# Vesna Mišković-Stanković

Professor

Faculty of Ecology and Environmental Protection
Union – Nikola Tesla University
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**EDUCATION**

| | |
|---|---|
| 1990. | PhD in Technical Sciences – Chemistry and Chemical Technology<br>University of Belgrade, Faculty of Technology and Metallurgy<br>Belgrade, Serbia |
| 1984. | MSc in Technical Sciences – Chemistry and Chemical Technology<br>University of Belgrade, Faculty of Technology and Metallurgy<br>Belgrade, Serbia |
| 1981. | BSc in Chemical Technology<br>University of Belgrade, Faculty of Technology and Metallurgy<br>Belgrade, Serbia |

**EMPLOYMENT HISTORY**

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|---|---|---|
| 2022–present | **Professor** | Union – Nikola Tesla University<br>Faculty of Ecology and Environmental Protection<br>Belgrade, Serbia |
| 2002 - 2022 | **Professor** | University of Belgrade<br>Faculty of Technology and Metallurgy<br>Belgrade, Serbia |
| 1997 - 2002 | **Associate Professor** | University of Belgrade<br>Faculty of Technology and Metallurgy<br>Belgrade, Serbia |
| 1992 -1997 | **Assistant Professor** | University of Belgrade<br>Faculty of Technology and Metallurgy<br>Belgrade, Serbia |
| 1987 - 1992 | **Teaching Assistant** | University of Belgrade |

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| | | Faculty of Technology and Metallurgy<br>Belgrade, Serbia |
| 1983 -1987 | **Assistant Trainee** | University of Belgrade<br>Faculty of Technology and Metallurgy<br>Belgrade, Serbia |

**PROFESSIONAL EXPERIENCE**

| | |
|---|---|
| 2022 - | Union – Nikola Tesla University, Faculty of Ecology and Environmental Protection, Belgrade, Serbia |
| 1983 – 2022 | University of Belgrade, Faculty of Technology and Metallurgy, Belgrade, Serbia |
| 2015–2019 | Visiting Professor, Kyung Hee University, Faculty of Engineering, Department of Mechanical Engineering, Seoul, South Korea |
| 2014. | Shandong University, Jinan, China |
| 2014. | Jiangsu Normal University, Xuzou, China |
| 2014. | Fudan University, Shanghai, China |
| 2012. | National Institute for Lasers, Plasma and Radiation Physics, Magurele, Romania |
| 2012. | University POLITEHNICA of Bucharest**,** Bucharest, Romania |
| 2011. | Laval University, Quebec, Canada |
| 2011.<br>2010. | Jožef Štefan Institute, Ljubljana, Slovenia |
| 2009. | Shandong University, Jinan, China |
| 2009-2011 | Visiting Professor, Ohio University, College of Engineering and Technology, Athens, Ohio, USA |
| 1995. | Visiting Professor, University of Trento, Faculty of Engineering, Department of Material Science, Trento, Italy |

**MEMBERSHIPS**

| | |
|---|---|
| 2018. | Academy of Engineering Sciences of Serbia |
| 2008. | Serbian Scientific Society |
| 2000. | The International Society of Electrochemistry |
| 2000. | The American Electrochemical Society |
| 1995. | Serbian Chemical Society |

**RESEARCH PROJECTS**

2023-2026. Nonlinear dynamics of thermally and mechanically loaded composite structures, Joint Research Project between Serbian Academy of Sciences and Arts - Mathematical Institute, Serbia and Bulgarian Academy of Sciences - Institute of Mechanics, Bulgaria.

2023-2025. Electrochemical production of composite biomaterials for medical hard tissue implants, Bilateral project between Republic of Serbia and Republic of Slovenia, Ministry of Science, Technological Development and Innovation, Republic of Serbia and Slovenian Research Agency (Contract no 337-00-110/2023-05/13).

2023-2024. Wound dressing based on ecological hydrogels aimed for infected wounds treatment, Union – Nikola Tesla University, PI

2020–2023. Twinning to excel materials engineering for medical devices –ExcellMater, grant no. 952033, Horizont 2020-WIDESPREAD-2018-2020/H2020-WIDESPREAD-020-5, 2020-2023, European Commission.

