



Dushica Santa

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📍 **Work** : 16ta Makedonska Brigada No 3, 1000, Skopje, North Macedonia

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☎ **Phone**: (+389) 0038970375546

Date of birth: 03/05/1979 **Nationality**: Macedonian/citizen of the Republic of North Macedonia

WORK EXPERIENCE

[2020 – Current]

Associate Professor

Faculty of Agricultural Sciences and Food, Ss. Cyril and Methodius University in Skopje

City: 1000 | **Country**: North Macedonia

Lectures/ practical work on Technology of milk and dairy products, Principles of Food safety and Quality, Food safety and quality management. Working with students' groups on laboratory practice and student's internships in the food industry

[2015 – 2020]

Assistant Professor

Faculty of Agricultural Sciences and Food - Skopje, Ss. Cyril and Methodius University in Skopje

City: Skopje | **Country**: North Macedonia

Lectures/ practical work on Technology of milk and dairy products, Principles of Food safety and Quality, Food safety and quality management. Working with students' groups on laboratory practice and student's internships in the food industry

[2012 – 2015]

Assistant

Faculty of Agricultural Sciences and Food - Skopje, Ss. Cyril and Methodius University in Skopje

City: Skopje | **Country**: North Macedonia

Practical work with students on Technology of milk and dairy products, Principles of Food safety and Quality, Food safety and quality management

[2008 – 2012]

Assistant

Faculty of Technology and Technical sciences, University St. Kliment Ohridski Bitola

City: Veles | **Country**: North Macedonia

Practical work with students on Technology of milk and dairy products, Food safety and quality management, Technology of meat products

[2005 – 2008]

Associate in Risk analysis department

Food Directorate, Ministry of health

City: Skopje | **Country**: North Macedonia

Scientific and expert affairs in food safety and international cooperation, risk analysis

EDUCATION AND TRAINING

- [2009 – 2015] **PhD in agricultural sciences (dairy science)**
Faculty of Agricultural Sciences and Food- Skopje, Ss. Cyril and Methodius University in Skopje <http://www.fzh.ukim.edu.mk>
City: Skopje | Country: North Macedonia |
- [2005 – 2008] **MSc in food safety and quality**
Studies organized by group of European Universities and Ss. Cyril and Methodius University https://ukim.edu.mk/en_index.php
City: Skopje | Country: North Macedonia |
- [1997 – 2004] **BSc in Food technology and biotechnology**
Faculty of Technology and Metallurgy, Ss. Cyril and Methodius University, Skopje <https://www.tmf.ukim.edu.mk>
City: Skopje | Country: North Macedonia |
- [25/03/2024 – 27/03/2024] **Certificate, Learning, Teaching, Training Activities: Development of a bank of a scenario for teaching and creating continuous support for the improvement of ALT in NEIs,**
Erasmus project Heal-in-One <https://heal-in-one.agrif.bg.ac.rs>
City: Skopje | Country: North Macedonia |
- [07/2023 – 07/2023] **Certificate, InfraBooster Foundation (online training)**
EIT Food Learning services, EIT Food Assessment <https://www.eitfood.eu/projects/infrabooster>
City: Warsaw | Country: Poland |
- [02/10/2023 – 05/10/2023] **Certificate, Online training on food composition data collection and documentation**
National Agricultural and Food Centre - Food Research Institute <https://www.vup.sk/en/?mainID=1&navID=45>
Country: Slovakia |
- [02/2023 – 03/2023] **Certificate, Conducting an Intervention Review (online training)**
Cochrane <https://training.cochrane.org/cochrane-training>
Country: United Kingdom |
- [16/08/2021 – 20/08/2021] **Certificate, 9th BfR-Summer Academy 2021: Lecture Series online at the German Federal Institute for Risk Assessment (BfR).** <https://www.bfr.bund.de/en/home.html>
Country: Germany |
- [08/11/2018 – 09/11/2018] **Certificate, Internal Assessor Training on the standard EN ISO / IEC 17025: 2018 and EN ISO 19011:2018**

Accreditation Institute of the Republic of Macedonia – Skopje.

