

## PERSONAL INFORMATION: Prof. Dr. Vesna Levkov



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**Sex:** Female | **Date of birth:** 24.02.1974 | **Nationality:** Macedonian

**Position:** Dr.sc./ Ph.D – Full Professor

## EDUCATION AND WORK EXPERIENCE:

- 2023 Position: Head of Laboratory (Adjudgement No 02-528/1 from 04.10.2023)- till present  
Address: "Ss Cyril and Methodius" University in Skopje, Institute of Animal Science and Fishery – Skopje, Blvd. Ilinden, 92A, 1000, Skopje, Macedonia,  
Position: authorization to perform activities from the scope of higher education activity (Adjudgement No 03-527 from 04.10.2023)- till present  
Member of University Senat at "Ss Cyril and Methodius" University in Skopje  
  
Title: Full Professor at "Ss Cyril and Methodius" University in Skopje, Institute of Animal Science and Fishery – Skopje, Blvd. Ilinden, 92A, 1000, Skopje, Macedonia,
- 2019 Position: Deputy Director atin the period from December 2019 to September 2020 (Adjudgement No. 0201-738 од 11.12.2019)
- 2018 Title: Associate Professor at "Ss Cyril and Methodius" University in Skopje, Institute of Animal Science and Fishery – Skopje, Blvd. Ilinden, 92A, 1000, Skopje, Macedonia, (Adjudgement No. 0201-484 од 03.07.2018)
- 2013 Title: Assistant Professor at "Ss Cyril and Methodius" University in Skopje, Institute of Animal Science and Fishery – Skopje, Blvd. Ilinden, 92A, 1000, Skopje, Macedonia, (Adjudgement No. 0201-7044 од 23.08.2013)  
Education: PhD in Agricultural Science, "Composition and dynamic of technological significant microorganisms throughout traditional manufacturing of beaten cheese". "Ss Cyril and Methodius" University in Skopje, Faculty of Agricultural Sciences and Food.
- 2005 Position: Teaching Assistant at Pubic Scientific Institut in Skopje, Str. "Ile Ilievski" 92a, 1000 Skopje  
Education: MSci in Biology, "Changes in composition and number of microorganisms during the manufacturing and ripening of beaten cheese from Tetovo region". "Ss Cyril and Methodius" University in Skopje, Faculty of Natural Science and Mathematics.
- 1998 Position: Research Assistant at Pubic Scientific Institut in Skopje, Str. "Ile Ilievski" 92a, 1000 Skopje
- 1997 Education : Graduated Bilogy Engineer. "Ss Cyril and Methodius" University in Skopje, Faculty of Natural Science and Mathematics.

## TRAININGS, CONFERENCES, SYMPOSIUMS, CONGRESSES, WORKSHOPS:

Date from Date to	Location	Company	Description
3-4.02.2024	Trnica, Mavrovo Rostusha R. Macedonia	Prof. Natasha Mateva	Workshop: Contribution to rural development - protection of traditional dairy products
26.02.2024	Rektorate of "Ss Cyril and Methodius" University in Skopje	"Ss Cyril and Methodius" University in Skopje	Workshop: Artificial intelligence in education and science
25.04.2024	Macedonian Academy of Sciences and Arts	Macedonian Assotiation of Medical Editors	Conference: Scientific and publishing integrity in biomedicine
23.1.2023	Online	ISEKI-Food Association EFFOST	Webinar:Microorganisms as an enabler of future sustainable food systems
24.02.2023	Online	ISEKI-Food Association Health Fern	Webinar: Impact of microbial fermentation on food composition and nutritional attributes
14-18.02.2022	Online	BTSF Course 1 about Chemical Risk Assesment	Trening: Chemical risk assessment - risk assessment of feed and food
7.09.2022	Hotel Holiday In Skopje	Food and Veterinary Agency	Workshop: Risk assessment: a review of principles and practical aspects
1-3 September 2021	Online Edirne, Turkey	Trakya University, Edirne, Turkey	Scientific conference: II International Agricultural, Biological and Life Science, Agrobiol Chages of nutritional characteristics of fermented whey with kefir grains-a preliminary results, poster presentation
20-21 June 2019	Istanbul, Turkey	Agrofood Conference	Scientific conference:International Conference on Agronomy and Food Science & Technology Yeast and mould species evolving during production of traditional Beaten cheese. Poster presentation

## PERSONAL SKILLS

Mother tongue(s)Macedonian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Communication skills - good communications skills gained through working with colleagues, students, professors and members of projects teams

- Cooperative with project team, capable for teamwork
- Participate in self- developing skills through participation on workshops, webinars, conferences

Organisational / managerial skills - Currently Head of Laboratory in Department of Nutrition and Food stuff processing

Job related skills - Long term experience and knowledge in laboratory work and organisation. Writing, organising and realization of scientific or research national or international project and project proposals.