2011-2020. Synthesis, processing and application of nanostructured multifunctional materials with defined properties, Ministry of Science and Technological Development, Republic of Serbia (Project No. III 45019)

2014-2015. New economic system for steel corrosion protection in concrete, Bilateral project between Republic of Serbia and Republic of Slovenia, Ministry of Education, Science and Technological Development, Republic of Serbia and Slovenian Research Agency (Contract No.: 451-03-3095/2014-09/19) 2014-2015.

2014-2015. Fullerene-carbon Nanotube Hybrids Based Composites As Energy Materials, Research Committee of The Hong Kong Polytechnic University (Project code: G-UC81), rukovodilac.

2014-2015. Novel products based on alginate and polyvinyl alcohol hydrogels with silver nanoparticles for wound treatment– Innovation project, Ministry of Education, Science and Technological Development, Republic of Serbia, (Project No.451-03-2802-IP 1/36), PI.

2014-2018. TD COST Action TD1305: Improved Protection of Medical Devices Against Infection (IPROMEDIA), European Cooperation in Science and Technology – COST.

2013. Production development of environmentally friendly protective system Zn-Mn alloy/organic coating on steel, Ministry of Science and Technology, Republic of Srpska (Project No. 19/6-030/3-2-93-1/12).

2013. NanoAktiv Wound Dressings (Pr. ID 212), Innovation Fund within Innovation

Serbia Project funded by EU IPA I 2011 and administered by the World Bank, 2013.

2012-2015. Biomimetic bioreactor systems for biomedical applications - BIOMIMETIKA, Eureka 6749.

2011-2015. MPNS COST Action MP1005: From nano to macro biomaterials (design, processing, characterization, modeling) and applications to stem cells regenerative orthopedic and dental medicine (NAMABIO), European Cooperation in Science and Technology – COST.

2011-2012. Electrodes modifiées à base de carbonate de calcium, Agence Universitaire de la Francophonie (AUF) - l'Université Politehnica de Bucarest (Roumanie) en association avec l'Université Joseph Fourier, Grenoble 1 (France) et l'Université de Belgrade (Serbie), rukovodilac.

2010-2011. Electrochemical non-metallic coatings on modified metal surfaces, Bilateral project between Republic of Serbia and Republic of Slovenia, Ministry of Science and Technological Development, Republic of Serbia and Slovenian Research Agency, PI.

2009-2012. CRP (coordination research project): Nanoscale Radiation Engineering of Advanced Materials for Potential Biomedical Applications, International Atomic Energy Agency (Project F23028) 2009-2012.

2009-2011. TCP (technical cooperation project): Supporting Radiation Synthesis and the Characterisation of Nanomaterials for Health Care, Environmental Protection and Clean Energy Applications, International Atomic Energy Agency (Project RER/8/014).

2008-2010. Development of the hydrogel based nanocomposites for reconstructive chirurgic application, Ministry of Science and Technological Development, Republic of Serbia (Project No. TR 19027).

2006-2010. Electrochemical characteristics of oxide and polymer coatings on the modified metal surfaces, Ministry for Science and Environmental Protection, Republic of Serbia (Project No. 142061) 2006-2010, PI.

2005. Preparation of panels containing Zn-Ni, Zn-Co and Zn-Fe alloys for anticorrosion testing, PPG Industries, Inc. USA, PI.

2002-2008. Corrosion inhibitors, Serbian Academy of Sciences and Art (Project F-59).

2002-2005. Ceramic and glass materials for the application in high technologies, Ministry for Science, Technologies and Development, Republic of Serbia (Project No. 1818)

2002-2005. Conducting oxide coatings in electrocatalysis and supercapacitors, Ministry for

Science, Technologies and Development, Republic of Serbia (Project No. 1230).

2002-2005. Corrosion and corrosion prevention, Ministry for Science, Technologies and Development, Republic of Serbia (Project No. 1689), PI.

1996-2000. Electrodics, Electrocatalysis and Electrochemical energy conversion, Ministry for Science and Technology, Republic of Serbia (Project No. 02E20).

1983-1995. Metalics, Ministry for Science and Technology, Republic of Serbia (Contract No. 02E21).

1983-1991. Fundamental Research of Surface Structure and Electrochemical Processes for New Technologies, Federal Ministry for Science and Technology (Project P-96).

**AWARDS**

2024. AD Scientific Index World Scientist and University Rankings 2024

2023. AD Scientific Index World Scientist and University Rankings 2023

2022. Stanford University Top 2% scientists in the world for 2022, career and single year

2021. Stanford University Top 2% scientists in the world for 2021, career and single year

2021. Top 10 women scientists in Serbia

2021. Gold medal, International festival of innovation TESLA FEST 2021, Inventors Association of Vojvodina, Novi Sad, 12-15. october, 2021.