Country: North Macedonia |

[03/11/2014 – 07/11/2014]

Certificate, Advanced Course on Management of Microbiological Hazards in Food

Wageningen University, The Netherlands https://www.vlaggraduateschool.nl/upload_mm/a/4/d/7937b589-433f-4c5f-a735-e11733b800e7_Poster_MMHF_final.pdf

City: Wageningen | **Country:** Netherlands |

[13/10/2013 – 26/10/2013]

Certificate, 12th International Postgraduate Course on Production and Use of Food Composition Data in Nutrition

Wageningen University, The Netherlands <https://www.wur.nl/en/activity/16th-international-postgraduate-course-the-production-and-use-of-food-composition-data-in-nutrition.htm>

City: Wageningen | **Country:** Netherlands |

[09/12/2009 – 11/12/2009]

Training course in Measurement Uncertainty Estimation for chemists and microbiologists

Programme Quality and Regulatory infrastructure Development in R. Macedonia

[03/09/2004 – 24/09/2004]

Water treatment, analytical methods for water characterization and toxicological tests

Centre of Sensor Technology, Faculty of Mechanical Engineering, University of Maribor, Slovenia

PROJECTS

[03/2022 – Current]

Erasmus HEAL-in-ONE Project KA220-HED, From digital technology to educational tools

From digital technology to educational tools: Improving the quality (анг. „From digital technology to educational tools: Improving the quality of active learning and teaching in the online and hybrid environment in applied disciplines of agricultural sciences - HEAL-in-ONE").KA220-HED - Collaborative Partnership in Higher Education.2022-2025.

[05/2024 – Current]

Ecomapping in Micro and Small Enterprises in the Food Sector

Ministry of Environment and Physical Planning of the Republic of North Macedonia

[09/2023 – Current]

COST Action CA22134, Sustainable Network for agrofood loss and waste prevention, management, quantification and valorisation (FoodWaStop)

- Member of WG3, Quantification of food loss and food waste
- Member of WG5, Cross-cutting strategies and smart systems for food management

[10/2020 – 10/2024]

COST Action CA19124, Rethinking packaging for circular and sustainable Food Supply Chains of the future, CA19124

Member of Working group for dairy products

- [11/2021 – Current] **COST Action CA20128, Promoting Innovation of ferMENTed fOods (PIMENTO)**
- Management Committee member
 - Member of WG 2 for Cartography of Fermented Foods in the diet of COST Countries
 - Member of WG3 Health benefits and risks of fermented foods, co-leader of a sub-group for Health benefits of ethnic fermented food
- [06/2023 – 11/2023] **Assessment of Food Waste in Households and Its impact on Greenhouse gas emissions (CO₂-e),**
- Ministry of Environment and Physical Planning of the Republic of North Macedonia
- [07/2023 – 07/2023] **Interreg IPA-CBC, IDEAS, Innovations, development and employment in Agricultural Sector**
- Training on EU regulations on health and food safety, HACCP and ISO 22000 food safety management systems
- [08/2022 – 05/2023] **Support to the development of the National Food Security Strategy" (TCP/MCD/3805/C4)**
- Food and Agricultural Organization of United Nations and Rural development Network of Republic of N.Macedonia
- [07/2022 – 11/2022] **Determination of Carbon Footprint (CO₂e) in the dairy industry**
- Ministry of Environment and Physical Planning of the Republic of North Macedonia
- [03/2017 – 09/2021] **COST Action CA16123, Safety Culture and Risk Management in Agriculture (SACURIMA)**
- MC member
 - Member of WG1, Inventory of national approaches in agricultural safety and health
 - Member of WG2, Innovative tools for measuring safety culture in agriculture
- [2015 – 2019] **National project: Program for protection livestock biodiversity (traditional dairy products),**
- Research in the field of traditional dairy products, Ministry of Agriculture, Forestry and Water Economy, Macedonia
- [2013 – 2019] **National breeding cattle program**
- Milk testing, coordinator: Ministry of Agriculture, Forestry and Water Economy, Macedonia
- [03/2013 – 03/2014] **National project: Study of microbial biodiversity on some traditional dairy products in R. Macedonia,**
- Participant in the project, Ministry of Environment and Physical Planning, Macedonia

- [02/2008 – 11/2016] **Preparatory Measures for the participation for the Candidate and Potential Candidate Countries in EFSA, European Commission**
- Pre-Accession assistant Coordinator, support the national Coordinator in Food and Veterinary Agency
- [01/2010 – 12/2012] **TEMPUS project – Improving Academia-Industry links in food safety and quality**
- Included in the activities of the implementation of the project

