Curriculum Vitae

Mladen Simonović, Ph.D., Senior Research Associate

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EDUCATION

B.Sc. Faculty of Chemistry, Dept. of Biochemistry, University of Belgrade, Serbia Yugoslavia, 1999, **Ph.D.** University of Hamburg, Dept. of Biochemistry and Molecular Biology, 2004.

PROFESSIONAL EXPERIENCE

2000 – 2003 university assistant in Hamburg for the student exercises in protein biochemistry **2000-2003**, three years fellowship from the German Academic Exchange Service

2000 – **2004** job in the company "proCura Medical" in Hamburg: sales manager for medical products and surgery equipment as well as the quality controller for the production of reagents and desinfection means for the Asian and whole European market

2011-2021 Research Associate

2021-now Senior Research Associate at the Institute of General and Physical Chemistry, Belgrade, Serbia,

PROJECTS

2006 – now Project supported by Ministry for Science, Technology and Development of Serbia **2011-2020** Content of bioactive components in small and stone fruits as affected by cultivar specificities and growing conditions, and obtaining biologically valuable products by improved and newly developed technologies No. TR 31093.

Language: German, English

Research field and area: molecular biology, cloning and protein expression, food biochemistry. **THE MOST RELEVANT PUBLICATIONS:**

1. <u>Simonović M</u>, Zlatanović-Milošević S, Vrvić M & Simonović B (2008) Recombinant expression of monovalent and bivalent anti-TNT-antibodies –evaluation of different expression systems, *J Serb Chem Soc* 73(2), 139-145.

2. <u>Simonović M</u>, Milošević-Zlatanović S, Milosavić N, Vrvić M & Simonović B (2009) Characterization of recombinant antibodies for detection of TNT and its derivatives, *Chem Pap* 63(4), 391-398.

3. Matić I, Žižak Ž, <u>Simonović M</u>, Simonović B, Gođevac D, Šavikin K & Juranić Z (2010) Cytotoxic effect of wine polyphenolic extracts and resveratrol against human carcinoma cells and normal peripheral blood mononuclear cells", *J Med Food* 13(4), 1-12.

4. Simonović M & Simonović B (2012) Detection of TNT-derivatives with recombinant phages, Bacteriophage 2, 61-69.

5. Gorjanović S, Pastor F.T, Vasić R, Novaković M, <u>Simonović M</u>, Milić S & Sužnjević D (2013) Electrochemical *versus* spectrophotometric assessment of antioxidant activity of Hop (*Humulus lupulus L*.) products and individual compounds, *J* Agric Food Chem 61(38), 9089-9096.

6. Micić D, Ostojić S, <u>Simonović M</u>, Pezo L & Simonović B (2015) Thermal behavior of raspberry and blackberry seed flours and oils, *Thermochimica acta* 617, 21-27.

7. Micić D, Ostojić S, <u>Simonović M</u>, Krstić G, Pezo L & Simonović B (2015) Kinetics of blackberry and raspberry seed oils oxidation by DSC, *Thermochimica acta* 601, 39-44 (2015)

8. <u>M. Simonovic</u>^{*}, B. R.Simonovic, S. Ostojic, L. Pezo, D. Micic, N. Stanisavljevic, B. Pejin A CONTRIBUTION TO THE ESTIMATION OF BERRY FRUITS QUALITY. *Scientia Horticulturae* 2019, 258, Article number: 108776

9. N. Stanisavljević, J. Savić, Ž. Jovanović, J. Miljuš-Đukić, J. Senćanski, <u>M. Simonović</u>, S. Radović, D. Vinterhalter, B. Vinterhalter. FINGERPRINTING OF THE ANTIOXIDANT STATUS IN *ALYSSUM MARKGRAFII* SHOOTS DURING NICKEL HYPERACCUMULATION *IN VITRO*. <u>Acta Physiologiae Plantarum</u> 2018, 40, Article number: 101

10. <u>M. Simonovic</u>*, S. Ostojic, D. Micic, M. Pesakovic, B. Pejin. LOW-ENERGY STRAWBERRY FRUITS OF JOLY CULTIVAR, THE FIRST STEP TOWARDS A NOVEL, FOOD-BASED SOLUTION FOR THE OBESE POPULATION. *Applied Sciences (MDPI)* 2019, 9(23), Article number: 5140

11. <u>M. Simonovic</u>*, S. Ostojic, D. Micic, B. Pejin. LOW SUGAR JELLIES OF BERRY FRUITS: THE IMPACT OF LOW VS. HIGH TEMPERATURE REGIME ON THEIR CHEMICAL COMPOSITION AND ANTIOXIDATIVITY. *Natural Product Research* 2021, 35(2), 337–341