Temporal Analysis of Microplasma Light Emission," PLASMA 2011, November 22-25, Kanazawa, Japan.

183. M. Blajan, A. Umeda, K. Shimizu, "Surface treatment of glass by microplasma," Proc. of 2011 IEEE Industry Applications Society Annual Meeting, CD-ROM, 9-13 October 2011, Orlando, Florida, USA, Digital Object Identifier: 10.1109/IAS.2011.6074288.

184. K. Shimizu, M. Blajan, S. Tatematsu, "Basic study of remote disinfection and sterilization effect by using atmospheric microplasma," Proc. of 2011 IEEE Industry Applications Society Annual Meeting, CD-ROM, 9-13 October 2011, Orlando, Florida, USA, Digital Object Identifier: 10.1109/IAS.2011.6074269.

185. H. Fukunaga, M. Blajan, and K. Shimizu, "Study on Surface Treatment of Polymer Films by Remote Microplasma," Proc. The 2011 Korean-Japanese Student Workshop, pp. 74-77, 2011.

186. M. Blajan, K. Shimizu, "Spatial distribution of light emission in microplasma under 100 μm gaps," Proceedings of International Symposium on Dry Process DPS, Kyoto Garden Palace, Kyoto, Japan, pp. 73-74, 2011.

187. Y. Noma, M. Blajan, S. Naritsuka, and K. Shimizu, "Basic Study of Surface treatment of GaN by atmospheric microplasma," Proceedings of International Symposium on Dry Process DPS, Kyoto Garden Palace, Kyoto, Japan, pp. 105-106, 2011.

188. Y. Noma, M. Blajan, K. Shimizu, "Basic study of atmospheric microplasma effect on the pressure loss," The 24th Symposium on Plasma Science for Materials (SPSM-24), p. 73, 2011.

189. M. Blajan, K. Shimizu, "Spatial Distribution of Microplasma Light Emission," The 24th Symposium on Plasma Science for Materials (SPSM-24), p. 71, 2011.

190. K. Shimizu, S. Tatematsu, H. Fukunaga, M. Blajan, "Introduction and Application of Microplasma," The 24th Symposium on Plasma Science for Materials (SPSM-24), p. 72, 2011.

191. M. Blajan, A. Umeda, K. Shimizu, "Pulsed Power Microplasma Diagnostics for Glass' Surface Treatment," 3rd International Symposium on Advanced Plasma Science and its Applications for Nitrides and nanomaterials ISPlasma2011, P1-019A, p. 64, March 6-9, 2011, Nagoya Institute of Technology, Nagoya, Japan.

192. A. Umeda, M. Blajan, K. Shimizu, "Study on Surface Modification of PEN Film by Remote Ar Microplasma," 3rd International Symposium on Advanced Plasma Science and its Applications for Nitrides and nanomaterials ISPlasma2011, P2-062C, p. 127, March 6-9, 2011, Nagoya Institute of Technology, Nagoya, Japan.

193. K. Shimizu, Y. Komuro, S. Tatematsu, M. Blajan, "Sterilization Process of Bacteria by Using Atmospheric Microplasma," 11th International Symposium on Biomimetic Materials Processing (BMMP-11), P-12, pp. 25, Nagoya University, Nagoya, Japan, January 25-28, 2011.

194. M. Blajan, A. Umeda, K. Shimizu, "Emission Spectroscopy of Microplasma for the Surface Treatment of Glass," 11th International Symposium on Biomimetic Materials Processing (BMMP-11), P-13, pp. 26, Nagoya University, Nagoya, Japan, January 25-28, 2011.

195. M. Blajan, A. Umeda, S. Muramatsu, K. Shimizu, "Emission spectroscopy of pulsed powered microplasma for surface treatment of PEN film," Proc. of 2010 IEEE Industry Applications Society Annual Meeting, CD-ROM, 3-7 October 2010 Houston, Texas, USA, Digital Object Identifier: 10.1109/IAS.2010.5614482.

196. K. Shimizu, M. Blajan, T. Kuwabara, "Removal of Indoor Air Contaminant by Atmospheric Microplasma," Proc. of 2010 IEEE Industry Applications Society Annual Meeting, CD-ROM, 3-7 October 2010 Houston, Texas, USA.

197. M. Blajan, S. Muramatsu, and K. Shimizu, "Emission Spectroscopy of Pulsed Powered Microplasma," Proceedings of the 7th Conference of the French Society of Electrostatics SFE 2010 August 30th/September 1st, 2010, Montpellier, France, pp. 144-149, ISBN 2-9505432-7-8.

198. K. Shimizu, A. Umeda, S. Muramatsu, M. Blajan, "Study on Surface Treatment of Polymer Film at Low Discharge Voltage by Pulsed Microplasma," Proceedings of the 7th Conference of the French Society of Electrostatics SFE 2010 August 30th/September 1st, 2010, Montpellier, France, pp. 137-142, ISBN 2-9505432-7-

8.

199. M. Blajan, S. Muramatsu, T. Kuwabara, A. Umeda, K. Shimizu “Microplasma diagnostics by emission spectroscopy,” Plasma Science, 2010 Abstracts IEEE International Conference on, 20-24 June 2010, Norfolk, VA, USA, Digital Object Identifier: 10.1109/PLASMA.2010.5534303.

