

**CURRICULUM VITAE**

**Full Name and title:** Dr Katarina Smiljanić (born: Bajić)

**Current position:** Principal Research Fellow/Full Professor of Research Center of Excellence for Food Molecular Science, University of Belgrade - Faculty of Chemistry  
<http://helix.chem.bg.ac.rs/osoblje/429.html>

**Languages:** Serbian, English (fluent), Arabic & French (basic)

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**BIO SKETCH:**

**Dr. Katarina Smiljanić**, BSc.& Magister in Biochemistry, and PhD in Biology. The undergraduate and magister studies at the UBFC in collaboration with University of Kuwait in 1999, studied pain signaling pathways in diabetes mellitus animal models. In the period before doctoral studies at UB-Faculty of Biology and INSERM Institute in Paris, Katarina was lecturing "Introduction to Biochemistry" at American University of Dubai (UAE), followed by employment in GlaxoSmithKline Serbia as responsible for Vaccine portfolio in capacity of Product manager and later, Brand manager. She finished her PhD in 2012, revealing the role of abnormal proliferation of vascular smooth muscle cell signaling in atherosclerosis. Since 2013 she works at the UBFC as Research Associate employed through FP7 RegPot FCUB-ERA EU project, being involved in raising and accreditation of Center of Excellence for Food Molecular Sciences at UBFC, coordinated by professor Tanja Ćirković Veličković. Katarina was Invited foreign researcher during three months in 2015 at the Faculty of Medicine-University of Kuwait, studying cytokine signaling mechanisms in food allergy animal models, and in 2018-2019 was a guest researcher at Medical University of Vienna, acquiring training in respiratory allergy animal models (her stay was supported by Horizon2020 "FoodenTwin" project). She is the author of 30 papers published in peer-reviewed scientific journals and four book chapters, with over citations 670; h-index = 17, and i10 index = 19 (Google scholar).

**MAJOR FIELDS OF RESEARCH EXPERIENCE**

- food and respiratory allergen characterization involving proteomics
- Immunoproteomics characterization of *Chlamydia trachomatis*
- biochemistry of plant natural products and drug development
- intra and extracellular signaling mechanism in cardiovascular diseases and diabetes
- neurochemistry and pain pathways in diabetes

**GUEST editing and REVIEWER'S ACTIVITY IN TOP 25% ranked JOURNALS on SCle:**

Guest Editor of "Food Allergies on the Rise: The Role of Anthropogenic Chemicals" a Special Issue of *International Journal of Environmental Research and Public Health* IJERPH at [https://www.mdpi.com/journal/ijerph/special\\_issues/A658J54V98](https://www.mdpi.com/journal/ijerph/special_issues/A658J54V98)

Reviewer profile is available at <https://www.webofscience.com/wos/author/record/Q-9573-2016>. Up to 60 verified reviews in 45 journals among which are Allergy (Q1), Clinical and Experimental Allergy (Q1), Journal of Functional Food (Q1), Cells (Q1), Foods (Q1) etc.

Evaluator role commissioned by the National Science Centre of Poland for SONATA BIS 13 Call 2024.

**TOP PROFESSIONAL ACTIVITIES IN THE LAST 5 YEARS**

1. KS has served as the President of the Committee for re-accreditation of CoE MFS at UBFC in 2018 for the period of 2014-2018.
2. KS has given a plenary lecture entitled "Highly improved method for in-depth post-translational modification profiling: example of Timothy grass (*Phleum pratense*) pollen proteomes from polluted and preserved environments" at the 1st International Foodentwin Workshop "Food and Environmental –Omics" under the EU Horizon 2020 Foodentwin project, at the Serbian Academy of Sciences and Arts, on 20th of June 2019, Belgrade, Serbia. <https://horizon2020foodentwin.rs/workshop-1st/>.
3. KS has served as a co-mentor for the doctoral thesis of Ivana Prodic entitled: "Digestomics of peanut allergens and characterization of digestion resistant fragments" defended on December 3rd 2019 at UBFC. [https://cherry.chem.bg.ac.rs/handle/123456789/4384?locale-attribute=sr\\_RS](https://cherry.chem.bg.ac.rs/handle/123456789/4384?locale-attribute=sr_RS). In addition, KS is serving as co-mentor for doctoral thesis of Teodora Djukic, entitled "Application of various immunochemical and instrumental methods for qualitative and semi-quantitative characterization of post-translational and chemical modifications of the main allergens of roasted and raw peanuts (*Arachis hypogaea* L.)" (Decision of the UB Council from 28.10.2021).
4. KS organized Winter School of Proteomics 2020 under the patronage of Horizon202 Foodentwin project, for 70 participants (45 theory plus 25 practical aspect), taking care of organization and scientific and practical part of the School, officially in a capacity of the Vice president of Organization Board <https://horizon2020foodentwin.rs/foodentwin-winter-school-2020/>.
5. KS is serving as work package leader (WP2 related to dissemination and exploitation activities) of CAPSIDO – GA No. 7542203, project type: COVID-19, project funded by: Science Fund of the Republic of Serbia.
6. The project proposal "EmpowerPTM" as PI for PROMIS Call 2019 submitted and passed into second stage of evaluation; the project proposal "PTMatters" as PI for PRISMA Call 2022 that has passed two stages and threshold, but was not financed.

