

Assoc. Prof. Dr Tanja Cirkovic Velickovic
Curriculum vitae

Personal data and education

Born in Yugoslavia (now Serbia), on 16 of September 1972.

2002 PhD in Biochemistry, Faculty of Chemistry, University of Belgrade (FCUB), Serbia

1999 MSc in Biochemistry, FCUB, Serbia

1995 BSc in Biochemistry, FCUB, Serbia

Employment

2008 - present Associate Professor, FCUB, Serbia

2011 Visiting researcher at University of Illinois, Chicago, USA (3 months)

2003 – 2008 Assistant Professor, FCUB, Belgrade, Serbia

2004-2005 Postdoctoral Fellow at the Karolinska Institute, Stockholm, Sweden

1995 – 2003 Teaching Assistant FCUB, Serbia

Other activities

2011-2015 Member of the MC of the COST Action FA1005 (Infogest)

2010 – present President of the Molecular Food Research Section of the Serbian Chemical Society

2009 - present Food Chemistry Division Member (EuChemMS)

2007 - 2010 Vice-Dean for Education, FCUB, Serbia

2008 Accreditation Committee Expert of the Ministry of Education of Serbia

2006 – 2010 Member of the MC of the COST Action 928

Member

European Academy of Allergology and Clinical Immunology (EAACI)

Jugoslav Association of Immunologists and Allergologists

Serbian Chemical Society (SCS)

Biochemical Society of Serbia

Teaching activity:

Courses: Chemistry of Natural Products, Enzymology, Contemporary Biochemical Methods

Supervisor of defended PhD theses: 4

PhD projects supervised at the moment: 6

Editorial board member

Food Digestion journal

Reviewer

British Journal of Nutrition, Food Chemistry, Food Control, Protein Journal, Journal of Agricultural and Food Chemistry, Allergy, Immunobiology, Journal of Separation Science, Journal of the Serbian Chemical Society, Behrein Biologist, International

Archives of Allergy and Immunology, Enzyme and Microbial Technology, Food Digestion and Journal of Chromatography, B

Fellowships

EAACI Research Fellowship Award (2004)

Coimbra Group Academic Mobility Scheme Program Fellowship Award (2003)

DAAD Fellowship (2000)

Awards

Medal for the very best young researcher in 2005 in Serbia from the Serbian Chemical Society (2005)

Award (A1 category) by the Serbian government (2004)

JMA Poster Prize at the JMA EAACI Poster Session in Paris (2003)

Award for successful young scientists by the Serbian government (2000)

Projects and grants

ON172024 “Structure and modifications of some respiratory and nutritional allergens”, funded by the Serbian Ministry of Research and Technological Development (2011-2014,

FP7-RegPot2010-5 FCUB-ERA “Reinforcement of the Faculty of Chemistry, University of Belgrade, towards becoming a centre of excellence in the region of WB for molecular biotechnology and food research”, project coordinator (2010-2013)

MSDP “MS in Biochemistry” Grant from the WUS Austria, project coordinator (2008-2010),

Monographs, chapters in a book

1. Stanic, Dragana; Radosavljevic, Jelena; Stojadinovic, Marija; Cirkovic Velickovic, Tanja. **Application of Ion-exchanger in the Separation of Whey Proteins and Lactin from Milk Whey**. In: Ion-exchange Technology II - Applications (2012), Springer, Inamuddin; Luqman, Mohammad (Eds.), ISBN 978-94-007-4025-9
2. Stanic-Vucinic, Dragana; Cirkovic Velickovic, Tanja. **Enzymatic and chemical modifications of food allergens**. In: Allergic Diseases - highlights in the clinic, mechanisms and treatment (2012), InTech Open Access Publisher, Celso Pereira (Ed.), ISBN 978-953-307-986-8
3. Tanja Cirkovic Velickovic, Jana Ognjenovic and Luka Mihajlovic. **Separation of Amino Acids, Peptides and Proteins by Ion-Exchange Chromatography**. In Ion-exchange Technology II- Applications (2012), Inamuddin; Luqman, Mohammad (Eds.), ISBN 978-94-007-4025-9
4. Ward R, Cirkovic-Velickovic T, Ledecque F, *et al.* **Neuroprotection by taurine and taurine analogues**. Adv Exp Med Biol 2006;583:299-306. In Taurine 6