PUBLICATIONS

- [2011] **Border Control Assessment of food of nonanimal origin**
- Reference:** Santa D., Srbinovska S.
- European Hygienic Engineering and Design Group Journal.
- [2013] **Challenges for implementation of ISO 22000 - A case study in ice cream factory.**
- Reference:** Santa D., Nikolovska-Nedelkoska D., Kalevska T., Damjanovski D.
- International Scientific Conference "Food Science, Engineering and Technologies, Plovdiv, Bulgaria
- [2014] **Traditional production and main characteristics of Galichki kashkaval**
- Reference:** Santa D., Srbinovska S. Mljekarstvo 64 (2), 119-126
- Composition and dynamics of lab during traditional production of butter and butter- milk,**
- [2015] **Reference:** Santa D., Srbinovska S., Trajkovski G. (2015)
- 2nd International Symposium for agriculture and food, ISAF 2015, Ohrid Macedonia
- [2015] **Proteolysis and lipolysis during ripening of goat white brine cheese,**
- Reference:** Srbinovska S., Baltadzieva M., Santa D.
- 2nd International Symposium for agriculture and food, ISAF 2015, Ohrid Macedonia.
- [2017] **Influence of packaging materials on Kashkaval quality.**
- Reference:** Talevski G., Srbinovska S. Santa D., Mateva N. , Mljekarstvo 67 (1), 25-32
- [2017] **Fatty Acid profile and sensory properties of Traditional sheep Kashkaval**
- Reference:** Srbinovska S., Santa D.
- 3rd International Symposium for agriculture and food, ISAF 2017, Ohrid, Macedonia. Symposium proceedings.
- [2017] **Comparative study of sheep milk, whey and traditional kashkaval from Galichnik and Lazaropole,**
- Reference:** Santa D., Srbinovska S.
- 3rd International Symposium for agriculture and food, ISAF 2017, Ohrid, Macedonia. Symposium proceedings.
- [2017] **Dynamic of physico-chemical parametars during ripening of pecorino cheese made from goat milk**

Reference: Srbinovska S., Santa D.

3rd International Symposium for agriculture and food, ISAF 2017, Ohrid, Macedonia.
Symposium proceedings.

[2017] **Food composition database in Macedonia- need and importance.**

Reference: Santa D., Srbinovska S.

3rd International Symposium for agriculture and food, ISAF 2017, Ohrid, Macedonia.
Symposium proceedings.

[2021] **Occupational health and safety in agriculture – a brief report on organization, legislation and support in selected European countries**

Reference: Jakob MC, Santa D, Holte KA, Sikkeland IJ, Hilt B, Lundqvist P,
Ann Agric Environ Med. 2021;28(3):452–457

[2021] **Dynamics of acidity (pH) and temperature during the production of traditional Macedonian Galichki kashkaval.**

Reference: Santa D., Srbinovska S., Simonovska T
Agriculture and Forestry, 67 (3): 99-107

[2021] **Tools and measures for safety culture in agriculture**

Reference: Van Den Broucke S., Leppälä J., Santa D, McNamara J.

Safety Culture and Risk Management in Agriculture: Sacurima Cost Action CA16123,
Highlights and Conclusions, Natural Resources Institute Finland (Luke),

[2021] **Aflatoxin in feedstuffs and raw milk in Republic of North Macedonia, occurrence and assessment.**

Reference: Santa D., Srbinovska S., Gjorgjievski S., Gruevska V., Arsovska F.
Rom Biotechnol Lett. 2021; 26(6): 3015-3021. doi: 10.25083/rbl/26.6/3015-3021

[2022] **Dynamics of acidity (pH) and temperature during the production of traditional Macedonian Galichki kashkaval**

Reference: Santa D., Srbinovska S., Simonovska T

Agriculture and Forestry, 67 (3): 99-107. DOI: 10.17707/AgricultForest.67.3.08

[2022] **Perspectives and challenges on the improvement of a Local Food System in the Republic of North Macedonia,**

Reference: Srbinovska, S., Santa D.

IV International Symposium for Agriculture and Food, Ohrid, North Macedonia

[2022] **Influence of starter culture and rennet in Mozzarella cheese processing,**

Reference: Santa D., Demiri A., Srbinovska S.

IV International Symposium for Agriculture and Food, Ohrid, North Macedonia

[2022] **Reasons for generation and opportunities to reduce food waste and loss in the Republic of North Macedonia**

Reference: Santa D., Velinova I., Srbinovska S., Bogevska Z., Dzabirski V.
6th Congress of Ecologists of North Macedonia,
with international participation, Ohrid (poster presentation)

[2023] **Influence of starter culture and rennet in mozzarella cheese processing.**

Reference: Santa, D., Srbinovska, S., Demiri, A.
Agriculture and Forestry, 69 (4): 209-220.

