

Curriculum Vitae

PERSONAL DETAILS

Name: Dr Milica P. Marceta Kaninski
Academic Title: Research Professor
ORCID ID
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EDUCATION

- BSc in physical chemistry, 2001, Faculty of Physical-Chemistry, University of Belgrade
- MSc in physical chemistry, 2005, Faculty of Physical-Chemistry, University of Belgrade
- PhD in physical chemistry, 2009, Faculty of Physical-Chemistry, University of Belgrade
- Certified account and finance manager
- "FP7 & H2020 Master of Finance and Administration training" Europamedia

PROFESIONAL EXPERIENCE

- Member of the Scientific Committee for Materials and Chemical Technology at Ministry of Education and Science, Serbia (2017- to date).
- General Manager of the Vinca Institute of Nuclear Sciences – largest scientific institution in Balkan region comprised of 500 permanently employed researchers from multidisciplinary environment (2017 – 2019).
- Member of the Senate of the University of Belgrade (2017-2019).
- "Legal Entity Appointed Representative" (LEAR) Institute Vinca, in the implementation of projects with the European Commission (2016 -2019).
- Organizer of the joint CBRN postgraduate studies module at the Vinca Institute and Tor Vergata University, Rome, Italy (2016 - 2019).
- Head of the Department of the Physical Chemistry, Vinca Institute (2012-2017).
- Member of the Scientific Council of the Vinca Institute (2010-2016).
- Deputy Director of the Department for Physical Chemistry, Vinca Institute (2010-2012).
- Presiding over sections at several international conferences

SELECTED LIST OF PROJECTS:

Hydrogen energy – development of new materials: hydrogen production, PEM fuel cells“ project no. 172045, Ministry of Science of the Republic of Serbia- project manager
International project of bilateral cooperation between France and Serbia in „Pavle Savic’ programme: „Hydrogen Energy- Electrolytic production/Storage/Fuel cells/Isotope effects“,
The European Academy of Surface Technology (EAST) - "MINDE" (micro & nano deposition) "Marie Curie Actions, Human Resources and Mobility". Contract number: MSCF-CT-2004-56594
"The OREPOC (Origin of the Electrochemical Promotion of Catalysis), EFEOC “European Forum on Electrochemical Promotion of Catalysis”, „Marie Curie Training“, Contract number: MSCF-CT-2006-046201
FP7 Collaboration program, JTI FCH-JU, “Efficient Use of Resources in Energy Converting Applications”, Grant no. 303024 – project manager in Serbia
COST Action MP1407: Electrochemical processing methodologies and corrosion protection for device and systems miniaturization
Removing of PAH and other organic pollutants from concrete used for construction in residential and commercial buildings hit by chemical incident at more than 30.000 sqm. Development of methodology of decontamination and organization on decontamination work– project manager
Site investigation services related to full-sized project to implement an environmentally sound management and final disposal of pcbs in the Republic of Serbia, UNIDO Project No. 100313
Enhancing the Capacities of Educational Institutions for the Sustainable use of Nuclear Technologies, TCEU REGIONAL PROJECTS APPROVED FOR THE 2022-2023, IAEA - national coordinator

Language: English, German (basic)

Research field and area: Hydrogen Energy - Electrolytic production, Fuel cells, Environmental Pollution, CBRN detection and decontamination

10 MOST RELEVANT PUBLICATIONS:

In the period from 2005 to 2021, more than 50 scientific publications, quoted 1541 times, h-index 22, i10- index 33

1. Comparison of Pt and Pd anode catalysts supported on nanocrystalline Ru–SnO₂ for ethanol oxidation in fuel cell applications, Milica P Marčeta Kaninski, Zoran V Šaponjić, Mihajlo D Mudrinić, Dubravka S Milovanović, Boris M Rajčić, Aleksandra M Radulović, Vladimir M Nikolić, *International Journal of Hydrogen Energy* 77 (2021) 38270-38280
2. Non-stoichiometric tungsten-carbide-oxide-supported Pt–Ru anode catalysts for PEM fuel cells—From basic electrochemistry to fuel cell performance, Snezana M Brkovic, Milica P Marceta Kaninski, Petar Z Lausevic, Aleksandra B Saponjic, Aleksandra M Radulovic, Aleksandra A Rakic, Igor A Pasti, Vladimir M Nikolic, *International Journal of Hydrogen Energy* 27 (2020) 13929-13938
3. Pt/C catalyst impregnated with tungsten-oxide—Hydrogen oxidation reaction vs. CO tolerance, Snežana M Brković, Vladimir M Nikolić, Milica P Marčeta Kaninski, Igor A Pašti, *International Journal of Hydrogen Energy* 26 (2019) 13364-13372
4. Novel photochemical advanced oxidation process for the removal of polycyclic aromatic hydrocarbons from polluted concrete, Vladimir M Nikolić, Slavko D Karić, Željka M Nikolić, Miloš S Tošić, Gvozden S Tasić, Dubravka M Milovanovic, Milica P Marčeta Kaninski, *Chemical Engineering Journal* 312 (2017) 99-105
5. Validation and uncertainty estimation of UPLC-PDA method for the analysis of polycyclic aromatic hydrocarbons in concrete, Milica P. Marceta Kaninski Danka D. Acimovic, Zeljka M. Nikolic, Milos S. Tasic, Dubravka S. Milovanovic, Vladimir M. Nikolic, Tanja P. Brdaric, *Journal of Hazardous Materials* 325 (2017) 271-278
6. Improved HER activity of Ni and stainless steel electrodes activated by NiCoMo ionic activator—A combined DFT and experimental study, Sladjana Lj Maslovara, Dragana Vasić Aničijević, Mirjana Lj Kijevcanin, Ivona R Radovic, Vladimir M Nikolic, Petar Z Lausevic, Milica P Marceta Kaninski, *International Journal of Hydrogen Energy* 42 (2017) 5072-5082
7. Electrochemical oxidation of the polycyclic aromatic hydrocarbons in polluted concrete of the residential buildings, Danka D Aćimović, Slavko D Karić, Željka M Nikolić, Tanja P Brdarić, Gvozden S Tasić, Milica P Marčeta Kaninski, Vladimir M Nikolić, *Environmental Pollution* 220 (2017) 393-399
8. Kinetics of hydrogen evolution reaction in alkaline electrolysis on a Ni cathode in the presence of Ni–Co–Mo based ionic activators, Vladimir M Nikolic, Sladjana Lj Maslovara, Gvozden S Tasic, Tanja P Brdaric, Petar Z Lausevic, Bojan B Radak, Milica P Marceta Kaninski, *Applied Catalysis B: Environmental* 179 (2015) 88-94
9. Efficient hydrogen production using ternary Ni–Cu–Mo ionic activator, Ivana M Perovic, Danka D Acimovic, Gvozden S Tasić, Slavko D Karic, Petar Z Lausevic, Milica P Marčeta Kaninski, Vladimir M Nikolić, *International Journal of Hydrogen Energy* 19 (2015) 6270-6275
10. Electrocatalytic activity of ZnCoMo based ionic activators for alkaline hydrogen evolution—Part II, Snezana M Miulovic, Sladjana Lj Maslovara, Ivana M Perovic, Vladimir M Nikolic, Milica P Marceta Kaninski *Applied Catalysis A: General* 451 (2013) 220-226