2020. Stanford University Top 2% scientists in the world for 2020, career and single year

2019. Stanford University Top 2% scientists in the world for 2019, career and single year

2019. Gold medal, INOVAMAK 2019 International Salon of Inventions and New Technologies, International Federation of Inventors Associations, Skopje, Republic of North Macedonia, September 24-26, 2019.

2018. Cup of Organizer of International Salon of Inventions and New Technologies "New Time", Sevastopol, Russian Federation, 2018.

2018. Award Silver Medal with Nikola Tesla's Face, 35. International Exhibition of

Inventions, New Technologies and Design, Belgrade, Serbia, 2018.

2018. Award Silver Medal with Nikola Tesla's Face, 35. International Exhibition of Inventions, New Technologies and Design, Belgrade, Serbia, 2018.

2017. Bronze medal, INOVAMAK 2017 International Salon of Inventions and New Technologies, International Federation of Inventors Associations, Skopje, FYR Macedonia, 2017.

2017. Gold medal, XIII International Salon of Inventions and New Technologies „New Time", International Federation of Inventors Associations, Sevastopol, Russian Federation, 2017.

2016. Award Gold Medal with Nikola Tesla's Face, 34. International Exhibition of Inventions, New Technologies and Design, Belgrade, Serbia, 2016.

2013. Belgrade Chamber of Commerce Annual Award for the best innovation, 2013.

2012. Award Gold Medal with Nikola Tesla's Face, 32. International Exhibition of Inventions, New Technologies and Design, Belgrade, Serbia, 2012.

2012. The best women team Award, Competition for the best technological innovation in Serbia 2012, Ministry of Education, Science and Technological Development, Republic of Serbia, 2012.

2011. I Award in category Health (medicine and materials) and I Award in category Innovation ideas, Competition for the best technological innovation in Serbia 2011, Ministry of Education and Science, Republic of Serbia, 2011.

2011. Award Gold Medal with Nikola Tesla's Face, 31. International Exhibition of Inventions, New Technologies and Design, Belgrade,Serbia, 2011.

**SELECTED PUBLICATIONS**

V. Mišković-Stanković, T. Atanackovic **(2024)**. Novel antibacterial biomaterials for medical applications and modeling of drug release process, Taylor & Francis/CRC Press, ISBN 9781032668864, 288 pages. https://www.routledge.com/Novel-Antibacterial-Biomaterials-for-Medical-Applications-and-Modeling-of-Drug-Release-Process/Miskovic-Stankovic-Atanackovic/p/book/9781032668864

Marija Djošić, Ana Janković, Milena Stevanović, Jovica Stojanović, Maja Vukašinović-Sekulić, Vesna Kojić, Vesna Mišković-Stanković **(2023)**. Hydroxyapatite/poly(vinyl alcohol)/chitosan coating with gentamicin for orthopedic implants", *Mater. Chem. Phys.* 303, 127766. https://doi.org/10.1016/j.matchemphys.2023.127766

Vesna Miskovic-Stankovic, Marko Janev, Teodor M. Atanackovic **(2023).** Two compartmental fractional derivative model with General fractional derivative, *J. Pharmacokinet. Pharmacodyn.*

50**,** p. 79-87. https://doi.org/10.1007/s10928-022-09834-8

Samira Naghdi, Vesna Miskovic-Stankovic **(2022)**. A review of the corrosion behaviour of graphene coatings on metal surfaces obtained by chemical vapour deposition, *J. Electrochem. Soc.* 169, 021505. https://doi.org/10.1149/1945-7111/ac53cb

K. Nešović, V. Mišković-Stanković **(2022).** Silver/poly(vinyl alcohol)/graphene hydrogels aimed for wound dressing applications: understanding the mechanism of silver release, *J. Vinyl Addit. Technol.* 28, 1, p. 196-210. https://doi.org/10.1002/vnl.21882

Milena Stevanović, Marija Djošić, Ana Janković, Vesna Kojić, Jovica Stojanović, Svetlana Grujić, Ivana Matić Bujagić, Kyong Yop Rhee, Vesna Mišković-Stanković **(2021)**. The Chitosan-Based Bioactive Composite Coating on Titanium, *J. Mater. Res. Technol.* 15, p. 4461-4474. https://doi.org/10.1016/j.jmrt.2021.10.072

