

**Б. Списък на публикациите за участие в конкурса за доцент
на гл. ас. д-р Снежана Йорданова**

Публикациите са подредени в реда на включването им в авторската справка за приносния характер на трудовете, с които участвам в конкурса за доцент. Публикации [1-5, 8-10, 20] са включени в дисертацията ми за образователна и научна степен "доктор".

1. V. Gagov, S. Iordanova and I. Koleva
"Spectral diagnostics of discharges sustained by propagating surface waves in an Ar-He gas mixture"
Meetings in Phys. at University of Sofia (2004) 40–44.
2. S. Iordanova and I. Koleva
"A spectroscopy method for plasma diagnostics of argon-helium gas mixture at low pressure"
Meetings in Phys. at University of Sofia (2005) 31–37.
3. S. Iordanova and I. Koleva
"Optical emission spectroscopy diagnostics of inductively-driven plasmas in argon gas at low pressures"
Spectrochim. Acta Part B (2007) **62**, 344–356.
4. S. Iordanova and I. Koleva
"Mode operation of inductively-coupled argon plasmas studied by optical emission spectroscopy"
J. Phys.: Conf. Series (2007) **63**, 12026 (6pp).
5. D. L. Crintea, U. Czarnetzki, S. Iordanova, I. Koleva and D. Luddenhöscher
"Plasma diagnostics by optical emission spectroscopy on argon and comparison with Thomson scattering"
J. Phys. D: Appl. Phys. (2009) 45208 (11pp).
6. Zh. Kiss'ovski, V. Vachkov, S. Iordanova and I. Koleva
"Microwave discharge in a finite length vessel"
J. Phys.: Conf. Series (2012) **356**, 012009 (4pp).
7. Zh. Kisoovski, V. Vachkov, S. Iordanova and I. Koleva
"Plasma parameters of a small surface-wave discharge at atmospheric pressure obtained by line-ratio method"
J. Phys.D: Appl. Phys. (2011) **44**, 205203 (5pp).
8. S. Iordanova
"Spectroscopic temperature measurements in hydrogen inductively-driven plasmas at low pressures"
J. Phys.: Conf. Series (2008) **113**, 12005 (5pp).
9. S. Iordanova, I. Koleva and Ts. Paunskа
"Hydrogen degree of dissociation in a low pressure tandem plasma source"

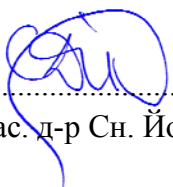
- Spectroscopy Letters* (2011) **44**, 8–16.
10. S. Iordanova, E. Kostov and Ts. Paunskas
"Determination of the degree of dissociation of hydrogen discharges in a tandem type plasma source"
36th EPS Conference on Plasma Physics (2009) 1–4.
 11. S. Iordanova and A. Pashov
"Spectral diagnostics based on Doppler-broadened H_{α} line shape in a single element of a matrix source"
Fourth International Symposium on Negative Ions, Beams and Sources (NIBS 2014)
AIP Conf. Proc. (2015) **1655**, 40012–40020.
 12. S. Iordanova, Ts. Paunskas and A. Pashov
"Spectroscopic study of neutral species in a planar-coil inductive discharge in hydrogen"
J. Phys D: Appl. Phys. (2015) **48**, 485204–485214.
 13. S. Iordanova and Ts. Paunskas
"A collisional radiative model of hydrogen plasmas developed for diagnostic purposes of negative ion sources"
16th International Conference on Ion Sources (ICIS 2015)
Rev. Sci. Instrum. (2016) **87**, 2110–2113.
 14. St. Lishev, A. Shivarova, Kh. Tarnev, S. Iordanova, I. Koleva, Ts. Paunskas and D. Iordanov
"On the two modes of operation of planar-coil-driven inductive discharges in hydrogen"
J. Phys D: Appl. Phys. (2013) **46**, 165204 (10pp).
 15. S. Iordanova, St. Lishev and A. Pashov
"Spectral diagnostics on the two modes of operation of inductive discharges based on Doppler-broadened H_{α} line shape"
BPU10-10th Jubilee Conference of Balkan Physical Union
AIP Conf. Proc. (2018), в печат.
 16. S. Iordanova, Ts. Paunskas, A. Pashov and St. Lishev
"Experimental and theoretical study on the formation of hybrid discharge structure in a compact rf-driven negative hydrogen ion source"
J. Phys. D: Appl. Phys., в печат.
 17. I. Bozhinova, S. Iordanova and A. Pashov
"Investigation of the hydrogen neutrals in discharge source used for production of metal hydrides"
J. Phys.: Conf. Series (2016) **700**, 012002 (6pp).
 18. I. Bozhinova, S. Iordanova and A. Pashov
"Analysis of H_{α} spectral line profile on a DC hydrogen discharge"
J. Phys. D: Appl. Phys. (2016) **49**, 475201 (8pp).
 19. A. Avramova-Boncheva, S. Iordanova, Ts. Tolev and A. Pashov
"Spectroscopic study of neutral species in a pulse hydrogen discharge"
BPU10-10th Jubilee Conference of Balkan Physical Union
AIP Conf. Proc. (2018), в печат.

20. I. Djermanov, S. Iordanova and I. Koleva
"Spectrograph coupled with CCD Module for high resolution spectroscopy measurements"
J. Phys.: Conf. Series (2007) **63**, 012029 (6pp).
21. R. Draganova-Hristova and S. Iordanova
"Open lesson in physics "The world of colour" – an alternative for teaching physics"
BPU10-10th Jubilee Conference of Balkan Physical Union
AIP Conf. Proc. (2018), в печат.
22. M. Dragomirova and S. Iordanova
"Unusual prevalence of color vision defects in children from a small Bulgarian town"
Annual of Sofia University "St. Kliment Ohridski" (2018) **111**, в печат.

Отчитане на публикациите съгласно "Препоръчителните изисквания към кандидатите за придобиване на научните степени и заемане на академичните длъжности във Физическия факултет на СУ "Св. Климент Охридски"":

- i. Публикации [3, 7, 9, 12, 14, 16, 18] са в реномирани международни списания с импакт-фактор, в които има експериментални резултати получени в България и/или с апаратура изработена в България и са отчитани с коефициент 1.5.
- ii. Публикация [5] е в реномирано международно списание с импакт-фактор, но експериментът е проведен в чужбина, поради което е отчетена с коефициент 1.
- iii. Публикация [13] представлява доклад публикуван в пълен текст на международна конференция в реномирано списание с импакт-фактор и е отчетена с коефициент 0.7.
- iv. Публикация [22] е в реномирано национално списание (Годишник на СУ) и е отчетена с коефициент 0.5.

11.09.2018 г.
София


.....
/гл. ас. д-р Сн. Йорданова/