[2023] **The effect of starter cultures on weight loss in drycured pork loin produced with and without nitrites**

Reference: Silovska Nikolova A., Pejkovski Z., Srbinovska S. , Santa D. Todorovska N.
Journal of Agricultural, Food and Environmental Sciences Vol 77 No 2 (2023) 1-8

[2018] **Professional texts in e-bulletin, Food and Veterinary Agency and Consumers organization**

Reference: Santa D.

Santa D. (2018) Milk - a product you should not avoid, E-Bulletin, Consumers and Food, Publisher: Consumer Organization and Food and Veterinary Agency, 1 (2018) 16-20

Santa D. (2018) The Future of Traditional Products, E-Bulletin , Consumers and Food, Publisher: Consumer Organization and Food and Veterinary Agency, 2 (2018) 19-22

Santa D. (2018) Whey - Your Source of Protein, E-Bulletin, Consumers and Food, Publisher: Consumer Organization and Food and Veterinary Agency, 3 (2018) 8-12 4.

Santa D. (2018) It's Time for Ice Cream, E-Bulletin, Consumers and Food, Publisher Consumer Organization and Food and Veterinary Agency, 5 (2018) 15-19

Santa D. (2018) Butter or Margarine, E-Bulletin, Consumers and Food, Publisher: Consumer Organization and Food and Veterinary Agency, 6 (2018) 11-14

Santa D. (2018) Yogurt-tasty and healthy drink, E-Bulletin, Consumers and Food, Publisher Consumer Organization and Food and Veterinary Agency, 9-10 (2018) 7-11

Santa D. (2018) The Importance of Food Safety in the Home, E-Bulletin, Consumers and Food, Publisher Consumer Organization and Food and Veterinary Agency, 9-10 (2018) 38-44

Mateva N., Levkov V., Srbinovska S., Santa D., Mojsova S. and Sulejmani E. (2019) Characteristics of Traditional Cheeses Produced in the Republic of North Macedonia

Traditional Cheeses from Selected Regions in Asia, Europe, and South America, Current Developments in Food and Nutrition Research, 2019, Vol. 1, 1-52, Bentham Science Publishers

Santa D., Srbinovska S. (2023) Whey: Source of Bioactive Peptides, Probiotics, Organic Acids, Aromatic Compounds and Enzymes.

In: Poonia, A., Trajkovska Petkoska, A. (eds) Whey Valorization. Springer

Link: <https://link.springer.com/book/10.1007/978-981-99-5459-9>

CONFERENCES, SYMPO- SIA, WORKSHOPS

Santa D., Srbinovska S., Trajkovski G. (2015). Composition and dynamics of lab during traditional production of butter and butter- milk,

2nd International Symposium for agriculture and food, ISAF 2015, Ohrid Macedonia (poster presentation)

Srbinovska S., Baltadzieva M., Santa D. (2015). Proteolyses and lipolyses during ripening of goat white brine cheese,

2nd International Symposium for Agriculture and food, ISAF 2015, Ohrid Macedonia (poster presentation)

Santa D., Srbinovska S. (2017). Comparative study of sheep milk, whey and traditional kashkaval from Galichnik and Lazaropole,

3rd International Symposium for agriculture and food, ISAF 2017, Ohrid, Macedonia. International Symposium for agriculture and food, ISAF 2017, Ohrid Macedonia, (poster presentation)

Srbinovska S., Santa D. (2017). Fatty Acid profile and sensory properties of Traditional sheep Kashkaval,

3rd International Symposium for agriculture and food, ISAF 2017, Ohrid, Macedonia. (poster presentation)

Santa D., Srbinovska S. (2017). Food composition database in Macedonia- need and importance.

3rd International Symposium for agriculture and food, ISAF 2017, Ohrid, Macedonia. (poster presentation)

Lundqvist P., Jakob M., Laurent C., Santa D., Petridou E., Makulska J., Tombarkiewicz B., Sikkeland I.J., Hilt B., Vujosevic M., Leppälä J., Rautiainen R. (2019) Health & Safety in European agriculture - organization, legislation and support.

39th International Colloquium of the International Section of the ISSA on Prevention in Agriculture "Vision Zero: world prevention strategy in agriculture",

Santa D. (2016) The Republic of Macedonia on its way of building up the food safety system in cooperation with EFSA. 9th Scientific Conference of the Bulgarian Focal Point of European Food Safety Authority (EFSA).

