Chart 9.1. Scientific, artistic and professional qualifications and teaching responsibilities of a teacher

Name, Last Name, parent name, initial	**Radivoje M. Prodanović**
Title	Full Professor
The institution which is the teacher's full-time or part time employer and date of employment	University of Belgrade-Faculty of Chemistry, from 2010.
Specific scientific or artistic field	Biochemistry

Academic career

	Year	Institution	Field
Professorate	2019	University of Belgrade-Faculty of Chemistry	Biochemistry
Subspecialization			
Doctor's degree	2006	University of Belgrade-Faculty of Chemistry	Biochemistry
Specialization			
Master's degree		University of Belgrade-Faculty of Chemistry	Biochemistry
Diploma	2006	University of Belgrade-Faculty of Chemistry	Biochemistry

List of subjects the teacher is accredited for at the first or second level of studies

1.	Biochemistry of Metabolism		
2.	Chemistry of Natural Products		
3.	Biocatalysis and Metabolic Engineering		
4.	Bioinformatics		
5.	Protein Engineering		

Representative references (minimum 5 no more than 10)

1.	Crnoglavac Popović M, Stanišić M, Prodanović R, "State of the Art Technologies for High Yield Heterologous Expression and Production of Oxidoreductase Enzymes: Glucose Oxidase, Cellobiose Dehydrogenase, Horseradish Peroxidase, and Laccases in Yeasts *P. pastoris* and *S. cerevisiae*", (2024) Fermentation, 10(2), 93.
2.	Kaličanin N, Balaž AM, Prodanović O, Prodanović R, "Heterologous Expression and Partial Characterization of a Putative Opine Dehydrogenase from a Metagenomic Sequence of *Desulfohalobium retbaense*", (2023) ChemBioChem, 24(20), e202300414.
3.	Protić S, Kaličanin N, Sencanski M, Prodanović O, Miličević J, Perović V, Paessler S, Prodanović R, Glišić S, "*In Silico* and *In Vitro* Inhibition of SARS-CoV-2 PLpro with Gramicidin D", (2023), International Journal of Molecular Sciences, 24 (3), 1955.
4.	Senćanski M, Perović V, Milićević J, Todorović T, Prodanović R, Veljković V, Paessler S, Glišić S, "Identification of SARS-CoV-2 Papain-like Protease (PLpro) Inhibitors Using Combined Computational Approach", (2022), Chemistry Open, 11:(2), e202100248.
5.	Popović N, Pržulj D, Mladenović M, Prodanović O, Ece S, Ilić Đurđić K, Ostafe R, Fischer R, Prodanović R, "Immobilization of yeast cell walls with surface displayed laccase from *Streptomyces cyaneus* within dopamine-alginate beads for dye decolorization", (2021), International Journal of Biological Macromolecules, 181: 1072–1080.
6.	Blažić M, Balaž AM, Tadić V, Draganić B, Ostafe R, Fischer R, Prodanović R, "Protein engineering of cellobiose dehydrogenase from *Phanerochaete chrysosporium* in yeast *Saccharomyces cerevisiae* InvSc1 for increased activity and stability", (2019), Biochemical Engineering Journal, 146: 179-185.
7.	Chen Q, Utech S, Chen D, Prodanović R, Lin JM, Weitz DA, "Controlled assembly of heterotypic cells in a core-shell scaffold: Organ in a droplet", (2016), Lab on a Chip - Miniaturisation for Chemistry and Biology, 16 (8):1346-1349.
8.	Fischer R, Ostafe R, Prodanović R, "Glucose oxidase with improved properties", Patent application No: EP 13 165 194.5 and US 61/815,481 (2013).
9.	Utech S, Prodanović R, Amstad E, Ostafe R, Weitz DA, Mao AS, Mooney JD, Wilking CC, "Microparticles, Methods for Their Preparation and Use", US Provisional priority filing 11/8/2013, U.S. Patent No: 61/901,949.
10.	Lee W, Vojcic Lj, Despotović D, Prodanović R, Maurer KH, Schwaneberg U, Zacharias M, "Rationalizing perhydrolase activity of aryl-esterase and subtilisin Carlsberg mutants by molecular dynamics simulations of the second tetrahedral intermediate state", (2010), Theoretical Chemistry Accounts, 125 (3-6): 375-386.

Cumulative data of teacher's scientific, artistic or professional activity

Total number of citations	1903
Total number of works on the SCI (SSCI) list	**78**

Involvement in ongoing projects		Domestic: 1	International: /
Specializations	2006-2008: Postdoctoral studies, teacher and Humboldt Fellowship at Jacobs University Bremen, Bremen, Germany. 2008-2010: Postdoctoral researcher and teacher at Faculty of Biology, RWTH Aachen University, Aachen, Germany. 2012: Visiting researcher and Fulbright Fellowship at School of Engineering and Applied Science, Department of Physics, Harvard University, Boston, MA, USA 2010-2015: External researcher at Faculty of Biology, RWTH Aachen University, Aachen, Germany.		

Other data considered important:

1997: Serbian Chemical Society award for academic excellence in graduate studies of Biochemistry https://www.shd.org.rs/

2002: Goverment of the Republic of Serbia Award for outstanding performance as teaching assistant at Faculty of Chemistry

2007: Alexander von Humboldt Fellowship for project entitled "Directed evolution of glucose oxidase for application in miniature biofuel cell devices", School of Engineering and Science, Jacobs University Bremen.
http://www.biotec.rwth-aachen.de/cms/~imne/BIOTEC/?lidx=1

2012: Fulbright fellowship for project "Ultrahigh throughput screening system in drop-based microfluidics for directed evolution of glucose oxidase", Harvard University, Boston, USA.
https://weitzlab.seas.harvard.edu/

2019: Institute of Advanced Studies Visiting Fellowship, Loughborough University, Leicestershire, UK
https://www.lboro.ac.uk/research/ias/open-programme/

2021: Repurposing of drugs for prevention and treatment of Covid-19 (COVIDTARGET) – 7551100

2013-2017: Systems Biocatalysis – CMST COST Action CM1303

2016: Development of flow cytometry and microfluidic ultrahigh-throughput screening systems for directed evolution of glucose oxidase, cellobiose dehydrogenase and hemicellulase – 451-03-01038/2015-09/21 (principal investigator)