- Currently engaged in realisation of educational activity in the Institute of Animal Science and Fishery
- Focused and determined in execution of duties in a certain time frame (within the deadline)

Computer skills• Good command in MS Office

Driving licence• B

#### ADDITIONAL INFORMATION

#### Publications (Scientific papers) in last 5 years

1.	Daniela Belichovska, Zlatko Pejkovski, Aleksandra Silovska Nikolova, Katerina Belichovska, Vesna Levkov, Dana Uzhevskazhdovska (2025). Possibility of extending shelf life of cevapcici. Meat Technology, 66 (1): 27-35
2.	Mirjana Menkovska, Natasha Gjorgovska, <b>Vesna Levkov</b> , Desimir Knežević, Nikola Pacinovski (2024). The importance of food systems for cereal application in human and animal nutrition. 11-th JEEP International Scientific Agribusiness Conference-MAK2024. Food for the Future, Vision of Serbia, The Region and SE Europe. Kopaonik, 02-04.02.2024
3.	Svetlana Grigorova, Natasha Gjorgovska, Maria Todorova, <b>Vesna Levkov</b> . (2023) Use of Grape Marc Flour Supplementation in Laying Hens' Diet on Laying Productivity, Egg Quality and Biochemical Parameters. Veterinarija i Zootehnika, 81 (2), 62-69.
4.	<b>Vesna Levkov</b> , Natalija Atanasova-Panchevska, Daniela Belichovska, Sandra Mojsova, Natasha Gjorgovska (2022). Fermented plant based products in everyday nutrition in Macedonia and their potential of probiotic vectors. Macedonian Journal of Animal Science, 12 (1-2):45-54
5.	<b>Vesna Levkov</b> , Daniela Bechovska, Elena Eftimova (2022). The number and composition of yeast and moulds developing in beaten cheese produced in industrial capacity. Macedonian Journal of Animal Science, 12 (1-2):65-71
6.	Nikola Pacinovski, Elena Eftimova, <b>Vesna Levkov</b> , Nataša Mateva, Daniela Belichovska, Ljupčo Angelovski, Ana Palaševska, Danail Šutevski. (2022) Variability of some production traits of Karakachanian sheep in Macedonia. Macedonian Journal of Animal Science, 12 (1-2):5-12
7.	Elena Eftimova, Nikola Pacinovski, Ana Palaševska, Daniela Belichovska, <b>Vesna Levkov</b> (2022). Goat breeding in the Republic of North Macedonia – situation and perspective. Macedonian Journal of Animal Science, 12 (1-2):13-20
8.	Daniela Belichovska, Zlatko Pejkovski, Aleksandra Silovska Nikolova, Katerina Belichovska, <b>Vesna Levkov</b> , Nikola Pacinovski, Elena Eftimova, Mimi Kratovalieva Stanikevska (2022). Possibilities for pork fat, phosphate and nitrite replacement in chicken frankfurter production, Macedonian Journal of Animal Science, Macedonian Journal of Animal Science, 12 (1-2):55-62
9.	<b>Vesna Levkov</b> , Elizabeta Coneva, Natsha Gjorgovska, Daniela Belichovska (2022). Nutritional characteristics and antimicrobial potential of goat whey fermented with kefir grains. Journal of Mountain Agriculture on the Balkans, 25 (5), 39-57
10.	Svetlana Grigorova, Natasha Gjorgovska, Evgeni Petkov, <b>Vesna Levkov</b> (2022) Evaluation of the Effects of Urtica Dioica L. Supplementation on Egg Quality and Blood Parameters in Laying Hens. Veterinarija i Zootehnika, 80(1):35-40
11.	I. Golubanova, P. Marinov-Serafimov, N. Gjorgovska, <b>V. Levkov</b> , (2022). Effect of vegetative application of herbicides on the quality of silage from <i>Sorghum vulgare</i> var. <i>technicum</i> [Körn.], Journal of Mountain Agriculture of the Balkans Vol. 25 (6), 242-257
12.	P. Marinov-Serafimov, I. Golubanova, G. Tzvetanova, <b>V. Levkov</b> , N. Gjorgovska (2022). Influence of pre-sowing treatment of seeds with Siliplant on initial growth of alfalfa ( <i>Medicago sativa</i> L.) Journal of Mountain Agriculture of the Balkans, Vol. 25 (5), 272-290.
13.	Pacinovski Nikola, Eftimova Elena, Mateva Natasha, <b>Levkov Vesna</b> , Belichovska Daniela, Palasevska Ana, Shutevski D. Conditions and trends in the sheep-breeding sector in R. Macedonia. 4th International Symposium: Modern Trends in Agricultural Production, Rural Development, Agro-economy, Cooperatives and Environmental Protection, Vrnjačka Banja, Serbia, 29 – 30. Jun, 2022. Book of Proceedings, pp.150-168
14.	Daniela Belichovska, <b>Vesna Levkov</b> , Katerina Belichovska, Natasha Gjorgovska, Suzana Duraku (2022) Fishpond sediment as a fertilizer or food supplement. International Conference Contaminated Sites, Senec Slovak Republic, 12-14 October, 2022