200. K. Shimizu, Y. Komuro, M. Blajan, “Basic study of bacteria sterilization by using microplasma,” Plasma Science, 2010 Abstracts IEEE International Conference on, 20-24 June 2010, Norfolk, VA, USA, Digital Object Identifier: 10.1109/PLASMA.2010.5533918.

201. K. Shimizu, S. Muramatsu, and M. Blajan, “Simulated Polluted Water Treatment by Pulsed Low Voltage Discharge,” Int’l Workshop on Plasmas with Liquids , IWPL 2010, March 22-24, Matsuyama, Japan, pp. 57-58, 2010.

202. M. Blajan, S. Muramatsu, A.Umeda, and K. Shimizu, “Emission spectroscopy of microplasma in Ar/N₂mixture for surface treatment applications,” Proc. 3rd International Conference on Plasma-Nanotechnology & Science, IC-PLANTS 2010, March 11-12, Meijo University, Nagoya, Japan, P-73, 2010.

203. Y. Komuro, M. Blajan, and K. Shimizu, “Study of bacteria sterilization at low discharge voltage by using microplasma,” Proc. 3rd International Conference on Plasma-Nanotechnology & Science, IC-PLANTS 2010, March 11-12, Meijo University, Nagoya, Japan, P-59, 2010.

204. M. Blajan, S. Muramatsu, H. Mimura, K. Shimizu, “Pulsed Power Microplasma Diagnosis by Emission Spectroscopy,” Proceedings of 27th Symposium on Plasma Processing, SPP-27, Keiko Kinen Kaikan, Yokohama, Japan, February 1-3, pp. 151-152, 2010. 1

205. T. Kuwabara, M. Blajan, and K. Shimizu, “Basic Study on Simulated Indoor Air Treatment by Atmospheric Microplasma,” Proceedings of 27th Symposium on Plasma Processing, SPP-27, Keiko Kinen Kaikan, Yokohama, Japan, February 1-3, pp.231-232, 2010.

206. S. Muramatsu, M. Blajan, and K. Shimizu, “Discoloration of Water with Bubble by Low Voltage Pulse Discharge,” Proceedings of 27th Symposium on Plasma Processing, SPP-27, Keiko Kinen Kaikan, Yokohama, Japan, February 1-3, pp. 61-62, 2010.

207. A. Umeda, S. Muramatsu, M. Blajan, and K. Shimizu, “Basic Study of Surface Modification at Low Discharge Voltage by Atmospheric Microplasma,” Proc. Tenth Int’l Symp. on Biomimetic Materials Processing (BMMP-10) and First International Symposium On Water Science and Technology (WaST-1) , January 26-29, Nagoya University, Nagoya, Japan, pp. 16, 2010.

208. K. Shimizu, A. Umeda, and M. Blajan, “Basic study of surface treatment at low discharge voltage by atmospheric microplasma”, Proc. Int’l Symp. on Dry Process, DPS2009, September 24-25, Busan, Korea, pp. 173-174, 2009.

209. M. Blajan, T. Ishii, T. Yamada, and K. Shimizu, “Emission Spectroscopy of atmospheric microplasma for biomedical application”, Proc. Int’l Symp. on Dry Process, DPS2009, September 24-25, Busan, Korea , pp. 153-154, 2009.

210. M. Blajan, T. Ishii, H. Mimura, and K. Shimizu, “Emission spectrometry of microplasma for NO_x removal process”, Abstracts and full paper CD, 19th Int’l Symp. on Plasma Chemistry, ISPC 19, Ruhr-University Bochum, Germany, July 27- 31, pp. 398, 2009.

211. K. Shimizu, M. Kanamori, and M. Blajan, “Large volume treatment of formaldehyde using atmospheric microplasma”, Abstracts and full paper CD, 19th Int’l Symp. on Plasma Chemistry, ISPC 19, Ruhr-University Bochum, Germany, July 27- 31, pp. 399, 2009.

212. M. Blajan, M. Kanamori, T. Ishii, and K. Shimizu, “Study of Simulated Odor Treatment for a Factory Farm by Using Microplasma”, Abstracts and full paper CD Proceedings of the ESA/IEEE-IAS/IEJ/SFE Electrostatics Joint Conference, June 16-18, Boston University, Boston, Massachusetts, USA, 2009.

213. K. Shimizu, T. Ishii, and M. Blajan, “Emission Spectroscopy of Pulsed Power Microplasma for Atmospheric Pollution Control”, Abstracts and full paper CD Proceedings of the ESA/IEEE-IAS/IEJ/SFE Electrostatics Joint Conference, June 16-18, Boston University, Boston, Massachusetts, USA, 2009.

