

## СПИСЪК НА ПУБЛИКАЦИИТЕ И УЧАСТИЯ В НАУЧНИ ФОРУМИ

### Участия в научни национални и международни семинари и конференции:

1. E. Benova, M. Pencheva, **P. Marinova**, K. Pavlov, *The effect of electron–neutral collision frequency on surface-wave-sustained argon plasma*, 4<sup>th</sup> International Workshop & Summer School on Plasma Physics 26 June – 2 July 2010, Kiten, Bulgaria – **постер**
2. Kaloyan Pavlov, M. Pencheva, **P. Marinova**, E. Benova, *Axial distribution of gas discharge characteristics in surface-wave-sustained argon plasma column at various gas pressures*, 4<sup>th</sup> International Workshop & Summer School on Plasma Physics 26 June – 2 July 2010, Kiten, Bulgaria – **устен доклад (съавтор)**
3. Пламена Маринова, Евгения Бенова, *Влияние на честотата на удари електрони–неутрали върху модел на аргонова плазма, създадена от повърхнинна вълна*, 2010, (семинар на БАН) – **устен доклад**
4. **P. Marinova**, M. Pencheva, E. Benova, *Modelling of surface-wave-sustained Argon plasma torch*, 17<sup>th</sup> International Summer School on Vacuum, Electron and Ion Technologies, 19 - 23 September 2011, Sunny Beach, Bulgaria – **постер**
5. 16th European Summer School “Low Temperature Plasma Physics: Basics and Applications”, October 8-13, 2011, Bad Honnef, Germany
6. Plasma Diagnostics course in EPFL, 30 January – 3 February 2012, Lausanne, Switzerland
7. Summer Training Course 2012, Prague, Czech Republic – *Characterization of D-shape plasma with Langmuir probes*
8. **P. Marinova**, M. Atanasova, E. Benova, *Effect of gas discharge conditions on atmospheric pressure argon surface-wave-sustained plasma*, 5<sup>th</sup> International Workshop & Summer School on Plasma Physics, 25 - 30 June 2012, Kiten, Bulgaria – **устен доклад**
9. Summer Training Course, 2013, Prague, Czech Republic – *First results from Langmuir probes embedded in the HFS limiter of COMPASS tokamak*
10. Втора национална студентска научна сесия по физика и инженерни технологии, Пловдив, 2013

11. Remote Plasma physics course oriented on experimental tokamak physics and control 2012, Golem tokamak, Prague, Czech Republic – *Probe measurements on GOLEM*
12. P. Marinova, V. Marchev, M. Pencheva, E. Benova, *Modelling of Surface-Wave-Sustained Argon Plasma Column*, 18<sup>th</sup> International Summer School on Vacuum, Electron and Ion Technologies, 7 – 11 October 2013, Sozopol, Bulgaria – **устен доклад**
13. **P. Marinova**, M. Atanasova, E. Benova, *Atmospheric Surface-Wave-Sustained Argon Plasma Kinetics*, International Conference “The Physics of Low Temperature Plasma”, 20 – 23 May 2014, Kazan, Russia – **постер**
14. **P. Marinova**, M. Atanasova, E. Benova, *Atmospheric surface-wave-sustained argon plasma kinetics*, 6<sup>th</sup> International Workshop & Summer School on Plasma Physics, 90 June – 6 July 2014, Kiten, Bulgaira – **устен доклад**
15. **P. Marinova**, M. Atanasova, E. Benova, *Effect of Gas Discharge Conditions on Argon Surface-Wave-Sustained Plasma Torch*, International FOR1123-Workshop "Young Professionals in Microplasma Research", 24 – 26 November 2014, Bochum, Germany – **устен доклад**
16. Summer Training Course 2015, Prague, Czech Republic – *Effect of the Resonant Magnetic Perturbation on the Plasma Parameters in Divertor Region of the COMPASS Tokamak*
17. FuseNet PhD Event 2015, Prague, Czech Republic – *Effect of the Resonant Magnetic Perturbation on the PlasmaParameters in Divertor Region of the COMPASS Tokamak*
18. **P. Marinova**, M. Atanasova, E. Benova, *Heavy particles and rate coefficients in HF and MW discharges in Argon at atmospheric pressure* – 22<sup>nd</sup> International Symposium on Plasma Chemistry, 5 – 11 July 2015, Antwerp, Belgium – **постер и публикация в пълен текст**
19. **P. Marinova**, M. Atanasova, E. Benova, *Effect of gas discharge conditions on argon surface-wave-sustained plasma torch kinetics* – XXXII International Conference on Phenomena in Ionized Gases, 26 – 31 July 2015, Iasi, Romania – **постер и публикация в пълен текст**
20. **P. Marinova**, M. Atanasova, E. Benova, *Reaction kinetics, heavy particles and rate coefficients in HF and MW discharges in argon at atmospheric pressure* – 19<sup>th</sup> International Summer School on Vacuum, Electron and Ion Technologies, 21 – 25 September 2015 г., Sozopol, Bulgaria – **устен доклад**

