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**h-index = 9; i10-index = 8**

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<b>The discipline taught by:</b>	Hygiene and ecology Basics of food hygiene. Food safety
<b>Scientific interests</b>	Quality and safety of food products, microbiological risks in food products; public health, unified health; antibiotic resistance,
<b>Experience</b>	<b>Sumy State University, Medical Institute</b> , Department of Public Health 2017 - currently a professor <b>Sumy State University, Medical Institute</b> , Department of Hygiene and Ecology, with a course in microbiology, virology and immunology 2015 – 2017 professor <b>Sumy National Agrarian University</b> , Faculty of Food Technology, Department of Milk and Meat Technology 2007 - 2015 professor, head of the department <b>Work experience - 38 years</b>
<b>Education</b>	<b>1992</b> - Doctoral dissertation defense - All-Union Research Institute of Veterinary Sanitation, Hygiene, Ecology, Moscow <b>1982</b> - defense of a candidate's thesis at the All-Union Research Institute of Veterinary Sanitation, Hygiene, Ecology, Moscow. <b>1970-1975</b> – Bila Tserkva Agricultural Institute, Faculty of Veterinary Medicine, specialist diploma in veterinary medicine, Bila Tserkva
<b>Internship and professional development</b>	<ol style="list-style-type: none"> <li>1. Completed a cycle of thematic improvement on issues of ensuring the quality and safety of consumer nutrition and the HACCP system, completed an internship in the USA, England, and Germany.</li> <li>2. Sumy State University two-year intensive English language course in the amount of 216 hours. (08.05. 2018)</li> <li>3. Postgraduate international internship "International projects: writing, application, management and reporting" March 15-20, 2020 (certificate No. 2020/03/467, Uzhhorod and Lodz (Poland))</li> <li>4. Sumy State University of Professional Development of Teachers under the Program on Electronic Means and Distance Learning Technologies No. PK05408289/00385-17 dated April 29, 2020.</li> <li>5. Sumy State University of Professional Development of Teachers under the program "Ecological Aspects of Teaching and Scientific Activity" Certificate No. SP No. 05408289 / 1511-2221.09.2022 - 09.26.2022.</li> </ol>
<b>Participation in domestic topics and cooperation agreements</b>	<ol style="list-style-type: none"> <li>1. Performance of the functions of a scientific supervisor under Contract No. 0104/2017 of April 3, 2017 regarding preparation for the certification of the HACCP system at KP "Zenit" in accordance with the requirements of the current legislation of Ukraine</li> <li>2. Performance of the functions of a scientific executor under contract No. 62.20-01.17.H dated 20.02.2017. on scientific cooperation between the State Scientific Control Institute of Biotechnologies and Strains of Microorganisms of the State Service of Ukraine for Food Safety and Consumer Protection and Sumy State University regarding the assessment of the degree of spread and risk to ecosystems and the health of humans and animals of pathogenic microorganisms (the contract is valid indefinitely).</li> </ol>