## **EDUCATIONAL QUALIFICATIONS:**

Jan 2013 – June 2013	<b>Postdoc at FCUB-ERA FP7 Project</b> Department of Biochemistry, Faculty of Chemistry University of Belgrade, Serbia
2009 – 2012	<b>Ph.D. in BIOLOGY (cardiology/endocrinology)</b> State Faculty of Biology, University of Belgrade, Serbia Univ. of Marie and Pierre Curie, Paris, France
1995 – 1999	<b>Magister in BIOCHEMISTRY (neurochemistry/diabetes)</b> Faculty of Medicine, Kuwait Faculty of Chemistry, University of Belgrade, Serbia
1990 – 1994	<b>B.Sc. in BIOCHEMISTRY</b> Faculty of Chemistry, Faculties of Natural Sciences, University of Belgrade, Serbia

## **WORKING EXPERIENCE**

### **RESEARCHING & TEACHING EXPERIENCE**

March 2024 – present	<b>PRINCIPAL RESEARCH FELLOW</b> Laboratory for Immunoproteomics, CoE Molecular Food Sciences, University of Belgrade - Faculty of Chemistry, Serbia
April 2019 – Feb 2024	<b>SENIOR RESEARCH ASSOCIATE</b> at CoE Laboratory for Immunoproteomics, Food and Nutrition, University of Belgrade - Faculty of Chemistry, Serbia
Jan 2013 – March 2019	<b>RESEARCH ASSOCIATE</b> (license no 660-01-78/2013 issued from Ministry of Education and Science, R Serbia) CoE Laboratory for Immunoproteomics, Food and Nutrition, University of Belgrade - Faculty of Chemistry, Serbia
2008 – 2012	<b>RESEARCH ASSOCIATE</b> Laboratory for Radiobiology and Genetics Nuclear Institute "Vinča", Belgrade, Serbia INSERM Institute, Paris, France
2000 – 2002	<b>LECTURER</b> for BIOCHEMISTRY (Liberal Arts) American University in Dubai (AUD), UAE
1996 – 1998	<b>RESEARCH ASSISTANT &amp; LECTURER</b> for Introduction to Toxicology, Dept. Pharmacology & Toxicology, Fac. of Medicine, Kuwait University, Kuwait
1994 – 1996	<b>RESEARCH ASSISTANT</b> Laboratory for Radiobiology and Genetics Nuclear Institute "Vinča", Belgrade, Serbia

**SALES & MARKETING in PHARMACEUTICAL/MEDICAL DEVICES INDUSTRY**

- 2009 – March 2010                      **BRAND MANAGER** for Vaccines/hepatitis franchise  
GlaxoSmithKline Export Ltd.  
Rep. Office in Belgrade, Serbia
- 2004 – 2009                                **PRODUCT SPECIALIST VACCINES**  
GlaxoSmithKline Export Ltd.  
Rep. Office in Belgrade, Serbia
- April 2003 – 2004                        **MEDICAL REPRESENTATIVE**  
GlaxoSmithKline Export Ltd.  
Rep. Office in Belgrade, Serbia
- 2002 – March 2003                        **FLOW CYTOMETRY PROGRAM MANAGER**  
UniChem, authorized agent of Becton Dickinson  
Belgrade, Serbia
- 2000 – 2001                                **BUSSINESS DEVELOPMENT MANAGER**  
Shirin Farjam Beauty Clinic Dubai, UAE

**PHARMA AND LIFE SCEINCE INDUSTRY TRAININGS**

Brand Building Foundation course, Nov. 2006, Oxford Group London UK and Cervarix medical and commercial trainings in fall 2006, GSK headquarter, London UK.  
Sharing Best Practices in Travel Medicine” GSK Worldwide PM Vaccine Workshop, Brussels, Belgium, November 2003. Becton Dickinson 7 day training in Flow Cytometry at BD facility in Heidelberg, February 2003.

