

dr Dragomir Stanisavljev
professor

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Education:

Graduated, 1984, Department for chemical and physicochemical sciences, Faculty of natural sciences, University of Belgrade.

Master of sciences, 1991, Faculty of physical chemistry, University of Belgrade.

PhD, 2000, Faculty of physical chemistry, University of Belgrade.

Employments:

1985-1993, assistant trainee, Faculty of physical chemistry, University of Belgrade

1993-2001, teaching assistant, Faculty of physical chemistry, University of Belgrade

2001-2006, Assistant professor, Faculty of physical chemistry, University of Belgrade

2006-2012, Associate professor, Faculty of physical chemistry, University of Belgrade

2012- , professor, Faculty of physical chemistry, University of Belgrade

Teaching courses:

Physical chemistry (For students of Faculty of chemistry, department of biochemistry) basic and integrated academic studies.

Chemical kinetics, (Basic academic studies)

Biophysical chemistry and dynamics of nonequilibrium processes (master academic studies)

Methods and methodology of physicochemical investigations (master academic studies)

Dynamics of nonlinear processes (master academic studies)

Nonequilibrium thermodynamics (master academic studies)

Thermodynamics with bioenergetics (Doctoral academic studies)

Methods of analyzing nonequilibrium processes) (Doctoral academic studies)

Fields of interests:

Investigations of complex chemical systems, Dynamics of halogen based chemical oscillators, Influence of external fields on the dynamics of chemical and biochemical processes, Dye sensitized solar cells.

Projects:

Domestic:

Till 1996, Project of Ministry for science of Republic of Serbia: SPEKTROHEMIJA FIZIČKOHEMIJSKIH PROCESA I STANJA, DINAMIKA SISTEMA. Project leader: dr Kiro Zmbov, Institute Vinča.

1996-2000 Project Ministry for science of Republic of Serbia: DINAMIKA, STABILNOST I SAMOORGANIZACIJA NERAVNOTEŽNIH SISTEMA. Project leader: dr Ljiljana Kolar-Anić, FFH.

2000-2005 Ministry for science of Republic of Serbia no. 1448: FIZIČKA HEMIJA DINAMIČKIH STANJA I STRUKTURA NERAVNOTEŽNIH SISTEMA - SAMOORGANIZACIJA MULTISTABILNOST I OSCILATORNOST. Project leader: dr Ljiljana Kolar-Anić, FFH.

2005 Project of Ministry for science and environmental protection no. TD 7084: PROIZVODNJA I PRIMENA ETIL ALKOHOLA KAO ENERGENATA. Project leader dr Borivoj Adnađević, FFH.

2005-2010 Project of Ministry for science of Republic of Serbia no. 142025: FIZIČKA HEMIJA DINAMIČKIH STANJA I STRUKTURA NERAVNOTEŽNIH SISTEMA → OD MONOTONE DO OSCILATORNE EVOLUCIJE I HAOSA. Project leader: dr Ljiljana Kolar-Anić, FFH.

2011- Project of Ministry for science and technological development no. 172015: DINAMIKA NELINEARNIH FIZIČKOHEMIJSKIH I BIOHEMIJSKIH SISTEMA SA MODELIRANJEM I PREDVIĐANJEM NJIHOVIH PONAŠANJA POD NERAVNOTEŽNIM USLOVIMA. Project leader dr Ljiljana Kolar-Anić, FFH.

International projects:

TEMPUS PROJECT no 1234-92/2: "NONLINEAR DYNAMICS IN CHEMISTRY AND BIOSCIENCES" 1992-93. Project leader: dr Ljiljana Kolar Anić, FFH.

OSCILLATORY PROCESSES AND SELFORGANISATION, Scientific Contract between Belgrade University and Moscow University M. V. Lomonosov, 2000-2010. Rukovodilac Project leader: dr Ljiljana Kolar-Anić and dr Čedomir Radenović, FFH.

DYNAMICS AND STATES OF THE SYSTEMS FAR FROM EQUILIBRIUM: OSCILLATORY PROCESSES, THE SYSTEM RESPONSE TO PERTURBATIONS, CONTAMINATION AND ADAPTATION OF THE SYSTEM, Scientific Contract between University in Belgrade and Moscow University M.V. Lomonosov (Department of Biology), 2000-2010. Project leaders: dr Ljiljana Kolar-Anić, dr Čedomir Radenović and dr Slobodan Anić,

Scientific associations:

Society of physical-chemists of Serbia
Serbian chemical society

Books:

1. Dragica Minić, **Dragomir Stanisavljev**, Nikola Cvjetičanin, Miroslav Kuzmanović, Ljubiša Ignjatović, Gordana Ćirić Marjanović, *Uvod u laboratorijski rad*, Fakultet za fizičku hemiju, Univerzitet u Beogradu, 2003, strana 211.