Marija Djošić, Ana Janković, Vesna Mišković-Stanković **(2021)**. Biocompatible and bioactive hydroxyapatite-based composite coatings on titanium, *Materials,* 14, 5391. https://doi.org/10.3390/ma14185391

Milena Stevanović, Marija Djošić, Ana Janković, Katarina Nešović, Vesna Kojić, Jovica Stojanović, Svetlana Grujić, Ivana Matić Bujagić, Kyong Yop Rhee, Vesna Mišković-Stanković **(2020).** Assessing bioactivity of gentamicin preloaded hydroxyapatite/chitosan composite coating on titanium substrate*,* ACS Omega, 5, 25, p. 15433–15445. https://dx.doi.org/10.1021/acsomega.0c01583

Katarina Nešović, Vesna Mišković-Stanković **(2020)**. A comprehensive review of the polymer-based hydrogels with electrochemically synthesized silver nanoparticles for wound dressing applications, *Polym Eng Sci.* **60** 1393–1419. https://doi.org/10.1002/pen.25410.

Samira Naghdi, Katarina Nešović, Gonzalo Sánchez-Arriaga, Kyong Yop Rhee, Vesna Mišković-Stanković **(2020)**. The effect of caesium dopant on APCVD graphene coating on copper, *J. Mater. Res. Technol.* **9**, 5, 9798–9812. https://dx.doi.org/10.1016/j.jmrt.2020.06.091

Milena Stevanović, Marija Đošić, Ana Janković, Vesna Kojić, Maja Vukašinović-Sekulić, Jovica Stojanović, Jadranka Odović, Milkica Crevar Sakač, Kyong Yop Rhee, Vesna Mišković-Stanković **(2020)**. Antibacterial graphene-based hydroxyapatite/chitosan coating with gentamicin for potential applications in bone tissue engineering, *J. Biomed. Mater. Res. A* 108, 2175-2189. https:// doi.org/10.1002/jbm.a.36974

Katarina Nešović, Ana Janković, Tamara Radetić, Maja Vukašinović-Sekulić, Vesna Kojić, Ljiljana Živković, Aleksandra Perić-Grujić, Kyong Yop Rhee, Vesna Mišković-Stanković **(2019).** Chitosan-based hydrogel wound dressings with electrochemically incorporated silver nanoparticles – *in vitro* study, *European Polymer Journal*, 121, 109257. https://doi.org/10.1016/j.eurpolymj.2019.109257

Garima Mittal, Katarina Nešović, Vesna Mišković-Stanković, Kyong Yop Rhee **(2019)**. Investigation of corrosion behaviour of carbon nanotubes coated basalt fabric as a reinforcement material, *Compos. Part B Eng.* 178, 107493. https://doi.org/10.1016/j.compositesb.2019.107493

Ljiljana S. Živković, Bore V. Jegdić, Velibor Andrić, Kyong Yop Rhee, Jelena B. Bajat and

Vesna B. Mišković-Stanković **(2019)**. The effect of ceria and zirconia nanoparticles on the corrosion behaviour of cataphoretic epoxy coatings on AA6060 alloy, *Prog. Org. Coat.* 136, 105219. https://doi.org/10.1016/j.porgcoat.2019.105219

Katarina Nešović, Ana Janković, Aleksandra Perić-Grujić, Maja Vukašinović-Sekulić, Tamara Radetić, Ljiljana Živković, Soo-Jin Park, Kyong Yop Rhee, Vesna Mišković-Stanković **(2019)**. Kinetic models of swelling and thermal stability of silver/poly(vinyl alcohol)/chitosan/graphene hydrogels, *J. Ind. Eng. Chem.* 77, 83-96. https://doi.org/10.1016/j.jiec.2019.04.022

Jovana Zvicer, Vesna Mišković-Stanković, Bojana Obradović **(2018).** Functional bioreactor characterization to assess potentials of nanocomposites based on different alginate types and silver nanoparticles for use as cartilage tissue implants, *J. Biomed. Mater. Res. A*, 107, 4, 755-768. http://dx.doi.org/10.1002/jbm.a.36590

