

# Curriculum Vitae - Dr Nenad Vuković, Full Professor

Dr Nenad Vukovic was born on May 30, 1976, in Prijepolje, where he completed primary school and high school. He completed his Chemistry studies, majoring in Research and Development, in 2002 at the Faculty of Science in Kragujevac, graduating with an average grade of 8.70. That same year, he enrolled in postgraduate master's studies in Biochemistry. He defended his master's thesis titled "Biochemical Activity of Novel Synthetic Thiazolidine Derivatives of 4-hydroxycoumarin" in 2006. He defended his Ph.D. dissertation titled "Chemical Synthesis and Biochemical Activity of New Derivatives of 4-hydroxycoumarin" in 2010. He is married and the father of two children.



From October 1, 2002, to January 31, 2008, he was a research fellow of the Ministry of Education, Science, and Technological Development. From February 1, 2008, he was elected as an assistant at the Institute of Chemistry of the Faculty of Science, University of Kragujevac, and reelected on March 2, 2011. As an assistant, he conducted practical training in the following subjects: Instrumental Structural Methods, Basics of Organic and Biochemical Spectroscopy 1 and 2, Toxic Substances Analysis Methods, Isolation and Identification of Natural Products. He was elected to the position of assistant professor in the scientific field of Biochemistry at the Institute of Chemistry of the Faculty of Science, University of Kragujevac on March 11, 2014. He was elected to the position of associate professor in the scientific field of Biochemistry at the Institute of Chemistry of the Faculty of Science, University of Kragujevac on January 23, 2019, and on September 28, 2023, he was appointed as a full professor in the scientific field of Biochemistry at the Institute of Chemistry of the Faculty of Science, University of Kragujevac.

In the undergraduate chemistry studies at the Institute of Chemistry of the Faculty of Science, University of Kragujevac, he teaches: Instrumental Structural Methods 1, Instrumental Structural Methods 2, and Toxic Substances Analysis Methods 1. In the master's academic chemistry studies, he teaches the subject of Basic Forensic and Ecotoxicological Analysis. In the doctoral chemistry studies, he teaches Modern Experimental Methods in Biochemistry. He was a mentor and a member of several committees for completed bachelor's, master's, and doctoral theses. He was also a mentor of a doctoral thesis and a member of the doctoral dissertation committee for several defended Ph.D. dissertations. In 2011, he went for postdoctoral studies at the Institute of Chemistry and the Institute of Microbiology, Faculty of Biotechnology, in Nitra, Slovakia. He leads the Central Instrument Laboratory at the Institute of Chemistry, PMF Kragujevac. He is the author of the book Instrumental Structural Methods 1, which was published by the Faculty of Science in Kragujevac.

Dr Nenad Vukovic's scientific work relates to the study of the biochemistry of secondary metabolites. His research activities in this field are related to the following areas: 1) Structural modification and biological activity of secondary metabolites from the class of coumarins; 2) Isolation, structural identification, and biological activity of flavonoids; 3) Qualitative and quantitative analysis of flavonoids and phenolic acids of plant origin; 4) Isolation, structural identification, and biological activity of secondary metabolites from the class of naphthoquinones; 5) Antioxidant activity, antimicrobial and cytotoxic activity of essential oils and secondary metabolites from the class of terpenes; and 6) Application of instrumental structural methods in identification and quantification of toxic compounds. To date, he has published over 100 scientific papers in journals from the SCI list. Also, he has been a reviewer of numerous scientific papers in journals from the SCI list. Dr Vukovic actively collaborates with the Faculty of Chemistry in Belgrade, the Institute for Chemistry, Technology and Metallurgy in Belgrade, the Faculty of Medicine in Kragujevac, the Faculty of Biotechnology in Nitra, Slovakia, and the Institute Agrobiotech in Nitra, Slovakia.

## Participation in National Projects:

Title: "Preclinical Investigation of Bioactive Substances" (2011–2019). Project of the Ministry of Education, Science, and Technological Development of the Republic of Serbia; Project number: III 41010.

Title: "Human genetic and epigenetic determinants of susceptibility, severity and outcomes in SARS-CoV-2 infection", 2022–2024. " (2021–2024). Project of the Science Fund of the Republic of Serbia within the IDEAS program; Acronym of the project: SVETOVID-19.

## Participation in International Projects:

Erasmus+ project (573885-EPP-1-2016-1-RS-EPPKA2-CBHE-JP) ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry Education (2016–2019).

CEEPUS project (CIII-SK-1018-03-1718) Biology, Biotechnology, and Food Sciences, coordinator for the University of Kragujevac, (2017–).

## Contact Information

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