



Curriculum Vitae

Personal data

MONIKA LUTOVSKA, St. Prilepska 41/5 Bitola, Macedonia

Contact +389 70 33 90 80; monika.lutovska@unt.edu.mk

Work experience

- 2016-present **Associate professor** – “Mother Theresa” University, Skopje, Faculty of Technical Sciences
- 2018-present **Director** of Center for Entrepreneurship, Education and Technology Transfer, Skopje - “Mother Theresa” University in Skopje
- 2010-present **Occupational Safety and Health expert** – risk assessment expert in OSH - Ministry of Labor and Social Policy of the Republic of North Macedonia
- 2014-present **Energy auditor Authorization** – expert (Energy Agency of the Republic of North Macedonia)
- 2012-present **Mechanical project documentation authorization** – expert (Chamber of Certified Architects and Certified Engineers of the Republic of North Macedonia)
- 2012-present **Mechanical Performance Authorization** – expert (Chamber of Certified Architects and Certified Engineers of the Republic of North Macedonia)
- 2012-present **Authorization for environmental studies and reports** - expert (Chamber of Certified Architects and Certified Engineers of the Republic of North Macedonia)
- 2012-present **Authorization for occupational safety and fire protection elaborates** – expert (Chamber of Certified Architects and Certified Engineers of the Republic of North Macedonia)

2011/2012-2012/2013 **Demonstrator** – “St. Clement of Ohrid” University, Bitola, Faculty of Technical Sciences

Education and training

- 2016 **PhD, Mechanical Engineering** - “St. Clement of Ohrid” University - Bitola, Faculty of Technical Sciences, Bitola
- 2012 **MSc, Environment Protection Engineering** - “St. Clement of Ohrid” University - Bitola, Faculty of Technical Sciences, Bitola
- 2010 **BSc, Mechanical Engineer** - “St. Clement of Ohrid” University - Bitola, Faculty of Technical Sciences, Bitola

Personal skills

- Languages Macedonian; English – Cambridge ESOL Entry Level Certificate in ESOL International - PET Test
- Digital competences Microsoft Office Package, Word, Excel, Power Point, Outlook, IE, Statistics for Windows, Fortran

Additional information

- Research interests Occupational Safety and Health at Work, Environment protection, Drying technology (sorption isotherms determination), Energy supply
- Memberships Chamber of Certified Architects and Certified Engineers of the Republic of North Macedonia
Energy Agency of the Republic of North Macedonia
National Society for Process Techniques and Energy in Agriculture, Novi Sad, Serbia

