

Примљено, 08.02.2023.			
ОРГ. ЈЕД	Б р о ј	Прилог	Вредност
01	37/7		

На основу члана 121 Статута ПМФ-а одређени смо одлуком декана бр. 202/2-01 за чланове комисије за категоризацију радова M21A, M21, M22 и M23 пријављених кандидата за избор наставника. На основу приложене документације подносимо следећи извештај

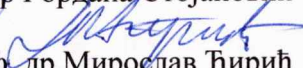
Кандидат	Бр.радова M21A	Бр.радова M21	Бр.радова M22	Бр.радова M23	Укупно поена
Гоцић Саша	1	10	6	5	135

У прилогу се налазе бодовани радови.

У Нишу, 08. фебруар 2023.


Проф. др Иван Манчев


Проф. др Гордана Стојановић


Проф. др Мирослав Ћирић

Рад у међународном часопису изузетних вредности (M21a)

1. **S. Gocić**, N. Škoro, D. Marić and Z. Lj. Petrović, "Influence of the cathode surface conditions on V – A characteristics in low-pressure nitrogen discharge", *Plasma Sources Sci. Technol.* **23** (2014) 035003 (9pp)
<http://dx.doi.org/10.1088/0963-0252/23/3/035003>

Радови објављени у врхунским међународним часописима (M21)

1. Z. Lj. Petrović, V. Lj. Marković, M. M. Pejović and **S. R. Gocić**, "Memory effects in the afterglow: open questions on long-lived species and the role of surface processes", *J. Phys. D: Appl. Phys.* **34** (2001) 1756-1768.
<http://iopscience.iop.org/article/10.1088/0022-3727/34/12/302>
DOI: 10.1088/0022-3727/34/12/302
2. V. Lj. Marković, **S. R. Gocić**, S. N. Stamenković and Z. Lj. Petrović, "Study of relaxation kinetics in argon afterglow by the breakdown time delay measurements", *Phys. Plasmas* **12** (2005) 073502.
<https://doi.org/10.1063/1.1942499>
3. V. Lj. Marković, **S. R. Gocić** and S. N. Stamenković, "New distributions of the statistical time delay of electrical breakdown in nitrogen", *J. Phys. D: Appl. Phys.* **39** (2006) 3317-3322.
<http://dx.doi.org/10.1088/0022-3727/39/15/014>
4. V. Lj. Marković, S. N. Stamenković, **S. R. Gocić** and Z. Lj. Petrović, "Experiment for measurements of the gas breakdown statistics by ramp voltage pulses", *Rev. Sci. Instruments* **77** (2006) 096104.
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5. V. Lj. Marković, **S. R. Gocić**, S. N. Stamenković and Z. Lj. Petrović, "Metastable and charged particle decay in neon afterglow studied by the breakdown time delay measurements", *Phys. Plasmas* **14** (2007) 103504.
<https://doi.org/10.1063/1.2779279>
6. V. Lj. Marković, **S. R. Gocić** and S. N. Stamenković, "Fluctuations and correlations of the formative and statistical time delay in neon", *J. Phys. D: Appl. Phys.* **42** (2009) 015207.
<http://dx.doi.org/10.1088/0022-3727/42/1/015207>
7. **S. R. Gocić**, V. Lj. Marković and S. N. Stamenković, "Determination of correlation coefficient of the statistical and formative time delay in nitrogen", *J. Phys. D: Appl. Phys.* **42** (2009) 212001.
<http://dx.doi.org/10.1088/0022-3727/42/21/212001>
8. V. Lj. Marković, **S. R. Gocić** and S. N. Stamenković, "Breakdown probability of neon under the influence of field electron emission and surface charges on the cathode surface", *App. Phys. Letters* **96** (2010) 061501.
<https://doi.org/10.1063/1.3310020>
9. S. N. Stamenković, **S. R. Gocić**, V. Lj. Marković and A. P. Jovanović, "Multi-component non-stationary exponential distributions of the breakdown voltages and time delays in neon ramp breakdown experiments", *J. Appl. Phys.* **110** (2011) 103304.
<https://doi.org/10.1063/1.3660687>
10. Ž. Mladenović, S. Gocić, D. Marić, Z. Lj. Petrović, "Influence of space charge density on electron energy distribution function and on composition of atmospheric pressure He/O₂/air plasmas", *Eur. Phys. J. Plus* (2018) 133: 344,
<https://doi.org/10.1140/epjp/i2018-12187-6>

Радови објављени у истакнутим међународним часописима (M22)

1. V. Lj. Marković, S. N. Stamenković and **S. R. Gocić**, "Formative time delay in nitrogen discharges at low pressure", *Contrib. Plasma Phys.* **47**, No. 6 (2007) 413-420.

<https://doi.org/10.1002/ctpp.200710054>

2. V. Lj. Marković, S. N. Stamenković, **S. R. Gocić** and Z. Lj. Petrović, "Stochastic and relaxation processes in argon by measurements of dynamic breakdown voltages", *Contrib. Plasma Phys.* **45** (2005) 476-484.

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3. V. Lj. Marković, S. N. Stamenković, **S. R. Gocić** and S. M. Đurić, "Determination and modelling of the formative and statistical time delay in neon", *Eur. Phys. J AP* **38** (2007) 73-78.

<https://doi.org/10.1051/epjap:2007051>

4. V. Lj. Marković, S. N. Stamenković and **S. R. Gocić** "Empirical and semiempirical models of the formative time delay in nitrogen", *Can. J. Phys.* **86** (7) (2008) 947-951.

<https://doi.org/10.1139/p08-028>

5. S. N. Stamenković, V. Lj. Marković, **S. R. Gocić** and A. P. Jovanović, "Influence of different cathode surfaces on the breakdown time delay in neon DC glow discharge" *Vacuum* **89** (2013) 62-66.

<https://doi.org/10.1016/j.vacuum.2012.09.010>

6. Željko Mladenović, Saša Gocić, "Influence of air and water vapor on EEDF, plasma parameters, and the main RONS in atmospheric pressure low temperature helium plasmas: Global model approach", *Physics of Plasmas*, **29** (2022) 103504,

<https://doi.org/10.1063/5.0110151>

Радови објављени у међународним часописима (M23)

1. V. Lj. Marković, **S. R. Gocić** and M. K. Radović, "Breakdown probability and influence on breakdown delay", Eur. Phys. J. AP **6** (1999) 303-307.

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2. V. Lj. Marković, **S. R. Gocić**, S. N. Stamenković, Z. Lj. Petrović and M. Radmilović, "Determination of effective electron yield from swarm and time delay measurements", Eur. Phys. J. AP **14** (2001) 171-176.

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3. V. Lj. Marković, **S. R. Gocić**, S. N. Stamenković and Z. Lj. Petrović, "Study of transient processes in nitrogen by measurements of dynamic breakdown voltages", Eur. Phys. J AP **30** (2005) 51-56.

<https://doi.org/10.1051/epjap:2005002>

4. S. N. Stamenković, V. Lj. Marković and **S. R. Gocić**, "Comparative study of empirical and semiempirical models of the formative time delay in neon", Eur. Phys. J AP **45** (2009) 11003.

<https://doi.org/10.1051/epjap:2008200>

5. **Saša Gocić**, Željko Mladenović, Global model simulation of OH production in pulsed DC-atmospheric pressure helium-air plasma jets, Open Phys. **16** (2018) 375–382.

<https://doi.org/10.1515/phys-2018-0051>