15.	Svetlana Grigorova, Natasha Gjorgovska, <b>Vesna Levkov</b> (2021). Effects of rosehip feed supplementation on egg quality parameters, yolk lipid oxidation and blood parameters of laying hens. Iranian Journal of Applied Animal Science (IJAAS), Volume 11 (4): 827-833 (IF= 0.23)
16.	Trajche Dimitrovski, Natasha Gjorgovska, <b>Vesna Levkov</b> , Danica Andreevska, Dobre Andov (2021) Physicochemical grain properties of the weedy rice complex in North Macedonia. <i>Bulgarian Journal of Agricultural Science</i> , 27( 4): 798–803 (IF=0,25)
17.	<b>Vesna Levkov</b> , Elizabeta Coneva, Natasha Gjorgovska, Natasha Mateva, Daniela Belichovska. Changes of Nutritional Characteristics of Whey Fermented with Kefir Grains - A Preliminary Results. International Journal of Innovative Approaches in Agricultural Research, 2021, 5 (4), 424-433
18.	Natasha Gjorgovska, Svetlana Grigorova, <b>Vesna Levkov</b> (2021) Application of Rose Hip Fruits as Feed Supplement in Animal Nutrition. Journal of Agriculture Food and Development, 7, 12-15
19.	Natasha Gjorgovska, Svetlana Grigorova, Desislava Abadjieva, Vesna Levkov, Daniela Belichovska (2020) Nutritional potential of the modified eggs with bioactive components. Macedonian Journal of Animal Science, 10(1-2): 17-21.
20.	Dimitrovski, D. Andreevska, D. Andov, N. Gjorgovska, <b>V. Levkov</b> (2020). Some Quality Properties of Tropical Cucurbits Chayote ( <i>Sechium edule</i> (Jacq.) Sw.), Bitter Melon ( <i>Momordica charantia</i> L.) and Kiwano ( <i>Cucumis metuliferus</i> E.Mey) Produced in the Temperate Climate Conditions of North Macedonia. Journal of Mountain Agriculture on the Balkans, 23 (3), 234-246
21.	<b>V. Levkov</b> , N. Gjorgovska and S. Mojsova (2019). Yeast and mould species evolving during production of traditional Beaten cheese. International Conference on Agronomy and Food Science & Technology, Agrofood Conference E-Book. 20-21 June, Istanbul, Turkey, 64-72
22.	D. Andreevska, D. Andov, N. Gjorgovska, <b>V. Levkov</b> , M. Menkovska, S. Grigorova, T. Dimitrovski (2018). Estimation of protein digestibility in bran from different rice varieties. Macedonian Journal of Animal Science, Vol.8 (2), 97-100
23.	Mateva N., <b>Levkov V.</b> , Srbinska S., Santa D., Mojsova S., Sulejmani E., (2019). Characteristics of Traditional Cheeses Produced in the Republic of North Macedonia. In (Eds): Celile Aylin Oluk and Oya Berkay Karaca, Current Developments in Food and Nutrition Research. Vol.1, Traditional Cheeses from Selected Regions in Asia, Europe and South America, Bentham Science Publisher, LTD Singapur DOI:10.2174/97898114323611200101 Book chapter

#### Projects (Realized – National and International) in last 5 years

1.	Improving conditions in livestock farming in the republic of N. Macedonia, through improving quality of animal feed, animal products and animal processed products 2024-2026 – participant. Financed by: Ministry of Agriculture, Forestry and Water Economy of the Republic of N. Macedonia.
2.	Evaluation of the footprint of poultry waste generated during egg production in farm conditions 2024. - participant Financed by: Ministry of Environment & Physical Planning of the Republic of Macedonia
3.	Traditional fermented food – a treasure trove of microbial diversity? 2022. - leader Financed by: Ministry of Environment & Physical Planning of the Republic of Macedonia
4.	Evaluation of the quality of meat processing in the trade network 2021 - participant Financed by: Ss. Cyril and Methodius University in Skopje
5.	Qualitative characteristics of species of the genus Sorghum. International project with the Institute for Forage Crops in Pleven, Republic of Bulgaria 2021-2023 International project - participant
6.	Effect of periodic use of probiotic feed on growth and meat quality of carp grown in an intensive cage system 2020 - participant Financed by: Ss. Cyril and Methodius University in Skopje
7.	Determination of nutritional characteristics of fermented whey 2019 - leader Financed by: Ss. Cyril and Methodius University in Skopje

#### Member of the editorial board of Macedonian Journal of Animal Science

#### Fields of Research:

Microbiology of cheese, Microbiology of milk and milk products, Quality and safety of traditional cheese and dairy products, Food quality and safety, Feed quality and safety, Microbiological and chemical characteristics of feed.