21. **P. Marinova**, M. Atanasova, E. Benova, *Theoretical Investigation of Argon Surface-Wave-Sustained Plasma Torch at Atmospheric Pressure* – 14th International Conference on Global Research and Education, Inter-Academia, 27 – 30 септември 2015 г., в Хамамацу, Япония – **постер и усден доклад**
  
22. 13<sup>th</sup> International Summer Training Course (SUMTRAIC) on Experimental Plasma Physics, 22 August – 5 September 2015, Prague, Czech Republic , *Effect of the Resonant Magnetic Perturbation on the Plasma Parameters in Divertor Region of the COMPASS Tokamak*
  
23. FuseNet PhD Event 2015, *Effect of the Resonant Magnetic Perturbation on the Plasma Parameters in Divertor Region of the COMPASS Tokamak*, 14–18 November 2015, Prague, Czech Republic – **постер**
  
24. **P. Marinova**, M. Pencheva, M. Zhekova, E. Benova, *Theoretical and Experimental Investigation of Various Configurations of Surface-Wave-Sustained Plasma in Contact With Liquids*, The International Conference on Electrical Discharges with Liquids, 14 – 16 March 2016 г., Kocaeli, Turkey – **постер**
  
25. **Plamena Marinova**, Maya Zhekova, Mariana Atanasova, Evgenia Benova, Frantisek Krcma, Lukas Dostal, *Experimental Investigation of Surface-Wave-Sustained Plasma With Liquids*, 7<sup>th</sup> International Workshop & Summer School on Plasma Physics 26 June – 2 July 2016, Китен, България – **постер**
  
26. Evgenia Benova, Yana Topalova, **Plamena Marinova**, Yovana Todorova, Mariana Atanasova, Todor Bogdanov, Ivaylo Yotinov, Frantisek Krcma, Lukas Dostal, *Surface-Wave-Sustained Plasma Torch for Biomedical Applications*, 7th International Workshop & Summer School on Plasma Physics, 26 June – 2 July 2016, Китен, Bulgaria – **поканен доклад**
  
27. **P. Marinova**, M. Pencheva, E. Benova, *Surface-Wave-Sustained Plasma Torch*, 3rd Training School: Advanced Diagnostics of Discharges with Liquids and Plasma Treated Liquid Phase in frame of COST TD1208: Electrical discharges with liquids for future applications, 24 - 28 September 2016, Zemun-Belgrade, Serbia - **усден доклад**
  
28. **P. Marinova**, E. Benova, Y. Topalova, Y. Todorova, M. Atanasova, T. Bogdanov, I. Yotinov, F. Krcma, *Surface-Wave-Sustained Plasma Torch For Water Treatment*, 21st

Symposium on Application of Plasma Processes (SAPP XXI), Štrbské Pleso, Slovakia  
13 – 18 January 2017 – **устен доклад**

29. **P. Marinova**, E. Benova, Y. Topalova, Y. Todorova, M. Atanasova, I. Yotinov, F. Krcma, *Surface-wave-sustained plasma torch for biomedical applications*, International Conference on Plasmas with Liquids (ICPL 2017) final meeting of the COST Action TD1208, Prague, Czech Republic, 5 - 9 March 2017 - **постер**
30. **P. Marinova**, E. Benova, Y. Topalova, Y. Todorova, M. Zhekova, Ivaylo Yotinov, F. Krcma, *Cold Argon Plasma Torch For Water Treatment*, International Conference “The Physics of Low Temperature Plasma” (PLTP-2017), Kazan, Russian Federation, 5 – 9 June, 2017 - **постер**