Milena Stevanović, Marija Đošić, Ana Janković, Vesna Kojić, Maja Vukašinović-Sekulić, Jovica Stojanović, Jadranka Odović, Milkica Crevar Sakač, Kyong Yop Rhee, Vesna Mišković-Stanković **(2018).** Gentamicin-loaded bioactive hydroxyapatite/chitosan composite coating electrodeposited on titanium, *ACS Biomater. Sci. Eng.* **4,** 12, p. 3994–4007. https://pubs.acs.org/doi/10.1021/acsbiomaterials.8b00859

Katarina Nešović, Ana Janković, Vesna Kojić, Maja Vukašinović-Sekulić, Aleksandra Perić-Grujić, Kyong Yop Rhee, Vesna Mišković-Stanković, Silver/poly(vinyl alcohol)/chitosan/graphene hydrogels – synthesis, biological and physicochemical properties and silver release kinetics **(2018)**. *Compos. Part B Eng.* 154, 175-185. https://doi.org/10.1016/j.compositesb.2018.08.005

Mohamed M. Abudabbus, Ivana Jevremović, Katarina Nešović, Aleksandra Perić-Grujić, Kyong Yop Rhee, Vesna Mišković-Stanković **(2018).** *In situ* electrochemical synthesis of silver-doped poly(vinyl alcohol)/graphene composite hydrogels and their physico-chemical and thermal properties, *Compos. Part B Eng.* 140, p. 99-107. https://doi.org/10.1016/j.compositesb.2017.12.017

Marija Đošić, Sanja Eraković, Ana Janković, Maja Vukašinović-Sekulić, Ivana Z. Matić, Jovica Stojanović, Kyong Yop Rhee, Vesna Mišković-Stanković **(2017).** In vitro investigation of electrophoretically deposited bioactive hydroxyapatite/chitosan coatings reinforced by graphene, *J. Ind. Eng. Chem.* 47, p. 336-347. http://dx.doi.org/10.1016/j.jiec.2016.12.004

V. B. Mišković-Stanković **(2016)**. Electrochemical Production of Polymer Hydrogels with Silver Nanoparticles for Medical Applications as Wound Dressings and Soft Tissue Implants", in: S. Djokić (ed.), *Biomedical and Pharmaceutical Applications of Electrochemistry, Modern Aspects of Electrochemistry 60*, Springer Science+Business Media, New York, USA, Chpt 4, p. 267-375. https://link.springer.com/chapter/10.1007/978-3-319-31849-3_4

V. B. Mišković-Stanković **(2016).** Biocompatible Hydroxyapatite-Based Composite Coatings Obtained by Electrophoretic Deposition for Medical Applications as Hard Tissue Implants", in: S. Djokić (ed.), *Biomedical and Pharmaceutical Applications of Electrochemistry, Modern Aspects of Electrochemistry 60*, Springer Science+Business Media, New York, USA, Chpt 5, p. 377-457. https://link.springer.com/chapter/10.1007/978-3-319-31849-3_5

M.M. Abudabbus, I. Jevremović, A. Janković, A. Perić-Grujić, I. Matić, M. Vukašinović-Sekulić, D. Hui, K.Y. Rhee, V. Mišković-Stanković **(2016)**. Biological activity of electrochemically synthesized silver doped polyvinyl alcohol/graphene composite hydrogel discs for biomedical applications, *Compos. Part B Eng.* 104, 1, p. 26-34. http://dx.doi.org/10.1016/j.compositesb.2016.08.024

Rade Surudžić, Ana Janković, Miodrag Mitrić, Ivana Matić, Zorica D. Juranić, Ljiljana Živković, Vesna Mišković-Stanković, Kyong Yop Rhee, Soo Jin Park, David Hui **(2016)**. The effect of graphene loading on mechanical, thermal, and biological properties of poly(vinyl alcohol)/graphene nanocomposites, *J. Ind. Eng. Chem*. **34,** 250-257. http://dx.doi.org/10.1016/j.jiec.2015.11.016.

Rade Surudzić, Ana Janković, Natasa Bibić, Maja Vukašinović-Sekulić, Aleksandra Perić-Grujić, Vesna Mišković-Stanković, Soo Jin Park, Kyong Yop Rhee **(2016)**. Physico-chemical and mechanical properties and antibacterial activity of silver/poly(vinyl alcohol)/graphene nanocomposites obtained by electrochemical method, *Compos. Part B Eng.* 85**,** 102-112. http://dx.doi.org/10.1016/j.compositesb.2015.09.029

Ana Janković, Sanja Eraković, Maja Vukašinović-Sekulić, Vesna Mišković-Stanković, Soo Jin Park, Kyong Yop Rhee **(2015)**. Graphene-based antibacterial composite coatings electrodeposited on titanium for biomedical applications**,** *Prog. Org. Coat.* 83**,** 1-10. http://dx.doi.org/10.1016/j.porgcoat.2015.01.019.