**TOP FIVE GRANTS and PROJECTS current and recently finalized:**

1. 2021-2025: An Innovative Analytical Platform to Investigate the Effect and Toxicity of Micro and Nano Plastics Combined with Environmental Contaminants on the Risk of Allergic Disease in Preclinical and Clinical Studies (IMPTOX) – No. 965173, project type: Horizon 2020, project funded by: European Commission (Brussels, Belgium) (PI: professor Tanja Ćirković Veličković). Participation in WP5 on micro-nano plastics and food/respiratory allergens as cargo.
2. 2019 – 2024 COST Action CA18227 - The Core Outcome Measures for Food Allergy (COMFA). Participation in WG4 “Dissemination, Exploitation and Stakeholder engagement “ (<https://www.cost.eu/actions/CA18227/>).
3. 2018-2021: Twinning of research activities for the frontier research in the fields of food, nutrition and environmental 'omics (FoodEnTwin) – No. 810752, project type: Horizon 2020, project funded by: European Commission (Brussels, Belgium) (PI: professor Tanja Ćirković Veličković).
4. 2015-2018: “Improving Allergy Risk Assessment Strategy for new food proteins (ImpARAS) project type: EU COST action FA1402. Participation in WG1. <https://www.cost.eu/actions/FA1402/>
5. 2013-2019: Molecular properties and modifications of some respiratory and nutritive allergens – 172024, project type: National Fundamental Research Projects, project is funded by: Ministry of Education, Science and Technological Development-MESTD (Belgrade, Serbia). Participation with Medical University of Vienna, characterization of antigens for vaccine development by immunoproteomics OCUVAC ([www.ocuvac.com](http://www.ocuvac.com)).

**ADVANCED SOFTWARE SKILLS:**

Proteome Discoverer 2.5 (ThermoFisher, proteomics), PEAKS studio X plus (proteomics), Image Master Platinum (GE Healthcare), MATLAB 9 & PLS Toolbox kit, QSM™ Technology (Bioinformatics, proprietary software of © 2022 Doppelganger Biosystem GmbH).

**AWARDS:**

- 2002 Stipend from FEBS Forum for Young Scientists FEBS Conference, Istanbul, Turkey
- 2001 Teacher of the Year, AUD, Dubai, UAE
- 1995 "Đorđe Stefanović" Diploma for The Best Student of 1990 generation, Faculty of Chemistry, University of Belgrade, Serbia