214. M. Blajan, R. Beleca, A. Iuga, and L. Dascalescu, "Triboelectrification of Granular Plastic Wastes in Vibrated Zigzag Shaped Square Pipes in View of Electrostatic Separation," Abstracts and full paper CD Proceedings of the ESA/IEEE-IAS/IEJ/SFE Electrostatics Joint Conference, June 16-18, Boston University, Boston, Massachusetts, USA, 2009.
215. K. Shimizu, M. Blajan, and T. Ishii, "Emission Spectrometry of Microplasma in NO/N₂ Mixture", proc. Plasma Science Symposium 2009 and The 26th Symposium on Plasma Processing, PSS-2009/SPP-26, February 2-4, Nagoya University, Nagoya, Japan, pp. 510-511, 2009.
216. M. Blajan, M. Kanamori, H. Mimura, and K. Shimizu, "NO_x Removal Processes of Simulated Exhaust Gas by Microplasma", proc. Plasma Science Symposium 2009 and The 26th Symposium on Plasma Processing, PSS-2009/SPP-26, February 2-4, Nagoya University, Nagoya, Japan, pp. 528-529, 2009.
217. M. Yamada, M. Blajan, and K. Shimizu, "Basic study of bacteria inactivation at low discharge voltage by using microplasma", Proc. 2nd International Conference on Plasma NanoTechnology & Science, IC-PLANTS 2009, January 22-23, Nagoya University, Nagoya, Japan, P-07, 2009.
218. S. Muramatsu, T. Sonoda, M. Blajan, and K. Shimizu, "Basic study of water treatment by low voltage discharge in bubbled water", Proc. 2nd International Conference on Plasma NanoTechnology & Science, IC-PLANTS 2009, January 22-23, Nagoya University, Nagoya, Japan, P-15, 2009.
219. M. Blajan, M. Kanamori, H. Mimura, and K. Shimizu, "NO_x Removal Processes by Microplasma Generation in Multiple Electrode Configuration," Proc. 2nd International Conference on Plasma NanoTechnology & Science, IC-PLANTS 2009, Nagoya University, Nagoya, Japan, P-16, 2009.
220. M. Blajan, T. Sugiyama, M. Kanamori, T. Ishii, H. Mimura, and K. Shimizu, "Simulated Exhaust Gas Treatment by Microplasma", Proc. International Symposium and Workshop on Electrostatics, November 9-12, 2008 Naha, Okinawa, November 13-15, 2008, Ishigaki Island, Japan.
221. K. Shimizu, S. Muramatsu, T. Sonoda, and M. Blajan, "Water Treatment by Low Voltage Discharge in the Water", Proc. International Symposium and Workshop on Electrostatics, November 9-12, 2008, Naha, Okinawa, November 13-15, 2008, Ishigaki Island, Japan.
222. K. Shimizu, M. Yamada, M. Kanamori, and M. Blajan, "Basic Study of Sterilization at Low Discharge Voltage by Using Microplasma," Abstracts and full paper CD, Proc. IEEE IAS Annual Meeting, October 5-9, Edmonton, Alberta, Canada, 2008.
223. K. Shimizu, T. Sugiyama, M. Kanamori, and M. Blajan, "Effect of Gas Temperature and Electrode Configuration on NO_x Removal by Microplasma," Proc. 6th Conference of the French Electrostatics Society, Paris, France, pp. 341-346, 2008.
224. M. Blajan, A. Samuila, R. Morar, I. Cuglesan, A. Iuga, D. Vadan, L. Dascalescu, "Muscovite Mica separation in High Intensity Electric Field," The X Balkan Mineral Processing Congress, Mineral Processing in the 21st Century, Varna, Bulgaria, 2003, pp.560-564.
225. M. Blajan, A. Samuila, V. Neamtu, R. Beleca, L. Caliap, D. Vadan, A. Iuga, L. Dascalescu, "Experimental Modeling of Particle Electrification in Vibrated Zigzag Shaped Metallic Tubes," Proceedings of ESA/IEJ/IEEE-IAS/SFE Joint Conference on Electrostatics, University of California, Berkeley, California, June 6-9, 2006, pp. 538-543.
226. M. Blajan, A. Samuila, V. Neamtu, R. Beleca, R. Morar, A. Iuga, L. Dascalescu, "Triboelectrification in Vibrated Zigzag Shaped Metallic Tubes in View of Electrostatic Separation," Proceedings of The Joint International Conference Materials for Electrical Engineering, Bucharest, Romania, June 15th-16th, 2006, pp. 234-239.
227. A. Iuga, A. Samuila, M. Blajan, R. Beleca, R. Morar, L. Dascalescu, "Characterization of Wire Corona Electrodes at Various Discharge Gaps in Electrostatic Separation Processes," Conference Record . IAS Meeting (IEEE Industry Applications Society), Seattle, U.S.A., 3, 2004, pp. 1967-1973.
228. A. Samuila, I. Cuglesan, A. Iuga, R. Morar, M. Blajan, L. Dascalescu, "Electroreparation of Mica from Feldspathic Pegmatites," Proceedings of The 3rd International Workshop Materials for Electrotechnics, Volume 2: Experimental Methods for Dielectrics, Bucharest, Romania, 2001, pp. 207-212.

229. A. Samuila, M. Blajan, I. Cuglesan, A. Iuga, D. Vadan, L. Dascalescu, "Electroreparation of Muscovite Mica in Corona Field," Proceedings of CNEA 2004, Sidi-Bel-Abes, Algeria, 2004, pp. 344-347.
230. A. Samuila, A. Iuga, M. Blajan, R. Beleca, R. Morar, L. Dascalescu, "Characterization of Wire Corona Electrodes at Various Discharge Gaps in Electrostatic Separation Processes," 5th International Symposium on Non-Thermal Plasma Technology for Pollution Control and Sustainable Energy Development, June 19-23, Ile d.Oléron, France, 2006.
231. I. Almasan, I. Cuglesan, M. Blajan, R. Morar, S. Budu, "Influence of the Active Electrodes Configuration and the Applied High Voltage upon the Iron-Manganese Ore Electroreparation," Proceedings of IEES, Oradea, Romania, May, 2001.