**Publications (Journals,
Symposiums, Conferences)**

1. **Lutovska, M.**, Mijakovski, V., Mucha, A. **2021**. IDENTIFICATION OF OCCUPATIONAL HAZARDS IN CONTEMPORARY WORKING ENVIRONMENT, *4th International Conference Towards Sustainable Development (TSD'2020)*, Republic of North Macedonia, December 18, Skopje, *South East European Journal of Sustainable Development – SEEJSD (2021)*, ISSN (print) 2545-4463; Vol 5 (2), pp. 107-116.
2. Fetaji, B., **Lutovska, M.**, Demiri, S. **2021**. ANALYSES OF POLLUTION AND DEVISING POLLUTION PREVENTION STRATEGY USING SOFTWARE SOLUTIONS, *4th International Conference Towards Sustainable Development (TSD'2020)*, Republic of North Macedonia, December 18, Skopje, *South East European Journal of Sustainable Development – SEEJSD (2021)*, ISSN (print) 2545-4463; Vol 5 (2), pp. 147-156.
3. Mijakovski, V., **Lutovska, M.** **2020**. MONITORING OF AIR POLLUTION IN SKOPJE IN ORDER TO DETERMINE POSSIBLE CAUSES, *55th International Scientific Conference on Information, Communication and Energy Systems and Technologies (ICEST)*, DOI: [10.1109/ICEST49890.2020.9232702](https://doi.org/10.1109/ICEST49890.2020.9232702), September 10-12, Nis, Serbia, pp. 239-243.
4. Mijakovski, V., Mojsovski, F., **Lutovska, M.** **2019**, Analysis of values from the climatic curve and heat load on the water losses in TPP 'Bitola', *14th International Conference on Accomplishments in Mechanical and Industrial Engineering – DEMI 2019*, Banja Luka, 24-25 May, pp. 235-240.
5. **Lutovska, M.**, Mijakovski, V., Mojsovski, F., Shesho, I. **2019**, Review of major greenhouse gas emissions in Skopje, *19th International Conference on Thermal Sciences and Engineering of Serbia*, Sokobanja, Serbia, 22-25 October.
6. Lutovska, M., Mijakovski, V., Shaipi, U.D. **2019**, Measuring performance in safety and health management, *South East European Journal of Sustainable Development – SEEJSD (2019)*, ISSN (print) 2545-4463; Vol 3 (2), pp. 37-45
7. Mucha, A., **Lutovska, M.** (2019). METHODS FOR ANALYZING AND SUPPORTING A SUSTAINABLE PRODUCTION SYSTEM, *South East European Journal of Sustainable Development – SEEJSD (2019)*, ISSN (print) 2545-4463; Vol 3 (1), pp. 51-59.
8. Lutovska, M., Mijakovski, V., Shaipi, U.D. **2019**, Measuring performance in safety and health management, *3th International Conference Towards Sustainable Development (TSD'2019)*, Skopje, Republic of North Macedonia, 24-25 October.
9. Pavkov, I., Stamenković, Z., Radojcin, M., Keselj, K., Bikić, S., **Lutovska, M.**, Ponjican, O. **2019**, Air drying of blueberry fruits: Drying kinetics, mathematical modeling and physical properties, *Journal on Processing and Energy in Agriculture*, DOI: 10.5937/JPEA1904151P, Vol. 23(4), pp. 151-157.
10. Mijakovski, V., **Lutovska, M.**, Trajkovski, Z. **2018**, Techno-economic analysis of the wind park Bogdanci in the Republic of Macedonia, *Thermal Science (2018)*, DOI: 10.2298/TSCI18S5449M, Vol. 22, Suppl. 5, pp. S1449-S1458, ISSN 0354-9836 (printed edition), VINČA Institute of Nuclear Sciences, Beograd, *Journal impact factor 1.521*.
11. **Lutovska, M.**, Mijakovski, V., Trifunov, Z., Mucha, A. **2018**, High-risk workplaces ranking according to risk assessment, *2nd International Conference Towards Sustainable Development (TSD'2018)*, Skopje, Macedonia, 02-03 November.
12. Muca, A., **Lutovska, M.** **2018**, Methods for analyzing and supporting a sustainable production system, *2nd International Conference Towards Sustainable Development (TSD'2018)*, Skopje, 02-03 November.
13. Mijakovski, V., **Lutovska, M.** **2018**, Analysis and comparison of the results from energy efficiency calculation performed with the usage of different software packages, *2nd International Conference Towards Sustainable Development (TSD'2018)*, Skopje, 02-03 November.
14. Demiri, S., Popovska, O., Sabriu-Haxhijaha, A., Popovski, Z., Miskoska-Milevska, E., **Lutovska, M.**, Pollozhani, A. **2018**, Development of new techniques for estimation of air, water and soil quality in the Republic of Macedonia, *2nd International Conference Towards Sustainable Development (TSD'2018)*, Skopje, Macedonia, 02-03 November.
15. Pavkov, I., Stamenković, Z., Radojcin, M., Krstan, K., Bikić, S., **Lutovska, M.** **2018**, Mathematical modeling of air-drying strawberry with osmotic pretreatment, 9-th International Congress of Food Technologists, Biotechnologists and Nutritionists, Zagreb, Croatia, 02 – 05 October.
16. **Lutovska, M.**, Mijakovski, V. **2018**, Review of greenhouse gas emissions in Skopje with measures to reduce CO₂ emissions, *International Conference Energy and Ecology Industry EEI2018*, Belgrade, Serbia, 10-13 October.
17. Izeiroski, S., Idrizi, B., **Lutovska, M.**, Kabashi, I. **2018**, GIS-based multi criteria analysis of site suitability for exploitation of renewable energy resources, *7th International Conference on Cartography & GIS (ICC&GIS)*, Sozopol, Bulgaria, 18-23 June, Vol.1, pp. 653-665.

