



dr Saša Lazović

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EDUCATION

- 2010 Ph.D. Faculty of Physics and Laboratory for Gaseous Electronics at the Institute of Physics, University of Belgrade, Republic of Serbia
Thesis: *"Diagnostics of radiofrequency plasma sources and their applications in treatments of biomedical samples"*
Advisors: Dr Nevena Puač and Prof. Zoran Lj. Petrović
Publications: 6 SCI journal papers, 12 International conference papers
- 2006 B.S., Faculty of Physics and Laboratory for Gaseous Electronics at the Institute of Physics, University of Belgrade, Republic of Serbia
Thesis: *"Current-voltage characteristics of non-equilibrium radiofrequency discharge operating at atmospheric pressure"*
Advisors: Dr Nevena Puač and Prof. Zoran Lj. Petrović

PROFESSIONAL EXPERIENCE

- Postdoctoral researcher**, *Institute Jožef Stefan, Ljubljana, Slovenia* 2011.3–present
- Construction and development of low pressure plasma reactor (LF or RF CCP combined with surfatron) suitable for treatment of semiconductors, polymers and other materials
 - Diagnostics of low pressure plasma (mass spectrometry, electrical, optical and probe characterization of the discharge)
 - Surface characterization of plasma treated samples (XPS, AFM, SEM, TEM, etc.)
 - Biomedical applications of plasma treated materials

- Installation and operation of atmospheric pressure mass spectrometer – ion and neutral spectra measurement of different atmospheric pressure plasma sources
- Installation and operation of Hiden ESPION Langmuir probe system – measurements of electron and ion concentrations, electron temperature and electron energy distribution functions
- ICCD measurements of low pressure capacitively coupled plasma and atmospheric pressure plasmas
- Electrical characterization of plasma sources using derivative probes
- Treatment of biological samples using plasma needle
- Treatment of seeds, polymers, graphene and textiles using low pressure plasma