

ПРИЛОГ ИЗВЕШТАЈУ

СПИСАК ОБЈАВЉЕНИХ РАДОВА др КОСТЕ СПАСИЋА

1 Монографске студије у тематским зборницима међународног значаја M14

- 1) “Biomedical applications and diagnostics of atmospheric pressure plasma“, Zoran Lj. Petrović, Nevena Puač, Saša Lazović, Dejan Maletić, **Kosta Spasić** and Gordana Malović, Journal of Physics: Conference Series 356 (2012) 012001
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- 2) „Radial profile of the electron energy distribution function in RF capacitive gas-discharge plasma“, Miglena Dimitrova, Tsv. Popov, Nevena Puač, Nikola Škoro, **Kosta Spasić**, Gordana Malović, Francisco M. Dias and Zoran Lj. Petrović, Journal of Physics: Conference Series 700 (2016) 012007
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2 Радови у врхунским међународним часописима M21

- 1) „Plasma properties in a large-volume, cylindrical and asymmetric radio-frequency capacitively coupled industrial-prototype reactor“, Saša Lazović, Nevena Puač, **Kosta Spasić**, Gordana Malović, Uroš Cvelbar, Miran Mozetič, Maja Radetić and Zoran Lj Petrović, Journal of Physics D: Applied Physics. 46 (2013) 075201 (8pp),
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- 2) „Activity of catalase enzyme in Paulownia tomentosa seeds during the process of germination after treatments with low pressure plasma and plasma activated water“, Nevena Puač, Nikola Škoro, **Kosta Spasić**, Suzana Živković, Milica Milutinović, Gordana Malović and Zoran Lj. Petrović, Plasma Processes and Polymers 2017,1700082;
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- 3) „Plasma treated polyethylene terephthalate for increased embedment of UV-responsive microcapsules“, Marija Gorjanc, Miran Mozetič, Gregor Primc, Alenka Vesel, **Kosta Spasić**, Nevena Puač, Zoran Lj. Petrović and Mateja Kerta, Applied Surface Science 419 (2017) 224–234;
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3 Радови у истакнутим међународним часописима M22

- 1) „Application of Fragrance Microcapsules onto Cotton Fabric after Treatment with Oxygen and Nitrogen Plasma“, Mateja Kert, Petra Forte Tavčer, Aleš Hladnik, **Kosta Spasić**, Nevena Puač, Zoran Lj. Petrović and Marija Gorjanc, Coatings, 2021, 11, 1181
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4 Радови у међународним часописима M23

- 1) „Helium atmospheric pressure plasma jet parameters and their influence on bacteria deactivation in a medium“, Andrea Jurov, Nikola Škoro, **Kosta Spasić**, Martina Modic, Nataša Hojnik, Danijela Vujošević, Milena Đurović. Zoran Lj. Petrović, Uroš Cvelbar, The European Physical Journal D, 76(2), pp.1-11
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5 Саопштења са међународних конференција штампана у целини M31

- 1) Z.Lj. Petrović, N. Puač, D. Marić, D. Maletić, **K. Spasić**, N. Škoro, J. Sivoš, S. Lazović, G. Malović, “ Development of Biomedical Applications of Nonequilibrium Plasmas and Possibilities for Atmospheric Pressure Nanotechnology Applications“, PROC. 28th International Conference On Microelectronics (MIEL 2012), Niš, Serbia, 13-16 May, 2012
- 2) S. Lazović, **K. Spasić**, N. Puač, G. Malović, U. Cvelbar, M. Mozetič, Z. Lj. Petrović, „Spatial profiles of atomic oxygen concentrations in a large scale CCP reactor“, ESCAMPIG XXI, Viana do Castelo, Portugal, July 10-14 2012
- 3) **Kosta Spasić**, Saša Lazović, Nevena Puač, Zoran Lj Petrović, Gordana Malović, Miran Mozetič and Uroš Cvelbar, „Catalytic probe measurements of atomic oxygen concentration in large volume oxygen CCP“ 26th SPIG, Zrenjanin, Serbia, August 27-31 2012
- 4) Saša Lazović, Nevena Puač, **Kosta Spasić**, Gordana Malović, Uroš Cvelbar, Miran Mozetič and Zoran Lj. Petrović, “Diagnostics of a large scale CCP reactor suitable for textile treatments”, 4th ICAPT, Strunjan, Slovenia, EU, September 9-13 2011
- 5) S. Lazović, N. Puač, **K. Spasić**, G. Malović, U. Cvelbar, M. Mozetič, Z. Lj. Petrović, „Measurements of atomic oxygen concentrations in a large scale asymmetric capacitively coupled plasma reactor by using catalytic probes“, 30th ICPIG, August 28th – September 2nd 2011, Belfast, Northern Ireland, UK
- 6) **K. Spasić**, N. Škoro, N. Puač, G. Malović and Z. Lj. Petrović, „Reactive species production in oxygen low-pressure RF plasma suitable for treatment of sensitive surfaces“, 3rd CEAMPP, August 25th 2013, Belgrade, Serbia
- 7) I. Filatova, V. Azharonok, V. Lushkevich, A. Zhukovsky, **K. Spasić**, S. Živković, N. Puač, S. Lazović, G. Malović and Z.Lj.Petrović, „Plasma seeds treatment as a promising technique for seed germination improvement“, 31st ICPIG, 14-19 July 2013, Granada, Spain
- 8) N. Škoro, **K. Spasić**, N. Puač, G. Malović AND Z. Lj. Petrović, „Diagnostics of low-pressure rf oxygen plasma suitable for treatment of sensitive surfaces“, 20th International Conference on Gas Discharges and their Applications, 6th - 11th July 2014, Orleans, France
- 9) **K. Spasić**, N. Škoro, N. Puač, G. Malović, Z. Lj. Petrović, „Ion energy distribution and line intensities in asymmetrical oxygen rf discharge“, 27th Summer School and International Symposium on the Physics of Ionized Gases (SPIG 2014), August 26th – 29th 2014, Belgrade, Serbia