18. **Lutovska, M.**, Pavkov, I., Mijakovski, V., Stamenković, Z. **2018**, Basic approach used in sorption isotherm model verification and validation, *Journal on Processing and Energy in Agriculture*, Kopaonik, Serbia, 15-20 April, 1821-4487 (2018) 22; 2; pp. 95-100.
19. **Lutovska, M.**, Mijakovski, V., Trifunov, Z., Mucha, A. **2018**, High-risk workplaces ranking according to risk assessment. *South East European Journal of Sustainable Development – SEEJSD (2018)*, ISSN (print) 2545-4463; Vol. 2 (2), pp. 73-77.
20. Mijakovski, V., **Lutovska, M.** **2018**, Design and installation of waste water treatment plant in tobacco processing factory - significant step towards sustainable development, *South East European Journal of Sustainable Development – SEEJSD (2018)*, ISSN (print) 2545-4463; Vol. 2 (1), pp. 38-44.
21. Demiri, S., Popovska, O., Sabriu-Haxhijaha, A., Popovski, Z., Miskoska-Milevska, E., **Lutovska, M.**, Pollozhani, A. **2018**, Development of new techniques for estimation of air, water and soil quality in the Republic of Macedonia, *South East European Journal of Sustainable Development – SEEJSD (2018)*, ISSN (print) 2545-4463; Vol. 2 (2), pp. 43-50.
22. Idrizi, B., Izeiroski, S., Kabashi, I., **Lutovska, M.** **2017**, GIS spatial analysis for determination of potential areas for installing wind power stations, *Annual of the University of Architecture, Civil Engineering and Geodesy, Sofia*, Bulgaria, Vol. 49 (1).
23. **Lutovska, M.**, Mijakovski, V., Idrizi, B. **2017**, Occupational safety and health at work as a part of sustainable development agenda, *1st International Conference Towards Sustainable Development (TSD'2017)*, Skopje, Macedonia, 27-28 October.
24. Mijakovski, V., **Lutovska, M.** **2017**, Design and installation of waste water treatment plant in tobacco processing factory - significant step towards sustainable development, *1st International Conference Towards Sustainable Development (TSD'2017)*, Skopje, Macedonia, 27-28 October.
25. Izeiroski, S., Idrizi, B., Lazarov, T., **Lutovska, M.** **2017**, Geospatial analyses for screening of suitable locations for renewable energy sources, *1st International Conference Towards Sustainable Development (TSD'2017)*, Skopje, Macedonia, 27-28 October.
26. Mijakovski, V., **Lutovska, M.**, Trajkovski, Z., Geramitcioski, T., Mitrevski, V. **2017**, Review of wind energy potential and experiences from operation of the first wind park in Republic of Macedonia, *18th Symposium of Thermal Sciences and Engineering of Serbia*, Sokobanja, October 17-20, pp.300-308.
27. **Lutovska, M.**, Mijakovski, V., Geramitcioski, T., Gjorgievski, V. **2017**, Reasons that contribute to the enormous pollution in Skopje, *VI Regional Conference Industrial Energy and Environmental Protection in South Eastern European Countries (IEEP'17)*, Zlatibor, Serbia, 21-24 June.