(4) National Conferences in Japan

232. 清水一男, 野中大輔, クリストフ・ヤロスラヴ, マリウス・ガブリエル・ブラジヤン, 「静電気力によるマイクロプラズマ電極上に堆積した微粒子除去の研究」, 令和2年室内環境学会学術大会, 郡山市中央公民館・郡山公会堂, (福島県郡山市), 2020年度室内環境学会賞・論文賞 受賞講演 (オンライン), (Dec., 2020).
233. A. G. Yahaya, 奥山 智弘, J. Kristof, Marius Blajan, 清水一男, 「DIRECT AND INDIRECT BACTERIAL INACTIVATION USING COLD ATMOSPHERIC MICROPLASMA AND PLASMA JET」, 第44回静電気学会全国大会, 24pC-10, (Sep., 2020)
234. 青島知道, ヤハヤ・アハマド・グジ, ムスタファ・ファリハ, クリストフ・ヤロスラヴ, マリウス・ガブリエル・ブラジヤン, 清水一男, 「経皮ドラッグデリバリーに向けた大気圧マイクロプラズマによる皮膚処理の研究」, 令和2年電気学会全国大会講演, 東京電機大学 東京千住キャンパス, (東京都足立区), 1-127, (Mar., 2020).
235. 青島知道, ヤハヤ・アハマド・グジ, ムスタファ・ファリハ, クリストフ・ヤロスラヴ, マリウス・ガブリエル・ブラジヤン, 清水一男, 「マイクロプラズマ照射による薬剤類経皮吸収促進の研究」, 第10回化粧品開発展, リードエグジビションジャパン, 幕張メッセ, (千葉県千葉市), A-22, (Jan., 2020).
236. 青島知道, クリストフ・ヤロスラヴ, マリウス・ガブリエル・ブラジヤン, 清水一男, 「大気圧マイクロプラズマ照射における角質層内薬剤浸透性の評価」, 第43回静電気学会全国大会, 熊本大学 (熊本県熊本市中央区), 13aC-8, (Sep., 2019).
237. 青島知道, クリストフ・ヤロスラヴ, マリウス・ガブリエル・ブラジヤン, 清水一男, 「大気圧マイクロプラズマ照射による角質層内薬剤浸透性の研究」, シーズ&ニーズビジネスマッチング研究発表会, ホテルアソシア静岡, (静岡県静岡市), (Sep., 2019).
238. 青島知道, クリストフ・ヤロスラヴ, マリウス・ガブリエル・ブラジヤン, 清水一男, 「マイクロプラズマ照射による経皮ドラッグデリバリーの研究」, 第9回化粧品開発展, リードエグジビションジャパン, 幕張メッセ, (千葉県千葉市), ACA-2, (Jan., 2019).
239. 清水一男, 木村聡, クリストフ・ヤロスラヴ, マリウス・ガブリエル・ブラジヤン, 大下貴也, 「大気圧マイクロプラズマを用いた果実類からの植物ホルモン除去と鮮度保持の研究」, 平成30年室内環境学会学術大会, 東京工業大学大岡山キャンパス, (東京都目黒区), A-17, (Dec., 2018).
240. 青島知道, クリストフ・ヤロスラヴ, マリウス・ガブリエル・ブラジヤン, 清水一男, 「経皮ドラッグデリバリーに向けたプラズマ処理」, 静岡大学産学連携協力会第38回会員企業交流会, グランドホテル浜松, (静岡県浜松市), (Nov., 2018).
241. 野中大輔, マリウス・ガブリエル・ブラジヤン, クリストフ・ヤロスラヴ, 米田仁紀, 清水一男, 「マイクロプラズマ電極表面上の微粒子除去の研究」, 第79回応用物理学会秋季学術講演会, 名古屋国際会議場, (愛知県名古屋市), 21a-136-11, (Sep., 2018).