- 10) **K. Spasić**, N. Puač, N. Škoro, G. Malović and Z.Lj. Petrović, „Characterization of a large volume oxygen RF discharge suitable for low-pressure treatment of sensitive samples“, 32nd ICPIG, July 26th-31st, 2015, Iași, Romania
- 11) **Spasić Kosta**, Škoro Nikola, Puač Nevena, Malović Gordana, and Petrović Lj Zoran, "Production of active oxygen species in low pressure CCP used for sterilization of commercial seeds." 2015 IEEE International Conference on Plasma Sciences (ICOPS). IEEE, 2015, may 24-28, Belek, Antalya, Turkey
- 12) **Kosta Spasić**, Nevena Puač, Gordana Malović and Zoran Lj Petrović, „Effects of power transfer efficiency and grounded electrode surface on creation of O and O₂ excited species in low pressure plasmas“, 24th International Symposium on Plasma Chemistry (ISPC), Naples, Italy, June 9-14 2019

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- 2) Saša Lazović, Nevena Puač, **Kosta Spasić**, Gordana Malović and Zoran Lj. Petrović, „Characterization of a large scale RF CCP reactor using Langmuir and derivative probes“, 20th ISPC, Philadelphia, USA, July 24-29, 2011
- 3) Saša Lazović, Nevena Puač, **Kosta Spasić**, Gordana Malović, Zoran Lj. Petrović, Uroš Cvelbar, Miran Mozetič, „Probe diagnostics of a large scale asymmetric capacitively coupled plasma reactor“, 18th International scientific meeting on vacuum science and techniques, Bohinjско Jezero, Slovenia, EU, June 2-3 2011
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- 5) **K. Spasić**, N. Škoro, N. Puač, G. Malović and Z. Lj. Petrović, „Atomic species produced in large scale oxygen plasma used for treatments of sensitive materials“, 66th Annual Gaseous Electronics Conference, Princeton, New Jersey, USA September 30 - October 4, 2013.
- 6) N. Puač, **K. Spasić**, N. Škoro, M. Gorjanc, G. Malović and Z Lj Petrović, “Optical Emission Diagnostics of N₂ plasma used for textile pretreatment”, ESCAMPIG XXIII, Bratislava, Slovakia, July 12-16, 2016
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- 8) Z.Lj. Petrović, N. Puač, G. Malović, N. Selaković, **K. Spasić**, D. Maletić, S. Živković, „Diagnostics of atmospheric pressure plasma jets and plasma needle and their application in biology and medicine“, GEM 2016, Geelong, Australia, February 14-17, 2016.
- 9) N. Puač, N. Škoro, **K. Spasić**, S. Živković P, M. Milutinović, V. Šašić G. Malović and Z.Lj. Petrović, “Activity of catalase enzyme in *P. tomentosa* seeds after direct plasma treatments and treatments with plasma activated water”, XXXIII ICPIG, July 9-14, 2017, Estoril/Lisbon, Portugal
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- 12) **K Spasić**, N Škoro, N Puač, G Malović, Z Lj. Petrović, “Volume Scaling in Production of Active Oxygen Species in an Asymmetrical Plasma Reactor”, GD2018, september 2-7, 2018, Novi Sad, Serbia