28. **Lutovska, M.**, Mitrevski, V., Pavkov, I., Babić, M., Mijakovski, V., Geramitcioski, T., Stamenković, Z. **2017**, Different methods of equilibrium moisture content determination, *Journal on Processing and Energy in Agriculture*, Vršac, Serbia, April 23-28, Vol. 21 (2), pp. 91-96.
29. Pavkov, I., Stamenković, Z., Radojcin, M., Babić, M., Bikić, S., Mitrevski, V., **Lutovska, M.** **2017**, Convective and freeze drying of raspberry: effect of experimental parameters on drying kinetics, physical properties and rehydration capacity, *5th International Conference Sustainable Postharvest and Food Technologies - INOPTEP 2017*, Serbia, April 23-28, Vol.21, pp. 261-266.
30. **Lutovska, M.**, Mijakovski, V., Idrizi, B. **2017**, Occupational safety and health at work as a part of sustainable development agenda, *South East European Journal of Sustainable Development – SEEJSD (2017)*, ISSN (print) 2545-4463; Vol. 1 (1), pp. 27-31.
31. Mitrevski, V., Bundalevski, S., Mijakovski, V., Geramitcioski, T., **Lutovska, M.**, Mitrevska, C. **2016**, Experimental investigation of far-infrared vacuum drying of apple slices, *20th International Drying Symposium (IDS 2016)*, Gifu, Japan, 07-10 August.
32. **Lutovska, M.**, Mitrevski, V., Pavkov, I., Mijakovski, V., Radojcin, M. **2016**, Mathematical modeling of thin layer drying of pear, *Chemical Industry & Chemical Engineering Quarterly*, DOI:10.2298/CICEQ150122032L, Vol. 22 (2), pp. 191-199, *Journal impact factor 0.840*.
33. **Lutovska, M.**, Mitrevski, V., Geramitcioski, T., Mijakovski, V., Andreevski, I. **2016**, Water activity vs. equilibrium moisture content, *Journal on Processing and Energy in Agriculture*, 20 (2), pp. 69-72.
34. Mitrevski, V., Bundalevski, S., **Lutovska, M.**, Geramitcioski, T., Mijakovski, V. **2016**, Experimental investigation of far-infrared vacuum drying of apple, *Journal on Processing and Energy in Agriculture*, 20 (1), pp. 1-3.
35. Mitrevski, V., **Lutovska, M.**, Mijakovski, V., Pavkov, I., Popovski, F. **2016**, The power series as water sorption isotherm models, *Journal of Food Process Engineering*, DOI:10.1111/jfpe.12210, Vol.39, pp. 178-185, *Journal impact factor 0.745*.
36. Mitrevski, V., **Lutovska, M.**, Mijakovski, V., Pavkov, I., Mitrevska, C. **2015**, Experimental investigation and mathematical modelling of thin layer drying of quince, *Eurodrying Symposium*, October 21-23, Budapest, Hungary, pp. 269-276.
37. Mitrevski, V., **Lutovska, M.**, Mijakovski, V., Pavkov, I., Babić, M., Radojcin, M. **2015**, Adsorption isotherms of pear at several temperatures, *Thermal Science Journal*, DOI:10.2298/TSCI140519082M, Vol. 19 (3), pp. 1121-1131, *Journal impact factor 1.222*.