Risk Assessment Center of Food Chain. Ministry of Agriculture and Food (oral presentation and book of abstracts)

Kramarski S., Trajcev M., Petrovska M., Nakov D., Santa D., Srbinovska S. (2012). Verification of the food safety system in cheese production,

1st International Symposium on animal Science Belgrade, Serbia (poster presentation)

Santa D., Nikolovska-Nedelkoska D., Kalevska T., Damjanovski D. (2013). Challenges for implementation of ISO 22000 – A case study in ice cream factory.

International Scientific Conference "Food Science, Engineering and Technologies, Plovdiv, Bulgaria (poster presentation)

International training on food safety and nutrition, lecture on the topic: milk and dairy products, physico-chemical composition and quality control,

Training and implementation Center, Bitola (26.09.2015, 05.09.2016, 18.07.2017, 10.06.2017),

Santa D., Nakov D., Srbinovska S., Trajcev M. (2018) Seasonal changes on bovine bulk tank milk quality from three regions in Macedonia

1st International meeting Agriscience & Practice (ASP) Faculty of Agriculture, Goce Delchev University – Stip, book of abstracts.

International training on food safety and nutrition, lecture on the topic: production of traditional Macedonian cheese,

Training and implementation Center, Bitola 23.05.2016, 26.09.2017, 01.11.2019

Santa D., (2020) OSH activities, national structure and legislation in North Macedonia.

Workshop on Structure of OSH and legislation in selected EU member countries Safety Culture and Risk Management in Agriculture (SACURIMA)- Podgorica, Montenegro, 22.01.2020. (oral presentation)

Santa, Atanasova-Panchevska., Trajkovska, Nikolovska Nedelkoska, Bojkovska, Trajkovska-Petkoska (2023) Challenges and opportunities in dairy sector in North Macedonia: A focus on cheese diversity, legislation, and protection

1st Forum on Fermented Foods, Lyon, France, 25-26.5.2023

Santa D., Velinova I., Srbinovska S., Bogevska Z., Dzabirski V (2023) Reasons for generation and opportunities to reduce food waste and loss in the Republic of North Macedonia

6th Congress of Ecologists of North Macedonia, with international participation, Ohrid, North Macedonia (poster presentation and book of abstracts)

BROCHURES

Petrushevska-Tozi L., Santa D., Petreska-Ivanovska T. (2019) How to read and use the nutritional information on food labels.

Publisher: Consumer Organization and Food and Veterinary Agency

Santa D et al. (2018) Food information

Publisher: Consumer Organization and Food and Veterinary Agency

Group of authors E-book (2012), Food Safety Management systems, Tempus project

TEMPUS project -- Improving Academia-Industry links in food safety and quality

NETWORKS AND MEMBERSHIPS

Member of Committee for International Cooperation, Faculty of Agricultural Sciences and Food, 2021-2024

[02/2012 – Current] **Member of Committee for Food and Nutrition at Consumers' Organization of the Republic of Macedonia**

[2008 – 2009] **Advisory Forum observer in European Food Safety Authority - EFSA**

[12/2019 – 12/2021] **Member of Farmhouse and Artisan Cheese & Dairy Producers European Network**

[12/2006 – 12/2008] **Member of the Technical Committee for Food for revision of legislation in the field of food, Secretariat for European Affairs, Government of Republic of Macedonia**

[11/2005 – 08/2006] **Member of Commission for amending the Law on the food safety and of products and materials that come into contact with food, Food and Veterinary Agency, Government of Republic of Macedonia**

MEMBERSHIP IN JOURNALS' SCIENTIFIC BOARDS AND COMMITTEES OF SCIENTIFIC MEETINGS

Member of the Secretariat for the IV International Symposium for Agriculture and Food - ISAF 2020

Member of the Secretariat for the IV International Symposium for Agriculture and Food - ISAF 2022

Member of the editorial board of the International Journal of Agriculture and Food - JAFES

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Member of Scientific Committee, International Scientific- Expert Conference of Agriculture and Food industry

Turkey, 13-15 November 2023

LANGUAGE SKILLS

Mother tongue(s): Macedonian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Serbian

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Croatian

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Bulgarian

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Greek

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

Microsoft Office | Microsoft Word | Microsoft Excel

DRIVING LICENCE

Cars: B

COMMUNICATION AND INTERPERSONAL SKILLS

Excellent verbal and written communication skills developed through extensive academic research, project presentations, and scientific publications.

Strong collaborative skills demonstrated through successful teamwork on multidisciplinary research projects.