**LIST OF PUBLICATIONS (KATARINA SMILJANIĆ, born BAJIĆ)***Journal articles***Upcoming in 2024:**

- Sara Trifunovic, **Katarina Smiljanić**, Aleksandra Divac Rankov, Mila Lujić, Electronic Liquid condensates and BEAS 2B cell phenotypes by proteomics and bioinformatics, To be submitted in ERJ/Environment International.
1. Khulal, U., Đukić, T., **Smiljanić, K.**, Vasović, T., Aćimović, J. M., Rajkovic, A., & Cirkovic Velickovic, T. (2024). Protein modifications screening of raw and thermally treated meat gastrointestinal digesta. *Journal of Functional Foods*, 113, 106052. <https://doi.org/10.1016/j.jff.2024.106052> IF<sub>2022</sub>: 5.6, *Food Science & Technology* 27/142.
  2. Uzelac, T.; **Smiljanić, K.**; Takić, M.; Šarac, I.; Oggiano, G.; Nikolić, M.; Jovanović, V. The Thiol Group Reactivity and the Antioxidant Property of Human Serum Albumin Are Controlled by the Joint Action of Fatty Acids and Glucose Binding. *Int. J. Mol. Sci.* 2024, 25, 2335. <https://doi.org/10.3390/ijms25042335> IF<sub>2022</sub>: 5.6, *Biochemistry & Molecular Biology* 66/285.
  3. Mladenovic Stokanic, M.; Simovic, A.; Jovanovic, V.; Radomirovic, M.; Udovicki, B.; Krstic Ristivojevic, M.; Djukic, T.; Vasovic, T.; Acimovic, J.; Sabljic, L.; **Smiljanić, K.**; et al. Sandwich ELISA for the Quantification of Nucleocapsid Protein of SARS-CoV-2 Based on Polyclonal Antibodies from Two Different Species. *Int. J. Mol. Sci.* 2024, 25, 333. <https://doi.org/10.3390/ijms25010333> IF<sub>2022</sub>: 5.6, *Biochemistry & Molecular Biology* 66/285.
  4. **Smiljanić, K.**; Prodić, I.; Trifunovic, S.; Krstić Ristivojević, M.; Aćimović, M.; Stanković Jeremić, J.; Lončar, B.; Tešević, V. Multistep Approach Points to Compounds Responsible for the Biological Activity and Safety of Hydrolates from Nine Lamiaceae Medicinal Plants on Human Skin Fibroblasts. *Antioxidants* 2023, 12, 1988. <https://doi.org/10.3390/antiox12111988> IF<sub>2021</sub>: 7.675, *Food Science & Technology* 13/142.
  5. Prodić, I.; Krstić Ristivojević, M, **Smiljanić, K** (2023) Antioxidant properties of protein-rich plant foods in gastrointestinal digestion – peanuts as our antioxidant friend or foe in allergies, *Antioxidants* 2023, 12(4), 886; <https://doi.org/10.3390/antiox12040886>. IF<sub>2021</sub>: 7.675, *Food Science & Technology*: 12/144, *Chemistry, Medicinal* 4/63.
  6. Djukic T, **Smiljanić, K**, Mihailovic J, Prodić, I. et al., 2022 Proteomic profiling of major peanut allergens and their post-translational modifications affected by roasting. *Foods*, 2022, 11(24), 3993; <https://doi.org/10.3390/foods11243993>. IF<sub>2021</sub>: 5.561, *Food Science & Technology*: 35/144.