38. **Lutovska, M.**, Mitrevski, V., Pavkov, I., Babic, M., Geramitcioski, T., Mijakovski, V., Bundalevski, S. **2015**, Modeling of thin-layer drying of quince, *Journal on Processing and Energy in Agriculture*, Vol.19 (1), pp. 12-16, April 19-24, Divcibare, Serbia.
39. Bundalevski, S., Mitrevski, V., **Lutovska, M.**, Geramitcioski, T., Mijakovski, V. **2015**, Experimental investigation of vacuum far-infrared drying of potato slices, *Journal on Processing and Energy in Agriculture*, Vol.19 (2), pp. 71-75, April 19-24, Divcibare, Serbia.
40. Mitrevski, V., Geramitcioski, T., Mijakovski, V., **Lutovska, M.**, Mitrevska, C. **2015**, Situation regarding accidents at work in the EU and in the Republic of Macedonia, *International Journal of Engineering, ANNALS of Faculty Engineering Hunedoara, University Politehnica Timisoara*, tome XIII pp. 1584-2665.
41. Mitrevski, V., Geramitcioski, T., **Lutovska, M.**, Mijakovski, V., Mitrevska, C. **2014**, Situation regarding accidents at work in the EU and in the Republic of Macedonia, IV International Conference-Industrial Engineering and Environmental Protection (IIZS 2014), 15 October, Zrenjanin, Serbia.
42. **Lutovska, M.**, Mitrevski, V., Mijakovski, V., Mijakovski, N. **2014**, Evaluation of some thin-layer models of carrot, *19th International Drying Symposium (IDS 2014)*, Lyon, France, 24-27 August.
43. Mitrevski, V., **Lutovska, M.**, Mijakovski, V., Mijakovski, N. **2014**, Statistical evaluation of thin-layer drying of banana, *Journal of Hygienic Engineering & Design*, Vol. 8, pp. 145-152.
44. Mitrevski, V., Geramitcioski, T., Mijakovski, V., **Lutovska, M.** **2014**, Risk assessment for construction of bridge on motorway, *International Journal of Engineering, ANNALS of Faculty Engineering Hunedoara, University Politehnica Timisoara, Romania*, pp. 95-99.
45. **Lutovska, M.**, Mitrevski, V., Geramitcioski T., Mijakovski, V. **2014**, Review of journals with particular emphasis on papers in which sorption isotherms were determined, *Journal of Agriculture Science and Technology*, Vol.18 (1), pp.25-29, April 6-11, Kladovo, Serbia.
46. **Lutovska, M.**, Mijakovski, V., Stefanovska, C., Mitrevski, V. **2013**, Current state wind energy utilization in the Republic of Macedonia, *16th Symposium of Thermal Sciences and Engineering of Serbia, Sokobanja*, October 22-25, pp.176-181.
47. Mitrevski, V., Geramitcioski, T., Mijakovski, V., **Lutovska, M.** **2013**, Risk assessment for construction of bridge on motorway, *III International Conference-Industrial Engineering and Environmental Protection (IIZS 2013)*, 30 October, Zrenjanin, Serbia.
48. Mitrevski, V., Mijakovski, V., Mijakovski, N., **Lutovska, M.** **2013**, Statistical evaluation of some four parameters sorption isotherm models, *Eurodrying Symposium*, pp.1-6, October 2-4, Paris, France.
49. Mitrevski, V., Mijakovski, V., Mijakovski, N., **Lutovska, M.** **2013**, Statistical evaluation of some sorption isotherm models, *XIIIth Polish Drying Symposium*, pp.1-6, September 5-6, Kotobrzeg, Poland.
50. Mitrevski, V., Trajcevski Lj., Mijakovski, V., **Lutovska, M.** **2013**, Statistical criteria for selection of thin-layer drying models, *6th Nordic Drying Conference, NDC 2013*, June 5-7 Copenhagen, Denmark.
51. Mitrevski, V., Trajcevski Lj., Mijakovski, V., **Lutovska, M.** **2013**, Evaluation of some thin-layer drying models, *Journal of Agriculture Science and Technology*, Vol.17 (1), pp. 1-6.
52. Mitrevski, V., Geramitcioski, T., **Lutovska, M.**, Mijakovski, V. **2012**, Risk assessment in natural gas transmission system, *1th International Scientific Conference COMETA, University of East Sarajevo*, pp. 1968-1972.
53. Mitrevski, V., Geramitcioski, T., Mijakovski, V., **Lutovska, M.** **2012**, SOME EXPERIENCES FROM RISK ASSESSMENT AT HEALTHY FOOD PRODUCTION, *II International Conference – Industrial engineering and Environmental Protection (IZZS 2012)*, pp.58-64, Zrenjanin, Republic of Serbia.
54. Mitrevski, V., Geramitcioski, T., **Lutovska, M.**, Mijakovski, V. **2012**, Procena rizika tokom proizvodnje jestivog ulja, *8th May Conference of Strategic Management, pp.1968-1972, Technical Faculty, Bor*.
55. Mitrevski, V., Mijakovski, V., Geramitcioski, T., **Lutovska, M.** **2012**, Comparison between transcendental and cyclometric sorption isotherm models, *Journal on Processing and Energy in Agriculture*, Vol.16 (1), pp. 1-5.
56. Mitrevski, V., Popovski, F., Popovski, D., **Lutovska, M.** **2011**, Density of some vegetables during convective drying, *Journal on Processing and Energy in Agriculture*, Serbia, Vol.15 (1), pp.39-41.
57. Mitrevski, V., Bundalevski, S., **Lutovska, M.** **2015**, Experimental research of thermal-radiation vacuum drying kinetics of apple, *Collection of papers of Faculty of Technical Sciences, Bitola*.
58. Mitrevski, V., **Lutovska, M.**, Mijakovski, V. **2014**, Experimental investigation of thin layer drying kinetics of pear, *Collection of papers of Faculty of Technical Sciences, Bitola*.
59. Mitrevski, V., Mijakovski, V., **Lutovska, M.** **2013**, Review of sorption isotherm approximation models, *Collection of papers of Faculty of Technical Sciences, Bitola*.
60. Mitrevski, V., Mijakovski, V., **Lutovska, M.** **2012**, Evaluation of food material sorption models, *Collection of papers of Faculty of Technical Sciences, Bitola*.