2. S. Anić, **D. Stanisavljev**, N. Vukelić, *Izabrana poglavlja fizičke hemije* (za studente hemije Hemijskog fakulteta u Beogradu), Fakultet za fizičku hemiju, Univerzitet u Beogradu, 2007, strana 433.

3. I. Holclajtner-Antunović, D. Minić, S. Anić, Lj. Ignjatović, R. Hercigonja, **D. Stanisavljev**, G. Ćirić-Marjanović, M. Ristić, I. Cekić, M. Daković, *Radna sveska iz fizičke hemije*, Fakultet za fizičku hemiju, Univerzitet u Beogradu, 2006 (prvo izdanje), strana 128.

Internship trainee:

1992 six months during "Tempus program" at Free University of Brussels, Department of Theoretical Physical Chemistry.

Some of published articles:

Dragomir R. Stanisavljev, Miroslav D. Dramićanin, EXCESSIVE EXCITATION OF HYDROGEN PEROXIDE DURING OSCILLATORY CHEMICAL EVOLUTION. *J. Phys. Chem. A*, 111(32), 2007, 7703-7706. [IF=2,918 (28/110, 2007)]

Dragomir R. Stanisavljev ENERGY DYNAMICS IN THE BRAY–LIEBHAFSKY OSCILLATORY REACTION, *J. Phys. Chem. A* (2010), 114, 725-729. [IF=2,899 (8/33, 2009)]

Marija R. Gizdavić-Nikolaidis, **Dragomir Stanisavljev**, Allan J. Easteal, Zoran D. Žujović, A RAPID AND FACILE SYNTHESIS OF NANOFIBRILLAR POLYANILINE USING MICROWAVE RADIATION, *Macromol. Rapid Communications*, 31, 2010, 657-661. [IF=4,263 (7/76, 2009)]

Marija R. Gizdavić-Nikolaidis, **Dragomir Stanisavljev**, Allan J. Easteal, Zoran D. Žujović, MICROWAVE ASSISTED SYNTHESIS OF FUNCTIONALIZED POLYANILINE NANOSTRUCTURES WITH ADVANCED ANTIOXIDANT PROPERTIES, *J. Phys. Chem. C*. 2010, 114, 18790-18796, [IF=4,224 (27/121, 2009)]

Dragomir R. Stanisavljev, Maja C. Milenković, Miloš D. Mojović, Ana D. Popović-Bijelić, A POTENTIAL SOURCE OF FREE RADICALS IN IODINE BASED CHEMICAL OSCILLATORS, *J. Phys. Chem. A*, 115, 2011, 2247-2249. [IF=2,732 (9/33, 2010)]

Dragomir R. Stanisavljev, Maja C. Milenković, Miloš D. Mojović, Ana D. Popović-Bijelić, OXYGEN CENTERED RADICALS IN IODINE CHEMICAL OSCILLATORS, *J. Phys. Chem. A*, 115, 2011, 7955-7958. [IF=2,732 (9/33, 2010)]

Dragomir R. Stanisavljev, Zoran Velikić, Dragan S. Veselinović, Nevena V. Jacić, Maja C. Milenković, Bray–Liebhafsky oscillatory reaction in the radiofrequency electromagnetic field, *Chemical Physics*, ISSN: 0301-0104, 2014, 441, 1–4 (M22, IF=2.028, (16/33, 2013))

Dragomir Stanisavljev Itana Nuša Bubanja Kristina Stevanovic, Determination of iodate ion in the presence of hydrogen peroxide with the stopped-flow technique, *Reac Kinet Mech Cat*, ISSN: 1878-5190, (2016) 118:143–151, DOI 10.1007/s11144-016-0977-x (M23 IF= 1.170, 109/139)

Dragomir Stanisavljev, Gordana Gojgić-Cvijović and Itana Nuša Bubanja, Scrutinizing microwave effects on glucose uptake in yeast cells, *European Biophysics Journal* ISSN: 0175-7571, 2017, 46, 1, pp 25–31, DOI: 10.1007/s00249-016-1131-4 (M23, IF=1.444, 57/72)