Ljiljana S. Živković, Jelena B. Bajat, Jovan P. Popić, Bore V. Jegdić, Sanja Stevanović and Vesna B. Mišković-Stanković **(2015)**. Protective properties of cataphoretic epoxy coating on aluminum alloy AA6060 modified with electrodeposited Ce-based coatings: Effect of post-treatment, *Prog. Org. Coat.* 79, p. 43-52. https://www.sciencedirect.com/science/article/abs/pii/S0300944014003439

Ivana Jevremović, Marc Singer, Mohsen Achour, Vesna Mišković-Stanković, Srdjan Nešić **(2015)**. Evaluation of a Novel Top-of-the-Line Corrosion (TLC) Mitigation Method in a Large Scale Flow Loop, *Corrosion* 71**,** 3, 389-397. doi: http://dx.doi.org/10.5006/1317.

Vesna Mišković-Stanković, Ivana Jevremović, Inhwa Jung, Kyong Yop Rhee **(2014).** Electrochemical study on corrosion behaviour of graphene coatings on copper and aluminium in chloride solution, *Carbon*, 75, p. 335-344. https://www.sciencedirect.com/science/article/abs/pii/S0008622314003315

V. B. Mišković-Stanković **(2014)**. Electrophoretic Deposition of Ceramic Coatings on Metal Surfaces“ in: S. Djokić (ed.), *Electrodeposition and Surface Finishing: Fundamentals and Applications, Modern Aspects of Electrochemistry* ***57***, Springer Science+Business Media, New York, USA, Chpt 3, p. 133-216. http://www.springer.com/chemistry/electrochemistry/book/978-1-4939-0288-0

Sanja Eraković, Ana Janković, Djordje Veljović, Eriks Palcevskis, Miodrag Mitrić, Tatjana Stevanović, Djordje Janaćković, Vesna Mišković-Stanković **(2013)**. The corrosion stability and bioactivity in simulated body fluid of silver/hydroxyapatite and silver/hydroxyapatite/lignin coatings on titanium obtained by electrophoretic deposition, *J. Phys. Chem. B* 117, p. 1633-1643.

http://pubs.acs.org/doi/abs/10.1021/jp305252a

Ivana Jevremović, Marc Singer, Srđan Nešić, Vesna Mišković-Stanković **(2013)**. Inhibition properties of self-assembled corrosion inhibitor talloil diethylenetriamine imidazoline for mild steel corrosion in chloride solution saturated with carbon dioxide, *Corros. Sci.* 77, 265-272. http://www.sciencedirect.com/science/article/pii/S0010938X13003685

I. Jevremović, M. Singer, M. Achour, D. Blumer, T. Baugh, V. Mišković-Stanković, S. Nešić **(2013)**. A Novel Method to Mitigate the Top of the Line Corrosion in Wet Gas Pipelines by Corrosion Inhibitor within a Foam Matrix, *Corrosion*, **69**, 2, 186-192. http://corrosionjournal.org/doi/abs/10.5006/0617

Zeljka Jovanovic, Jasmina Stojkovska, Bojana Obradovic, Vesna Miskovic-Stankovic **(2012)**. Alginate hydrogel microbeads incorporated with Ag nanoparticles obtained by electrochemical method, *Mater. Chem. Phys.* 133, p. 182–189. http://www.sciencedirect.com/science/article/pii/S0254058412000181

I. Milošev, Ž. Jovanović, J.B. Bajat, R. Jančić-Heinemann, V.B. Mišković-Stanković **(2012).** Surface analysis and electrochemical behaviour of aluminium pretreted by vinyltriethoxysilane films in mild NaCl solution, *J. Electrochem. Soc.* **159**, 7, C303-C311. http://jes.ecsdl.org/content/159/7/C303

B.V.Jegdić, J.B.Bajat, J.P.Popić, S.S.Stevanović, V.B.Mišković-Stanković **(2011).** The EIS investigation of powder polyester coatings on phosphated low carbon steel: the effect of $NaNO_2$ in the phosphating bath, *Corros. Sci.* 53, 2872-2880. http://www.sciencedirect.com/science/article/pii/S0010938X11002411