7. Prodić, I.; **Smiljanić, K.**; Nagl, C.; Ballmer-Weber, B.; Hoffmann-Sommergruber, K.; Veličković, T.Ć. (2022) INFOGEST Digestion Assay of Raw and Roasted Hazelnuts and Its Impact on Allergens and Their IgE Binding Activity. *Foods*, 11, 2914. <https://doi.org/10.3390/foods11182914>. IF<sub>2021</sub>: **5.561**, Food Science & Technology: **35/144**
8. Trifunovic, S., **Smiljanić, K.**, Sickmann, A. Solari FA, Kolarević S, Divac Rankov A, Ljujić M. (2022) Electronic cigarette liquids impair metabolic cooperation and alter proteomic profiles in V79 cells. *Respir Res* **23**, 191. <https://doi.org/10.1186/s12931-022-02102-> IF<sub>2020</sub>: **7,162**, Respiratory System **12/65**.
9. Krstić Ristivojević, M., Apostolović, D., & **Smiljanić, K.** (2021). Enterocytes in Food Hypersensitivity Reactions. *Animals*, 11(9), 2713. IF<sub>2019</sub>: **2.323**, Veterinary Sciences 14/141.
10. Perusko, M., Ghnimi, S., Simovic, A., Stevanovic, N., Radomirovic, M., Gharsallaoui, A., **Smiljanic, K.**, Van Haute, S., Stanic-Vucinic, D., & Cirkovic Velickovic, T. (2021) Maillard reaction products formation and antioxidative power of spray dried camel milk powders increases with the inlet temperature of drying. *LWT*, 143, 111091; IF<sub>2020</sub>: **4.952**, Food Science & Technology 29/144.
11. Đukić T., Mladenović M., Stanić-Vučinić D., Radosavljević J., **Smiljanić K.**, Sabljic Lj., Dević M., Čujić D., Vasović T., Simović A., Radomirović M., Ćirković Veličković T. (2021) Expression, purification and immunological characterization of recombinant nucleocapsid protein fragment from SARS-CoV-2. *Virology*, 557: 15-22. <https://doi.org/10.1016/j.virol.2021.01.004>; IF<sub>2020</sub>: **3.616**, Virology **19/36**.
12. Parac-Vogt, T. N., J. Moons, F. De Azambuja, J. Mihailovic, K. Kozma, **K. Smiljanic**, M. Amiri, T. Cirkovic-Velickovic, and M. Nyman. (2020). Discrete Hf18 metal-oxo cluster as a heterogeneous nanozyme for site-specific proteolysis. *Angew Chem Int Ed Engl*, doi: 10.1002/anie.202001036, IF<sub>2020</sub>: **15.336**, Chemistry, Multidisciplinary: **16/178**.
13. Aćimović M.G., V. V. Tešević, **K. T. Smiljanić**, M. T. Cvetković, J. M. Stanković, B. M. Kiproviski, and V. S. Sikora. (2020) Hydrolates: By-products of essential oil distillation: Chemical composition, biological activity and potential uses. *Advanced Technologies* 9, (2): 54-70. No IF.
14. **Smiljanic K**, Prodic I, Apostolovic D, Burazer L, Filipovic A, Veljovic DJ, Mutic J, van Hage M & Cirkovic Velickovic T In-depth quantitative profiling of post-translational modifications of timothy grass pollen allergome in relation to environmental oxidative stress. *Environment International* (2019), 126:644-658. doi:10.1016/j.envint.2019.03.001., IF<sub>2018</sub>: **7.943**, Environmental Sciences: **8/251**.
15. Prodic I.\*, **Smiljanic K.\***, Simovic A., Radosavljevic J., and Cirkovic Velickovic T. (2019) Thermal Processing of Peanut Grains Impairs Their Mimicked Gastrointestinal Digestion While Downstream Defatting Treatments Affect Digestomic Profiles. *Foods* 8(10), doi: 10.3390/foods8100463, \*equally contributing authors; IF<sub>2019</sub>: **4.092**, Food Science & Technology: **36/135**.
16. Prodic I, Stanic-Vucinic D, Apostolovic D, Mihailovic J, Radibratovic M, Radosavljevic J, Burazer L, Milcic M, **Smiljanic K**, van Hage M & Cirkovic Velickovic T. Influence of peanut matrix on stability of allergens in gastric-simulated digesta: 2S albumins are main contributors to the IgE-reactivity of short digestion resistant peptides. *Clin Exp Allergy* (2018), , DOI: 10.1111/cea.13113. IF<sub>2016</sub>: **5.264** (2016), Allergy: **4/26**.
17. **Smiljanic K**, Apostolovic D, Trifunovic S, Ognjenovic J, Perusko M, Mihajlovic L, Burazer L, van Hage M & Cirkovic Velickovic T (2017) Sub-pollen particles are rich carriers of major short ragweed allergens and NADH dehydrogenases: quantitative proteomic and allergomic study. *Clin Exp Allergy* **47(6)**, 815-828. IF<sub>2015</sub> **5.587**, Allergy: **4/26**.
18. Zivanovic M, Atanasković-Marković M, Medjo B, Gavrović-Jankulović M, **Smiljanić K**, Tmušić V, Djurić V. (2017) Evaluation of Food Allergy in Children by Skin Prick Tests with Commercial Extracts and Fresh Foods, Specific IgE and, Open Oral Food Challenge-Our Five Years Experience in Food Allergy Work-up. *Iranian Journal of Allergy, Asthma and Immunology* **16(2)**: 127-132. IF<sub>2015</sub> **1.117**
19. Mihailović J, Inic-Kanada A, **Smiljanic K**, Stein E, Barisani-Asenbauer T & Velickovic TC (2016) Lysine acetylation of major Chlamydia trachomatis antigens. *EuPA Open Proteomics* **10**, 63-69.
20. Mihajlovic L, Radosavljević J, Burazer L, **Smiljanic K** & Cirkovic Velickovic T (2015) Composition of polyphenol and polyamide compounds in common ragweed (*Ambrosia artemisiifolia* L.) pollen and sub-pollen particles. *Phytochemistry* **109**, 125-32. IF<sub>2013</sub> **3.350**.