242. 清水一男,木村聡,クリストフ・ヤロスラヴ,マリウス・ガブリエル・ブラジヤン,大下貴也,「大気圧マイクロプラズマを用いた植物ホルモン除去と鮮度保持の検討」,第42回静電気学会全国大会,東京工業大学大岡山キャンパス,(東京都目黒区),14aC-5, pp. 215-218, (Sep., 2018).
243. 野中大輔,クリストフ・ヤロスラヴ,マリウス・ガブリエル・ブラジヤン,清水一男,「マイクロプラズマ電極表面上の微粒子除去の研究」,第65回応用物理学会春季学術講演会,早稲田大学,(東京都新宿区),17p-C201-3, (Mar., 2018).
244. 木村聡,クリストフ・ヤロスラヴ,マリウス・ガブリエル・ブラジヤン,清水一男,大下貴也(積水化学工業),「大気圧マイクロプラズマによる植物ホルモン除去の研究」,平成30年電気学会全国大会講演論文集,九州大学伊都キャンパス,(福岡県福岡市),1-105, (Mar., 2018).
245. 清水一男,宮本秀人,クリストフ・ヤロスラヴ,マリウス・ガブリエル・ブラジヤン,「マイクロプラズマ照射による薬剤類経皮吸収効率促進の研究」,第8回化粧品開発展,リードエグジビションジャパン,幕張メッセ,(千葉県千葉市),AC-2, (Jan., 2018).
246. マリウス・ガブリエル・ブラジヤン,野中大輔,クリストフ・ヤロスラヴ,清水一男,「マイクロプラズマボルテックスジェネレータによるEHD誘起流の研究」,Plasma Conference 2017,姫路商工会議所,(兵庫県姫路市),22Ea-07, (Nov., 2017).
247. 木村聡,マリウス・ガブリエル・ブラジヤン,クリストフ・ヤロスラヴ,清水一男,「大気圧マイクロプラズマを使用した植物ホルモン除去の研究」,シーズ&ニーズビジネスマッチング研究発表会,ホテルプリヴェ静岡ステーション,(静岡県静岡市), (Sep., 2017).
248. 宮本秀人,クリストフ・ヤロスラヴ,マリウス・ガブリエル・ブラジヤン,清水一男,「大気圧マイクロプラズマ照射による薬剤類経皮吸収効果の研究」,第41回静電気学会全国大会,関西大学千里山キャンパス,(大阪市吹田市),12aC-5, pp. 111-114, (Sep., 2017).
249. 木村聡,大下貴也,クリストフ・ヤロスラヴ,マリウス・ガブリエル・ブラジヤン,清水一男,「大気圧マイクロプラズマによる植物ホルモン(エチレン)の制御」,第34回空気清浄とコンタミネーションコントロール大会,早稲田大学,(東京都新宿区),講演予稿集C-17, pp. 236-238, (Apr., 2017).
250. 清水一男,宮本秀人,クリストフ・ヤロスラヴ,マリウス・ガブリエル・ブラジヤン,「大気圧マイクロプラズマを用いた薬剤類経皮吸収促進の研究」,第7回化粧品開発展,リードエグジビションジャパン,東京ビッグサイト,(東京都江東区),A-19, (Jan., 2017).
251. 宮本秀人,クリストフ・ヤロスラヴ,チャン・ニャット・アン,マリウス・ガブリエル・ブラジヤン,清水一男,「マイクロプラズマドラッグデリバリーによる薬剤類経皮吸収促進」,第34回プラズマプロセスング研究会,第29回プラズマ材料化学シンポジウム,16aA2, (Jan., 2017).
252. 村松佐保,クリストフ・ヤロスラヴ,マリウス・ガブリエル・ブラジヤン,清水一男,「マイクロプラズマを用いた室内空気PM原因物質除去の研究」,平成28年室内環境学会学術大会,産業技術総合研究所,(茨城県つくば市),B-15, (Dec., 2016).
253. 清水一男,伊藤暁彦,マリウス・ガブリエル・ブラジヤン,クリストフ・ヤロスラヴ,米田仁紀,「静電気力によるマイクロプラズマ電極表面上の微粒子除去の研究」,第40回静電気学会全国大会,群馬大学,(群馬県桐生市),29aB-1, (Sep., 2016).
254. 清水一男,伊藤暁彦,マリウス・ガブリエル・ブラジヤン,クリストフ・ヤロスラヴ,米田仁紀,「マイクロプラズマアクチュエータを用いた斜め方向の誘起流生成と制御」,日本機械学会2016年度年次大会,九州大学伊都キャンパス,(福岡県福岡市),S0530303, (Sep., 2016).
255. 伊藤暁彦,マリウス・ブラジヤン,ヤロスラヴクリストフ,清水一男,「マイクロプラズマアクチュエータを用いた流体・微粒子制御の研究」,合同開催,グランドホテル浜松,(静岡県浜松市), (Dec., 2015).