Selected references

1. Stojadinovic M, Burazer L, Ercili-Cura D, Sancho A, Buchert J, Cirkovic Velickovic T,

- Stanic-Vucinic D: **One-step method for isolation and purification of native beta-lactoglobulin from bovine whey.** *Journal of the Science of the Food and Agriculture*, 2012. DOI 10.1002/jsfa.4722
2. Tantoush Z, Apostolovic D, Kravic B, Prodic I, Mihajlovic D, Stanic-Vucinic D, Cirkovic Velickovic T: **Green tea catechins of food supplements facilitate pepsin digestion of major food allergens, but hampers their digestion if oxidized by phenol oxidase.** *Journal of Functional Foods* 2012, 10.1016/j.jff.2012.04.006
 3. Ziyad Tantoush, Dragana Stanic, Marija Stojadinovic, Jana Ognjenovic, Luka Mihajlovic, Marina Atanaskovic-Markovic, Tanja Cirkovic Velickovic. **Digestibility and allergenicity of β -lactoglobulin following laccase-mediated cross-linking in the presence of sour cherry phenolics.** *Food Chemistry*, **125(1)**, 2011, 84-91
 4. Stanic D, Monogioudi E, Dilek E, Radosavljevic J, Atanaskovic-Markovic M, Vuckovic O, Raija L, Mattinen M, Buchert J, Cirkovic Velickovic T: **Digestibility and allergenicity assessment of enzymatically crosslinked beta-casein.** *Mol Nutr Food Res* 2010, **54(9)**:1273-1284.
 5. Radosavljevic J, Dobrijevic D, Jadranin M, Blanusa M, Vukmirica J, Cirkovic Velickovic T: **Insights into proteolytic processing of the major peanut allergen Ara h 2 by endogenous peanut proteases.** *Journal of the Science of Food and Agriculture* 2010, **90(10)**:1702-1708.
 6. Polovic N, Obradovic A, Spasic M, Plecas-Solarovic B, Gavrovic-Jankulovic M, Cirkovic Velickovic T: **In vivo digestion of a thaumatin-like kiwifruit protein in rats.** *Food Digestion* 2010, **1(1-2)**:5-13.
 7. Cirkovic Velickovic T, Radosavljevic J, Stanic D: **Digestibility of food allergens.** *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources* 2009, **4(6)**.
 8. Stanic D, Radosavljevic J, Polovic N, Jadranin M, Popovic M, Vuckovic O, Burazer L, Jankov R, Cirkovic Velickovic T: **Removal of N-terminal peptides from beta-lactoglobulin by proteolytic contaminants in a commercial phenol oxidase preparation.** *International Dairy Journal* 2009, **19(12)**:746-752.
 9. Polovic ND, Pjanovic RV, Burazer LM, Velickovic SJ, Jankov RM, Cirkovic Velickovic TD: **Acid-formed pectin gel delays major incomplete kiwi fruit allergen Act c 1 proteolysis in in vitro gastrointestinal digestion.** *Journal of the Science of Food and Agriculture* 2009, **89(1)**:8-14.
 10. Perovic I, Milovanovic M, Stanic D, Burazer L, Petrovic D, Milcic-Matic N, Gafvelink G, van Hage M, Jankov R, Cirkovic Velickovic T: **Allergenicity and immunogenicity of the major mugwort pollen allergen Art v 1 chemically modified by acetylation.** *Clinical and Experimental Allergy* 2009, **39(3)**:435-446.
 11. Atanaskovic-Markovic M, Gaeta F, Gavrovic-Jankulovic M, Cirkovic Velickovic T, Valluzzi RL, Romano A: **Tolerability of imipenem in children with IgE-mediated hypersensitivity to penicillins.** *Journal of Allergy and Clinical Immunology* 2009, **124(1)**:167-169.
 12. Cirkovic Velickovic T, Thunberg S, Polovic N, Neimert-Andersson T, Gronlund H, van Hage M, Gafvelin G: **Low levels of endotoxin enhance allergen-stimulated proliferation and reduce the threshold for activation in human peripheral blood cells.** *International Archives of Allergy and Immunology* 2008, **146(1)**:1-10.
 13. Gavrovic-Jankulovic M, Spasic M, Cirkovic Velickovic T, Stojanovic M, Inic-Kanada A, Dimitrijevic L, Lindner B, Petersen A, Becker WM, Jankov RM: **Quantification of the thaumatin-like kiwi allergen by a monoclonal antibody-based ELISA.** *Molecular Nutrition & Food Research* 2008, **52(6)**:701-707.
 14. Polovic N, Blanusa M, Gavrovic-Jankulovic M, Atanaskovic-Markovic M, Burazer L,

- Jankov R, Cirkovic Velickovic T: **A matrix effect in pectin-rich fruits hampers digestion of allergen by pepsin in vivo and in vitro.** *Clinical and Experimental Allergy* 2007, **37**(5):764-771.
15. Kaiser L, Velickovic TC, Badia-Martinez D, Adedoyin J, Thunberg S, Hallen D, Berndt K, Gronlund H, Gafvelin G, van Hage M *et al*: **Structural Characterization of the Tetrameric form of the Major Cat Allergen Fel d 1.** *Journal of Molecular Biology* 2007, **370**(4):714-727.
16. Blanus M, Perovic I, Popovic M, Polovic N, Burazer L, Milovanovic M, Gavrovic-Jankulovic M, Jankov R, Velickovic TC: **Quantification of Art v 1 and Act c 1 being major allergens of mugwort pollen and kiwi fruit extracts in mass-units by ion-exchange HPLC-UV method.** *Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences* 2007, **857**(2):188-194.