21. Krstić M, Stojadinović M, **Smiljanic K**, Stanić-Vučinić D, Cirkovic Velickovic T (2015) The anti-cancer activity of green tea, coffee and cocoa extracts in human cervical adenocarcinoma HeLa cells depends on both pro-oxidant and anti-proliferative activities of polyphenols. *RSC Advances* **5**, 3260-3268. **IF<sub>2014</sub> 3.840**
22. **Smiljanic K**, Obradovic M, Jovanovic A, Djordjevic J, Dobutovic B, Jevremovic D, Marche P & Isenovic ER (2014) Thrombin stimulates VSMC proliferation through an EGFR-dependent pathway: involvement of MMP-2. *Mol Cell Biochem* **396**, 147-60. **IF<sub>2014</sub> 2.393**
23. Aleksic I, **Smiljanic K**, Gavrovic-Jankulovic M, Krsmanovic V, Burazer L (2014) The importance of cross-reactivity in grass pollen allergy. *Arch Biol Sci* **66**, 1149-1154. **IF<sub>2012</sub> 0.791**
24. Ognjenovic J, Milcic-Matic N, **Smiljanic K**, Vuckovic O, Burazer L, Popovic N, Stanic-Vucinic D & Velickovic TC (2013) Immunoproteomic characterization of Ambrosia artemisiifolia pollen allergens in canine atopic dermatitis. *Vet Immunol Immunopathol* **155**, 38-47. **IF<sub>2011</sub> 2.076**
25. **Smiljanic K**, Savic K, Jovanovic A, Zafirovic S, Obradovic M, Isenovic ER (2013) Role of the epidermal growth factor receptor in thrombin regulated vascular smooth muscle cells proliferation. *Medicinska Istrazivanja* **47**, 10-20. **No IF**
26. **Smiljanic K**, Savic K, Obradovic M, Putnikovic B, Dordevic J, Isenovic ER (2013) Role Of Pkc-delta And Erk1/2 In Trombin stimulated vascular smooth muscle cells proliferation. *Medicinska istrazivanja* **47**, 5-10. **No IF**
27. **Smiljanic K**, Zafirovic S, Obradovic M, Gluvic Z, Stokic E, Putnikovic B & Isenovic ER (2012) The role of thrombin in the proliferation of vascular smooth muscle cells (VSMCs) and atherosclerosis. *Medicinska istrazivanja* **46**, 44-53. **No IF**
28. Popovic M, **Smiljanic K**, Dobutovic B, Syrovets T, Simmet T & Isenovic ER (2012) Human cytomegalovirus infection and atherothrombosis. *J Thromb Thrombolysis* **33**, 160-72. **IF<sub>2012</sub> 1.985**
29. Popovic M, **Smiljanic K**, Dobutovic B, Syrovets T, Simmet T & Isenovic ER (2012) Thrombin and vascular inflammation. *Mol Cell Biochem* **359**, 301-13. **IF<sub>2012</sub> 2.329**
30. **Smiljanic K**, Dobutovic B, Obradovic M, Nikolic D, Marche P & Isenovic ER (2011) Involvement of the ADAM 12 in thrombin-induced rat's VSMCs proliferation. *Curr Med Chem* **18**, 3382-6. **IF<sub>2011</sub> 4.859**
31. Haidara M, Mikhailidis DP, Yassin HZ, Dobutovic B, **Smiljanic KT**, Soskic S, Mousa SA, Rizzo M & Isenovic ER (2011) Evaluation of the possible contribution of antioxidants administration in metabolic syndrome. *Curr Pharm Des* **17**, 3699-712. **IF<sub>2010</sub> 4.774**
32. Dobutovic B, **Smiljanic K**, Soskic S, Düngen H-D & Isenovic ER (2011) Nitric oxide and its role in cardiovascular diseases. *The open nitric oxide journal* **3**, 65-71. **No IF**
33. Isenovic ER, Fretaud M, Dobutovic B, Sudar E, **Smiljanic K**, Zaric B, Trpkovic A & Marche P (2009) A novel hypothesis regarding the possible involvement of cytosolic phospholipase 2 in insulin-stimulated proliferation of vascular smooth muscle cells. *Cell Biol Int* **33**, 386-92. **IF<sub>2009</sub> 1.800**
34. Bitar MS, **Bajic KT**, Farook T, Thomas MI & Pilcher CW (1999) Spinal cord noradrenergic dynamics in diabetic and hypercortisolaemic states. *Brain Res* **830**, 1-9. **IF<sub>1999</sub> 2.302**