256. Nhat An Tran, Jaroslav Kristof, Marius Gabriel Blajan, 清水一男, 「大気圧マイクロプラズマ照射による薬剤類経皮吸収の研究」, 合同開催, グランドホテル浜松, (静岡県浜松市), (Dec., 2015).
257. 黒川裕介, 村松佐保, ヤロスラヴクリストフ, マリウスブラジャン, 清水一男, 「大気圧マイクロプラズマを用いた室内空気浄化の研究」, 合同開催, グランドホテル浜松, (静岡県浜松市), (Dec., 2015).
258. 伊藤暁彦, マリウスブラジャン, 米田仁紀, 清水一男, 「マイクロプラズマアクチュエータを用いた流れ方向制御の実験および数値計算」, 日本機械学会流体工学部門 A-TS 05-24 研究会「プラズマアクチュエータ研究会」第3回シンポジウム, 鳥取大学, (鳥取県鳥取市), PA3-PO18, (Dec., 2015).
259. 黒川裕介, 清水一男, マリウスブラジャン, 「大気圧マイクロプラズマ電極によるヘキサデカン除去の検討」, 第39回静電気学会全国大会, 首都大学東京, (東京都八王子市), 24aB-7, (Sep., 2015).
260. 清水一男, 林田健太郎, Tran Nhat An, Marius Blajan, 「大気圧マイクロプラズマによる経皮吸収性向上の基礎検討」, 平成27年電気学会基礎・材料・共通部門大会, 金沢大学, (石川県金沢市), 18-E-p1-3, (Sep., 2015).
261. 黒川裕介, Marius Blajan, 清水一男, 「大気圧プラズマを用いた6畳空間におけるVOC除去、大腸菌の殺菌の検討」, 第32回空気清浄とコンタミネーションコントロール大会, 早稲田大学, (東京都新宿区), B-23, (Apr., 2015).
262. 水野良典, Marius Blajan, 米田仁紀, 清水一男, 「プラズマアクチュエータの多チャンネル化に関する基礎検討」, 平成27年電気学会全国大会, 東京都市大学, (東京都世田谷区), 1-091, (Mar., 2015).
263. 伊藤暁彦, 水野良典, Marius Blajan, 米田仁紀, 清水一男, 「マイクロプラズマアクチュエータ型電極による導電性微粒子制御の基礎検討」, 平成27年電気学会全国大会, 東京都市大学, (東京都世田谷区), 1-090, (Mar., 2015).
264. 清水一男, 林田健太郎, Marius Blajan, 「大気圧プラズマ照射による経皮吸収改善の基礎検討」, 第62回応用物理学会春季学術講演会, 東海大学, (神奈川県平塚市), 13a-A28-12, (Mar., 2015).
265. 水野良典, Marius Blajan, 米田仁紀, 清水一男, 「多電極マイクロプラズマアクチュエータによる流体の能動制御」, 第38回静電気学会全国大会, 広島国際大学, (広島県広島市), 9aC-1, (Sep., 2014).
266. 黒川裕介, Marius Blajan, 清水一男, 「大気圧プラズマによる室内PM、VOC制御の基礎検討」, 第31回空気清浄とコンタミネーションコントロール研究大会予稿集, (JACA), 早稲田大学国際会議場, (東京都新宿区), pp77-79, C-3, (May, 2014).
267. 林田健太郎, Marius Blajan, 清水一男, 「大気圧プラズマジェット照射による動物皮膚変化の観察」, 平成26年電気学会全国大会講演論文集, 愛媛大学, (愛媛県松山市), 1-146, (Mar., 2014).
268. 水野良典, Marius Blajan, 清水一男, 「低電力コロナ放電による電気流体力学効果」, 平成26年電気学会全国大会講演論文集, 愛媛大学, (愛媛県松山市), 1-129, (Mar., 2014).
269. 黒川裕介, Marius Blajan, 清水一男, 「大気圧プラズマによる室内PM制御の基礎検討」, 平成25年室内環境学会学術大会講演要旨集, アルカスSASEBO, (長崎県佐世保市), pp246-247, B-10, (Dec., 2013).
270. 正村直人, Marius Blajan, 清水一男, 「大気圧マイクロプラズマを用いたインジゴカルミンの脱色検討」, 平成25年度電気関係学会東海支部連合大会講演論文集, 静岡大学浜松キャンパス, (静岡県浜松市), Po2-14, (Sep., 2013).
271. 福永穂高, Marius Blajan, 清水一男, 「大気圧マイクロプラズマを用いた医療用フィルムの表面変化」, 平成25年度電気関係学会東海支部連合大会講演論文集, 静岡大学浜松キャンパス, (静岡県浜松市), Po2-13, (Sep., 2013).
272. 水野良典, Marius Blajan, 清水一男, 「DCコロナ放電による流体制御の基礎研究」, 静電気学会講演論文集2013, 千葉大学, (千葉県千葉市), pp209-210, (Sep., 2013).