#### **Посещения в други научни центрове и университети:**

1. Student visit in the frame of CEEPUS III network program at Brno University of Thechnology, Brno, Czech Republic, April – May 2013, Applications and diagnostics of electric plasmas
2. Student visit in the frame of COST Action TD1208 Electrical Discharges with Liquids for Future Applications at Brno University of Thechnology, Brno, Czech Republic – 28.3.2016 – 30.4.2016, тема: *Experimental investigation of surface-wave-sustained plasma with liquids*
3. Student visit in the frame of COST Action TD1208 Electrical Discharges with Liquids for Future Applications at Brno University of Thechnology, Brno, Czech Republic – 23.1.2017 – 30.3.2017, тема: *Experimental investigation of surface-wave-sustained plasma with liquids*

## Публикувани:

1. E. Benova, P. Marinova, V. Marchev, M. Atanasova, Tz. Petrova Effect of gas discharge conditions on argon surface-wave-sustained plasma kinetics  
  
In: *Proc. ESCAMPIG XXI, Viana do Castelo, Portugal, July 10-14 2012*
2. E. Benova, M. Pencheva-Atanasova, P. Marinova, V. Marchev, T. Petrova Modelling of Argon plasma torch  
  
In: *31st ICPIG, July 14-19, 2013, Granada, Spain, PS2-056*
3. M. Atanasova, P. Marinova, T. Bogdanov, Tz. Petrova and E. Benova, Argon kinetics in microwave atmospheric pressure discharges,  
  
In: *ESCAMPIG XXII, Greifswald, Germany, July 15-19, 2014*
4. P. Marinova, M. Atanasova, E. Benova, Heavy particles and rate coefficients in HF and MW discharges in Argon at atmospheric pressure,  
  
In: *22nd International Symposium on Plasma Chemistry, 5-11 July 2015, Antwerp, Belgium*
5. P. Marinova, M. Atanasova, E. Benova, Effect of gas discharge conditions on argon surface-wave-sustained plasma torch kinetics,  
  
In: *XXXII International Conference on Phenomena in Ionized Gases, 26th– 31st July 2015, Iasi, Romania*
6. M. Atanasova, P. Marinova, J. J. A. M. van der Mullen, E. Benova, *The reaction kinetics of atmospheric pressure MW plasmas*  
  
In *Proc. 32<sup>nd</sup> ICPIG, July 26-31, 2015, Iași, Romania*
7. E. Benova, M. Atanasova, P. Marinova  
  
Effect of dielectric tube thickness and permittivity on microwave plasma sustained by traveling wave  
  
In *Microwave Discharges: Fundamentals and Applications*, ed. A. Gamero, 7-11 September 2015, Cordoba, Spain

8. E. Benova, Y. Topalova, **P. Marinova**, Y. Todorova, M. Atanasova, Todor Bogdanov, Ivaylo Yotinov, Frantisek Krcma, Lukas Dostal

Surface-Wave-Sustained Plasma Torch for Biomedical Applications

In: *7th International Workshop & Summer School on Plasma Physics*, 26 June – 2 July 2016, Kiten, Bulgaria

9. P. Marinova, E. Benova, Y. Topalova, Y. Todorova, M. Atanasova, T. Bogdanov, I. Yotinov, F. Krcma, *Surface-Wave-Sustained Plasma Torch For Water Treatment*, In: *Book of Contributed Papers, 21st Symposium on Application of Plasma Processes (SAPP XXI)*, 13 – 18 January 2017, Štrbské Pleso, Slovakia

10. E. Benova, M. Atanasova, T. Bogdanov, P. Marinova, F. Krcma, V. Mazankova, Microwave plasma torch at water surface, *Plasma medicine* 6(1), 2016, pp. 59-65, DOI: 10.1615/PlasmaMed.2016015862

11. P. Marinova, E. Benova, Y. Topalova, Y. Todorova, M. Atanasova, I. Yotinov and F. Krcma, Surface-wave-sustained plasma torch for water treatment *Journal of Physics Conf. Series*

12. V. Svoboda, A. Dvornova, R. Dejarnac, M. Prochazka, S. Zaprianov, R. Akhmetanov, M. Bogdanova, M. Dimitrova, Zh. Dimitrov, O. Grover, L. Hlavata, K. Ivanov, K. Kruglov, **P. Marinova**, P. Masherov, A. Mogulkin, J. Mlynar, J. Stockel, A. Volynets *Remote operation of the GOLEM tokamak with hydrogen and helium plasmas*. 2016 *J. Phys.: Conf. Ser.* 768 012002