V.B.Mišković-Stanković, D.M.Dražić, Z.Kačarević-Popović **(1996)**. Sorption Characteristics of Epoxy Coatings Electrodeposited on Steel During Exposure to Different Corrosive Agents", *Corros. Sci*. 38, 9, 1513-1523. http://www.sciencedirect.com/science/article/pii/0010938X9600042X

V.B.Mišković-Stanković, D.M.Dražić, M.J.Teodorović **(1995)**. Electrolyte Penetration through Epoxy Coatings Electrodeposited on Steel ", *Corros. Sci*. 37, 2, 241-252. http://www.sciencedirect.com/science/article/pii/0010938X9400130X

D.M.Dražić, V.B.Mišković-Stanković **(1990).** The Determination of the Corrosive Behaviour of Polymer-Coated Steel with A.C. Impedance Measurements, *Corros. Sci.* 30, 575-582. http://www.sciencedirect.com/science/article/pii/0010938X9090024Y

V.B.Mišković, M.D.Maksimović **(1985)**. The Kinetics of Organic Film Growth During the Cathodic Electrodeposition Process, *Surf. Technol*. 26, 4 (1985) 353-360. https://doi.org/10.1016/0376-4583(85)90098-6

**OTHER**

**Scientific activities.** She works in the field of material science, biomaterials, and electrochemistry. She published 1 leading international monograph (M11), 3 chapters in leading international monographs (M13), 5 chapters in international monographs (M14), 1 national monograph (M41), 214 scientific papers in peer review journals: 162 papers in SCI journals (26 M21a, 51 M21, 36 M22, 43 M23), 9 papers in non-SCI journals and 43 papers in national journals, 312 conference papers (193 international and 119 national), 51 invited lectures at national (12) and international conferences (23) and foreign universities (16) in USA, Germany, Italy, Greece, South Korea and China, 2 national patents and 4 technical solutions. She was leading/participating 27 scientific projects (14 international and 13 national projects).

**Citations.** She was cited 4258 times, Hirsh (h) index 40 (according WoS), 4727 times, h index 42 (according Scopus), and 6280 times, h index 49 (according Google Scholar).

**Awards and Recignitions.** She was listed at Stanford University Top 2% scientists in the world for the carrier and single year 2019, 2020, 2021 i 2022, AD Scientific Index World Scientist and University Ranking 2023, 2024, and Top 10 women scientists in Serbia (2021). She is a elected Member of Academy of Engineering Sciences of Serbia from 2018. She is also a elected Member of Serbian Scientific Society from 2008 and serves as Secretary of Division of Technical Sciences. She was awarded with 6 gold, 2 silver, 1 bronze medals and 1 Coupe at international and 3 gold medals at national exhibitions of inventions. She serves as permanent reviewer for 26 leading international scientific journals.

**Teaching activities.** She held courses at the graduate, master and PhD studies. She was a supervisor of 26 diploma thesis, 3 M.Sc. thesis, 3 master thesis and 9 PhD thesis, as well as a Comeettee member of 8 diploma thesis, 1 M.Sc. thesis, 7 master thesis and 7 PhD thesis. She published 1 monograph, 2 University textbooks for laboratory practice, 4 University mimeographed notes and 2 textbooks for Technical school. She has been Visiting Professor at the University of Trento, Italy; Ohio University, USA; Laval University, Quebec, Canada; Shandong University, Jinan, China; Jangsu Normal University, Xuzou, China; Fudan University, Shangai, China; and Kyung Hee University, Seoul, South Korea.

**Professional activities.** She was a national representative in the International Union in Pure and Applied Chemistry (IUPAC), European Chemical Society (EuChemS) and European Federation for Corrosion (EFC). She is a member of The American Electrochemical Society (ECS), The International Society of Electrochemistry (ISE), and a member of the National standardization committee for corrosion protection of steel constructions by paint systems. She was COST (European Cooperation in Science and Technology) Action national coordinator from 2014. to 2018; member and president of the University of Belgrade foundation Veselin Lučić; member of the University awarding committee; member of the University committee for Chemistry, Physical chemistry and Biochemistry and University committee for Natural Sciences; member of the Serbian fondation for young talents; Vice President (2016-2017), President (2017-2021), and Past President (2021-) of the Serbian Chemical Society; Meritorious member, Board member and member of Presidency of the Serbian Chemical Society; Chair/member of the Scientific and Organization committees of numerous international and national conferences.