273. 福永穂高, 立松成基, Marius Blajan, 清水一男, 「大気圧マイクロプラズマの微生物殺菌における添加物効果の検証」, 第30回空気清浄とコンタミネーションコントロール研究大会予稿集, 早稲田大学, (東京都新宿区), pp. 167-168, (Apr., 2013).
274. 立松成基, Marius Blajan, 清水一男, 「大気圧マイクロプラズマ処理による表面付着菌に与える影響」, 平成24年度室内環境学会学術大会講演要旨集, pp. 176-177, A-11, 2012.
275. 立松成基, 正村直人, 福永穂高, Marius Blajan, 清水一男, 「Microbial Sterilization by Atmospheric Remote Microplasma」, 第17回 静岡 健康・長寿学術フォーラム, p.45, 2012.
276. 正村直人, Marius Blajan, 清水一男, 「大気圧マイクロプラズマによる液中有機物の分解」, 第36回会静電気学会全国大会講演論文集2012, pp. 67-68, 2012.
277. 福永穂高, Marius Blajan, 清水一男, 「Surface Modification of Medical Polymer Films by Atmospheric Microplasma」, 第73回応用物理学会学術講演会講演予稿集DVD, 13a-E2-1, 2012.
278. Marius Blajan, 清水一男, 「Analysis of Spatial and Temporal Distribution of Microplasma in Small Discharge Gaps」, 第73回応用物理学会学術講演会講演予稿集 DVD, 13a-E1-18, 2012.
279. 立松成基, Marius Blajan, 清水一男, 「大気圧マイクロプラズマによる表面付着菌類制御の研究」, 第29回空気清浄とコンタミネーションコントロール研究大会予稿集, pp. 188-189, 2012.
280. マリウスブラジャン, 清水一男, 「マイクロプラズマの微細放電独特 Characteristics of Microdischarges in Microplasma」, 応用物理学関係連合講演会講演予稿集CD, 17a-A7-6, 2012.
281. 立松成基, マリウスブラジャン, 清水一男, 「大気圧マイクロプラズマによる表面付着菌殺菌効果の検証」, 電気学会全国大会講演論文集CD, 1-203, 2012.
282. 清水一男, 野間悠太, マリウスブラジャン, 成塚重弥, 「GaN基板のマイクロプラズマによる表面改質」, 電気学会全国大会講演論文集CD, 1-213, 2012.
283. マリウスブラジャン, 清水一男, 「マイクロプラズマの微細放電分析」, 電気学会全国大会講演論文集CD, 1-195, 2012.
284. 桑原航也, マリウスブラジャン, 清水一男 「大気圧マイクロプラズマを用いた模擬室内空気浄化の研究(3)」, 平成23年度室内環境学会学術大会講演要旨集, pp. 164-165, 2A-06, 2011.
285. 小室祐貴, Marius Blajan, 清水一男, 「大気圧マイクロプラズマを用いた浮遊芽胞滅菌の検討」, 平成23年度室内環境学会学術大会講演要旨集, pp. 232-233, 2B-17, 2011.
286. 野間悠太, Marius Blajan, 清水一男, 「大気圧マイクロプラズマによるGaN基板表面改質の基礎検討」, 応用物理学会プラズマエレクトロニクス分科会20周年(研究会創設25周年)記念特別シンポジウム講演予稿集, p. 89, 2011.
287. 清水一男, 立松成基, マリウスブラジャン, 「Basic Study of Microplasma for “Plasma Medicine”マイクロプラズマの医療応用への基礎検討」, 第72回応用物理学会学術講演会, CD, 31a-ZD-8, 2011.
288. マリウスブラジャン, 清水一男, 「微小ギャップマイクロプラズマの発光分布分析 Distribution of Microplasma Light Emission in Discharge Gaps Under 100 μ m」, 第72回応用物理学会学術講演会, CD, 30a-ZD-1, 2011.
289. 立松成基, Marius Blajan, 清水一男, 「大気圧マイクロプラズマの低電圧リモートプロセスによる殺菌効果の基礎検討」, 静電気学会講演論文集, pp. 145-146, 2011.
290. 野間悠太, Marius Blajan, 成塚重弥, 清水一男, 「大気圧マイクロプラズマを用いたGaN表面改質の基礎検討」, 静電気学会講演論文集, pp. 59-60, 2011.
291. 野間悠太, Marius Blajan, 清水一男, 「大気圧マイクロプラズマによる圧力損失変化の検討」, 静電気学会講演論文集, pp. 265-266, 2011.
292. マリウスブラジャン, 清水一男, 「大気圧マイクロプラズマの時空間発行分析」, 静電気学会講演論

文集, pp. 139-140, 2011.