#### Book chapters

1. **Katarina Smiljanić**, Jelena Mihailovic, Ivana Prodić, Teodora Đukić, Tamara Vasović, Vesna Jovanović and Tanja Ćirković Veličković. (2020). Trypsin as a Proteomic Probe for Assessment of Food Protein Digestibility in Relation to Chemical and Post-translational Modifications. In J. Radosavljevic (Ed.), A Closer Look at Proteolysis, Chapter 4., NY. USA: Nova Science Publishers, Inc.
2. Ivana Prodić, **Katarina Smiljanić** and Jelena Radosavljevic. (2020). Food Allergens' Susceptibility to Proteolysis. In J. Radosavljevic (Ed.), A Closer Look to Proteolysis. Chapter 6, NY, USA: Nova Science Publishers, Inc.

3. Vesna Jovanović and **Katarina Smiljanić**. (2020). Proteases: Our Friends or Foes. In J. Radosavljevic (Ed.), A Closer Look at Proteolysis. Chapter 1, Hauppauge, NY, 11788 USA: Nova Science Publishers, Inc.
4. Sudar E, Soskc S, Zaric BL, Rasić-Milutinović Z, **Smiljanic K**, Radak D, Mikhailidis DP, Rizzo M & Isenovic ER (2012) Ghrelin, obesity and atherosclerosis in *GHRELIN, Production, Action Mechanisms and Physiological Effects* (Hiromasa Yamada, K. T., ed) pp. 111-126, Nova Science Publishers, Inc., New York. **No IF**

#### INTERNATIONAL CONFERENCE PROCEEDINGS since 2011:

1. **Smiljanić K.**, Đukić T., Vasović T., Prodić I., Jovanović V., Ćirković Veličković T. Effects of lysine's and arginine's modifications on trypsin proteolytic efficacy imposed before and after peanut roasting, Book of abstracts, ItPA, HPS and SePA XV International Congress „Proteomics and metabolomics for personalized medicine”, poster session P 28, pp 71-71 , Rome, Italy 8-10 September 2021.
2. Jovanović V., **Smiljanić K.**, Lujić T., Djukic T., Ćirković Veličković T. Effects of extraction conditions on proteins' profiles of *Tenebrio molitor*, Book of abstracts, ItPA, HPS and SePA XV International Congress „Proteomics and metabolomics for personalized medicine”, poster session P10, pp 53-53, Rome, Italy 8-10 September 2021.
3. Teodora Djukic, Maja Mladenovic, Dragana Stanic-Vucinic, Jelena Radosavljevic, **Katarina Smiljanic**, Ljiljana Sabljic, Marija Gnjatovic, Danica Cujic, Tamara Vasovic, Ana Simovic, Mirjana Radomirovic and Tanja Cirkovic Velickovic. Proteomic and immunological characterization of recombinantly expressed nucleocapsid SARS-CoV2 protein fragment in *E. Coli*. Book of abstracts, ItPA, HPS and SePA XV International Congress „Proteomics and metabolomics for personalized medicine”, poster session P22, pp 57-57, Rome, Italy 8-10 September 2021.
4. Maja Mladenovic, Danijela Apostolovic, **Katarina Smiljanić**, Vesna Jovanović & Tanja Ćirković Veličković. The immunoproteomics reveals novel potential allergens in ark clam seashells, beside abundant tropomyosin. Book of abstracts, ItPA, HPS and SePA XV International Congress „Proteomics and metabolomics for personalized medicine”, poster session P18, pp 55-55, Rome, Italy 8-10 September 2021.
5. Marija Lj. Gnjatovic, Teodora P. Djukic, Dragana J. Stanic-Vucinic, Jelena Z. Radosavljevic, **Katarina T. Smiljanic**, Ljiljana Z. Sabljic, Danica R. Cujic, Tamara D. Vasovic, Ana S. Simovic, Aleksandra N. Todorovic, Maja S. Mladenović, Mirjana Z. Radomirovic, Tanja D. Cirkovic Velickovic. Serological ELISA test development at the INEP Institute, Book of abstracts pp 18-18, 3<sup>rd</sup> FoodEnTwin Workshop „Business meets Academia”, Belgrade, Serbia, 15 June 2021.
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