Doctoral Thesis	Lutovska, M., 2015 , Application of inverse approach for verification of sorption models, "St. Clement of Ohrid" University - Bitola, Faculty of Technical Sciences, Bitola.
Master Thesis	Lutovska, M., 2012 , Specific requirements for safety at work in production of edible oil, "St. Clement of Ohrid" University - Bitola, Faculty of Technical Sciences, Bitola.

Projects

1. Solar energy - a sustainable alternative, Project of the Ministry of Environment and Physical Planning of the Republic of North Macedonia, **(2021)**;
2. Education and raising awareness about pollution through analysis and measurement of the individual pollution indicator, Project of the Ministry of Environment and Physical Planning of the Republic of North Macedonia, **(2021)**;
3. Thermotechnical project: Basic project for construction of a building with purpose A2-housing in buildings, LOCATION: Place called Heraclea, KP 17595/58, GP 2.10, KO Bitola, **(2021)**;
4. Thermotechnical project: Basic project for construction of a building with purpose A1-Family housing in an individual residential building - construction of an attic of a building, LOCATION: CP 15689, CM Bitola, **(2021)**;
5. Thermotechnical project: Basic project for construction of a building with residential purpose, LOCATION: KP 17603/7, GP 5, KO Bitola 1/2, **(2021)**;
6. Strengthening the Occupational Safety and Health capacities in the Union of Defense and Security - Strengthening social dialogue, International Labor Organization, Project of the International Labor Organization ILO, funded by the EU, Program: Act 3.2.3. IA Trade Union of Defense and Security - SOB, **(2020)**;
7. Report Pollution, Project of the Ministry of Environment and Physical Planning of the Republic of North Macedonia, **(2020)**;
8. Thermotechnical project: Basic project for construction of a building with purpose A1-Family housing in residential houses, LOCATION: KP 1273/1, GP 11, KO Gorno Orizari, Municipality of Bitola, **(2020)**;
9. Thermotechnical project: Basic project for construction of a building with purpose A1-Family housing in residential houses, LOCATION: KP 1273/2, GP 12, KO Gorno Orizari, Municipality of Bitola, **(2020)**;
10. Thermotechnical project: Basic project for construction of an individual residential building with previously demolished the existing residential building, LOCATION: KP 6336/2, KO Bitola 3, **(2020)**;
11. Towards carbon-neutral development: Challenges, opportunities and scenarios for a just transition in TEC OSLOMEJ, FRIEDRICH EBERT STIFTUNG, **(2019)**.
12. Technology Park of Mother Teresa University (TPUMT) in Skopje, Project of Ministry of Economy of the Republic of North Macedonia, **(2018)**.
13. Strengthening the capacity of the ZIP for Occupational Safety and Health. Improving the involvement and impact of civil society in public safety and health policy and decision-making in support of the state in the EU accession processes "- EuropeAid / 155322 / DD / ACT / MK, **(2018)**.
14. Research and development for determination of substances - pollutants in air, water and soil methods, Project of Ministry of environment and physical planning of the Republic of North Macedonia, **(2017)**;