293. 桑原航也, マリウスブラジャン, 清水一男, 「大気圧マイクロプラズマを用いた 模擬室内空気浄化の研究 (2)」, 第28回空気清浄とコンタミネーションコントロール 研究大会予稿集, pp. 32-33, 2011,
294. 清水一男, 小室祐貴, Marius Blajan, 「大気圧マイクロプラズマによる微生物殺菌 効果の研究」, 第28回空気清浄とコンタミネーションコントロール研究大会予稿集, pp. 194-195, 2011.
295. 清水一男, 梅田暁良, Marius BLAJAN, 「リモートマイクロプラズマ処理による PENフィルム表面改質の研究」, 電気学会全国大会講演論文集CD, 1-205, 2011.
296. Marius BLAJAN, 梅田暁良, 清水一男, 「Diagnostics of Microplasma by Emission Spectroscopy for Surface Treatment of Glass」, 電気学会全国大会講演論文集CD, 1-200, 2011.
297. M. Blajan and K. Shimizu, “Diagnostics of Pulsed Powered Microplasma by Emission Spectroscopy,” Proc. of 2010 Annual Meeting of The Institute of Electrostatics Japan, September 14-15, Tottori, Japan, pp. 205-210, 2010, ISSN 1342-1492.
298. Y. Komuro, M. Blajan, and K. Shimizu, “Study of Bacteria Sterilization Effect by Using Pulsed Atmospheric Microplasma,” Proc. of 2010 Annual Meeting of The Institute of Electrostatics Japan, September 14-15, Tottori, Japan, pp. 143-144, 2010, ISSN 1342-1492.
299. A. Umeda, M. Blajan, and K. Shimizu, “Study on Surface Treatment of PEN Film by Pulsed Atmospheric Microplasma,” Proc. of 2010 Annual Meeting of The Institute of Electrostatics Japan, September 14-15, Tottori, Japan, pp. 65-66, 2010, ISSN 1342-1492.
300. T. Kuwabara, M. Blajan, and K. Shimizu, “Basic Study on Decomposition of Indoor Air Contaminant by Pulsed Atmospheric Microplasma,” Proc. of 2010 Annual Meeting of The Institute of Electrostatics Japan, September 14-15, Tottori, Japan, pp. 1-4, 2010, ISSN 1342-1492.
301. M. Blajan, S. Muramatsu, H. Mimura, and K. Shimizu, “Emission Spectroscopy of Microplasma Discharge in Ar/N₂Mixture,” The 2010 Annual Meeting Record IEE Japan, March 17-19, Tokyo, Japan, Proc. Vol. 1, pp. 203, 2010.
302. S. Muramatsu, Y. Komuro, M. Blajan, and Kazuo Shimizu, “Basic Study of Sterilization by Low Voltage Discharge in Bubbling Water,” The 2010 Annual Meeting Record IEE Japan, March 17-19, Tokyo, Japan, Proc. Vol. 1, pp. 202, 2010.
303. K. Shimizu, T. Kuwabara, and M. Blajan, “Basic Study on Simulated Indoor Air Treatment by Atmospheric Microplasma,” The 2010 Annual Meeting Record IEE Japan, March 17-19, Tokyo, Japan, Proc. Vol. 1, pp. 63, 2010.
304. S. Muramatsu, M. Blajan, and K. Shimizu, “Basic Study of Water Treatment by Low Voltage Pulsed Discharge in Bubbled Water,” Proc. of 2009 Annual Meeting of The Institute of Electrostatics Japan, September 10-11, Tokyo, Japan, pp.255-258, 2009.
305. A. Umeda, M. Blajan, and K. Shimizu, “Basic Study on Surface Treatment of Polymer Film by Atmospheric Microplasma,” Proc. of 2009 Annual Meeting of The Institute of Electrostatics Japan, September 10-11, Tokyo, Japan, pp.247-250, 2009.
306. T. Kuwabara, M. Kanamori, M. Blajan, and Kazuo Shimizu, “Basic Study on Treatment of Indoor Air Pollutants by Microplasma (III),” Proc. of 2009 Annual Meeting of The Institute of Electrostatics Japan, September 10-11, Tokyo, Japan, pp.205-206, 2009.
307. Y. Komuro, M. Yamada, M. Blajan, T. Sugiyama, and K. Shimizu, “Basic Study of Inactivation of Bacteria at Low Discharge Voltage by Using Microplasma (III),” Proc. of 2009 Annual Meeting of The Institute of Electrostatics Japan, September 10-11, Tokyo, Japan, pp.127-128, 2009.
308. M. Blajan, S. Muramatsu, T. Ishii, H. Mimura, and K. Shimizu, “Emission Spectroscopy of Microplasma Using a Pulsed Power Supply,” Proc. of 2009 Annual Meeting of The Institute of Electrostatics Japan, September 10-11, Tokyo, Japan, pp.11-16, 2009.
309. K. Shimizu, M. Kanamori, and M. Blajan, “Basic Study on Indoor Air Purification Using Atmospheric

- Microplasma (II),” Proc. 27th Annual Tech. Meeting on Air Cleaning and Contamination Control, April 14-15, Waseda, Tokyo, Japan, pp. 204-205, 2009.
310. K. Shimizu, M. Yamada, and M. Blajan, “Basic Study of Bacteria Inactivation by Using Microplasma,” Proc. 27th Annual Tech. Meeting on Air Cleaning and Contamination Control, April 14-15, Waseda, Tokyo, Japan, pp. 85-86, 2009.
311. M. Blajan, T. Ishii, M. Kanamori, H. Mimura, K. Shimizu, “Microplasma Generation by Pulsed Power Supply for NO_x Removal”, The 2009 Annual Meeting Record IEE Japan, March 17, Sapporo, Japan, Proc. Vol. 1, pp. 207, 2009.
312. K. Shimizu, T. Ishii, and M. Blajan, “Observation of Emission Spectra by Microplasma in NO/N₂ Mixture,” The 2009 Annual Meeting Record IEE Japan, March 17, Sapporo, Japan, Proc. Vol. 1, pp. 252, 2009.
313. M. Yamada, M. Blajan, and K. Shimizu, “Basic Study of Sterilization Technique at Low Discharge Voltage by Using Microplasma (II),” Proc. of 2008 Annual Meeting of The Institute of Electrostatics Japan, September 18-19, Oita, Japan, pp.85-88, 2008.
314. M. Kanamori, M. Blajan, and K. Shimizu, “Basic Study on Treatment of Indoor Air Pollutants by Microplasma (II),” Proc. of 2008 Annual Meeting of The Institute of Electrostatics Japan, September 18-19, Oita, Japan, pp. 127-132, 2008.
315. T. Ishii, M. Blajan, and K. Shimizu, “Measurement of Emission Spectrum of N₂ in Microplasma Discharge,” Proc. of 2008 Annual Meeting of The Institute of Electrostatics Japan, September 18-19, Oita, Japan, pp. 145-148, 2008.
316. S. Muramatsu, T. Sonoda, M. Blajan, and K. Shimizu, “Basic Study of Liquid Purification of Water at Low Voltage Discharge (II),” Proc. of 2008 Annual Meeting of The Institute of Electrostatics Japan, September 18-19, Oita, Japan, pp. 181-182, 2008.
317. M. Blajan, M. Kanamori, and K. Shimizu, “Study of NO_x Removal Processes by Microplasma Generation,” Proc. of 2008 Annual Meeting of The Institute of Electrostatics Japan, September 18-19, Oita, Japan, pp. 211-216, 2008.