

Dr sci. med. Sanjin D. Kovačević

PERSONAL INFORMATIONS

Date of birth:

Place of birth:

Home address:

Office address:

E-mail address:

Telephone number:

ORCID:

EDUCATION

2014. **MD Degree**, Medical Faculty, University of Belgrade, Serbia
2019. **Master's Degree**, Physical activity, health and exercise therapy, Medical Faculty, University of Belgrade, Serbia
2019. **Spacialist academic studies Degree**, Experimental physiology and pathological physiology, Medical Faculty, University of Belgrade, Serbia
2022. **PhD Degree**, Physiological sciences, Medical Faculty, University of Belgrade, Serbia
- 2022.- **Residency in Sports Medicine**, Medical Faculty, University of Belgrade, Serbia

WORK EXPERIENCE

- 2023.- **Assistant Professor**, Institute of Pathophysiology, Medical Faculty, Belgrade
2020. - **Doctorate exchange intership**, Laboratory of Biology and Biochemistry of Human Movement, University of Rome "Foro Italico", Rome, Italy
2019. - **Associate/Lecturer**, Petnica Science Center, Serbia
2017. – 2019. **Research Assistant**, Laboratory for Cardiovascular Physiology, Institute for Medical Research, Belgrade
2017. – 2023. **Teaching and Research Assistant**, Institute of Pathophysiology, Medical Faculty, Belgrade
2015. – 2017. **Teaching Associate**, Institute of Pathophysiology, Medical Faculty, Belgrade,

ADDITIONAL INFORMATIONS AND PROFESIONAL SKILLS

Research interests: Renal physiology and pathophysiology, Hyperbaric oxygenation, Sports medicine

Awards: Best poster award, 8th *International Congress of Pathophysiology*, Bratislava, Slovakia
Best poster award, 4th *International Cardioneephrology and Hypertension Congress KARNEF 2019*, Ribarska Banja, Serbia

Best cardioneurology publication award for 2021., Serbian Cardioneurology Association

Best poster award, *Zetterstorm Award 2022, 46th Annual Meeting of the European Underwater and Baromedical Society, EUBS 2022*, Prague, Czech Republic

PhD student award, Medical Faculty, University of Belgrade, Serbia

Best Paper Award, *6th Euro-Mediterranean Conference for Environmental Integration, EMCEI 2024*, Marrakesh, Morocco

EUBS Research Grant 2024, *European Underwater and Baromedical Society*

Membership in scientific societies: Serbian Medical Chamber, Serbian Cardioneurology Association, Serbian Medical Society, European Society of Cardiology - WG on Cellular Biology of the Heart, European Underwater and Baromedical Society

Language: English, Italian (basic)

SELECTED PUBLICATIONS

1. Dinčić M, Krstić DZ, Čolović MB, Nešović Ostojić J, **Kovačević S**, De Luka SR, Djordjević DM, Ćirković S, Brkić P, Todorović J. Modulation of rat synaptosomal ATPases and acetylcholinesterase activities induced by chronic exposure to the static magnetic field. *International Journal of Radiation Biology*. 2018; 94(11): 1062-1071.
2. Nesovic-Ostojic J, **Kovacevic S**, Spasic S, Lopacic S, Todorovic J, Dincic M, Stanojevic M, Savin M, Milovanovic A, Cemerikic D. Modulation of luminal L-alanine transport in proximal tubular cells of frog kidney induced by low micromolar Cd²⁺ concentration. *Comparative Biochemistry and Physiology, Part C*. 2019; 216:38–42.
3. **Kovacevic S**, Ivanov M, Miloradovic Z, Brkic P, Vajic UJ, Zivotic M, Mihailovic-Stanojevic N, Jovovic Dj, Karanovic D, Jeremic R, Nesovic-Ostojic J. Hyperbaric oxygen preconditioning and the role of NADPH oxidase inhibition in postischemic acute kidney injury induced in spontaneously hypertensive rats. *PLoS One*. 2020; 15(1):e0226974. M22, IF=3,240
4. Nesovic Ostojic J, Ivanov M, Mihailovic-Stanojevic N, Karanovic D, **Kovacevic S**, Brkic P, Zivotic M, Vajic UJ, Jovovic Dj, Jeremic R, Ljubojevic-Holzer S, Miloradovic Z. Hyperbaric oxygen preconditioning upregulates heme oxygenase-1 and anti-apoptotic bcl-2 protein expression in spontaneously hypertensive rats with induced postischemic acute kidney injury. *International Journal of Molecular Sciences*. 2021; 22(3):1382.
5. **Kovacevic S**, Ivanov M, Zivotic M, Brkic P, Miloradovic Z, Jeremic R, Mihailovic-Stanojevic N, Vajic UJ, Karanovic D, Jovovic Dj, Nesovic Ostojic J. Immunohistochemical analysis of 4-HNE, NGAL, and HO-1 tissue expression after apocynin treatment and HBO preconditioning in postischemic acute kidney injury induced in spontaneously hypertensive rats. *Antioxidants (Basel)*. 2021; 10(8):1163.
6. Mitovic N, Maksimovic S, Puflovic D, **Kovacevic S**, Lopacic S, Todorovic J, Spasic S, Dincic M, Nesovic Ostojic J. Cadmium significantly changes major morphometrical points and cardiovascular functional parameters during early development of zebrafish. *Environmental Toxicology and Pharmacology*. 2021;103723.
7. Zivotic M, Dundjerovic D, Naumovic R, **Kovacevic S**, Ivanov M, Karanovic D, Nikolic G, Markovic-

Lipkovski J, Radojevic Skodric S, Nesovic Ostojic J. Clinicopathological relevance of Pax 8 expression patterns in acute kidney injury and chronic kidney diseases. *Diagnostics*. 2022;12(9):2036.

8. Nesovic Ostojic J, Zivotic M, **Kovacevic S**, Ivanov M, Brkic P, Mihailovic-Stanojevic N, Karanovic D, Vajic UJ, Miloradovic Z, Jovovic Dj, Radojevic Skodric S. Immunohistochemical pattern of histone H2A variant expression in an experimental model of ischemia–reperfusion-induced acute kidney injury. *International Journal of Molecular Sciences*. 2023; 24(9):8085.

9. Zivotic M, **Kovacevic S**, Nikolic G, Mioljevic A, Filipovic I, Djordjevic M, Jovicic V, Topalovic N, Ilic K, Radojevic Skodric S, Dundjerovic D, Nesovic Ostojic J. SLUG and SNAIL as potential immunohistochemical biomarkers for renal cancer staging and survival. *International Journal of Molecular Sciences*. 2021; 24(15):12245.

10. **Kovacevic S**, Mitovic N, Brkic P, Ivanov M, Zivotic M, Miloradovic Z, Nesovic Ostojic J. Hyperbaric Oxygenation: Can It Be a Novel Supportive Method in Acute Kidney Injury? Data Obtained from Experimental Studies. *Cells*. 2024; 13(13):1119.