	<ol style="list-style-type: none"> <li>3. Performance of the functions of the scientific supervisor of scientific research work (topics) State Registration number 0116U002667 topic "Evaluation of ecological risk associated with the spread of antibiotic resistance among microorganisms" until 12.2018 (topic of the second half of the day).</li> <li>4. Performance of the functions of a scientific executor of economic and contractual topics under contract No. 62.20-2019.SP/21 regarding scientific and advisory services for the development of the HACCP system at school catering enterprises in the Mykolaiv territorial community in the Sumy region.</li> <li>5. Performance of the functions of a scientific supervisor under contract No. 62.20-51.17.SP dated 06/15/2017. "Scientific and advisory services on the analysis of risks in the production of sausage products for the development of a safety system in a sausage shop in accordance with DSTU ISO 22000:2007 (HACCP)" ("Krasnopilskyi MMK" LLC).</li> <li>6. Performance of the functions of the scientific supervisor of economic and contractual topics under the contract No. 60.30-2020.SP/01 "Performance of scientific and consulting services regarding the implementation of the system of analysis of dangerous factors and control at critical points (hereinafter - the HACCP system) in the production of public food products at food blocks schools of the Vyshgorod district of the Kyiv region"</li> <li>7. According to the order of the rector of Sumy State University No. 0061-1 dated January 27, 2020, consulting the Sumy State University Catering Complex on issues related to the development and implementation of SMBHP, including HACCP.</li> <li>8. Performance of the functions of the scientific manager of economic and contractual topics under contract No. 51.20-2020.SP/01/2701/7 regarding scientific and advisory services for the development and implementation of the HACCP system in the production of food products of PJSC "SUMYOBLENERGO" in accordance with ISO 22000.</li> <li>9. Performance of the functions of a scientific supervisor under contract No. 62.20-01.17/20. N from 01.11.2017 on scientific and practical cooperation between the Main Department of the State Production and Consumer Service in Sumy Region and Sumy State University on issues of food safety, healthy nutrition of the population and promotion of public health improvement (agreement valid until December 31, 2020).</li> </ol>
<p><b>Textbooks and manuals</b></p>	<ol style="list-style-type: none"> <li>1. Microbiology of milk and dairy products with the basics of veterinary and sanitary examination: a study guide // O. M. Bergilevych, V. V. Kasianchuk, V. Z. Salata, V.I. Semanyuk, R.L. Kovalchuk, M.P. Ostapyuk / Under the editorship. Kasianchuk V. V. (Grif MES of Ukraine) – Sumy: University Book, 2010. – 320 p.</li> <li>2. Microbiology of milk and dairy products. Workshop: study guide // O.M. Bergilevych, V.V. Kasianchuk, I.G. Vlasenko, M.D. Kukhtin, R.A. Kovalchuk, M.P. Ostapyuk / Under the editorship. Kasyanchuk V.V. (Grif MES of Ukraine).– Sumy: University Book, 2010.– 204 p.</li> <li>3. Rational and safe nutrition as the basis of public health Dyachenko A.G., Kasianchuk V.V., Kurganskaya V.O. / Study guide for students, intern doctors, infectious diseases doctors and family doctors. – Sumy: Sumy State University, 2017. – 308 p. ISBN 978-966-657-712-5; UDC 613.1(072);</li> <li>4. Implementation of the quality management system in medical and preventive institutions according to ISO 9001:2015. Tutorial. V.V. Kasianchuk, O.M. Bergilevych, O.I. Smiyanova Edited by Professor V.A. Smiyanova. Sumy, 2019, 259 pages, ISBN 978</li> </ol>
<p><b>Monographs</b></p>	<p>Theoretical and experimental substantiation of microbiological risk assessment of Cronobacter spp. (Enterobacter sakazakii): monograph. O.M. Bergilevych, V.V. Kasianchuk – Sumy: Sumy University University Book, 2018– 306 p.</p>

<https://essuir.sumdu.edu.ua/handle/123456789/66680>

**Basic scientific articles**

1. Berhilevych O., **Kasianchuk V.** Identification of Cronobacter spp (Enterobacter sakazakii) from raw milk and environmental samples of dairy farms. Eastern-European Journal of Enterprise Technologies 6/11 ( 90 ) 2017p. 4-10 (Scopus)

2. Berhilevych O., **Kasianchuk V.**, Chernetskyi I., Konieva A., Dimitrijevič L., Marenkova T. Construction of a method for predicting the number of enterobacteria in milk using artificial neural networks //Eastern-European Journal of Enterprise Technologies. Technology and equipment of food production. – 2019. – Vol. 2/11 (98). – P. 6 – 14. <https://doi.org/10.15587/1729-4061.2019.160021> (Scopus)

3. Berhilevych O., **Kasianchuk V.**, Kukhtyn M., Dimitrijevič L., Marenkova T. The study correlation between physicochemical properties, botanical origin and microbial contamination of honey from the south of Ukraine // Potravinárstvo Slovak Journal of Food Sciences. – 2019. – Vol. 13. – № 1. – P. 863–869. <https://doi.org/10.5219/1179> (Scopus)

4. Berhilevych O., Pylypenko L., **Kasianchuk V.**, Ilyeva, A., Shubin, P. Identification of food pathogens and determination of their distribution level in Ukrainian food products of animal and plant origin by PCR method // Food Science and Technology. – 2019. – Vol.13(4). – P.76 – 86. <https://doi.org/10.15673/fst.v13i4.1562> (Web of Science)

5. **Kasianchuk V.**, Berhilevych O., Negai I., Dimitrijevič L., Marenkova T. Specific features of accumulation of organochlorine pesticide residues in melliferous plants, bee pollen, and honey. //Food science and technology. – 2020. – Vol.14(1). – P.118 – 129. <https://doi.org/10.15673/fst.v14i1.1640> (Web of Science)

6. Berhilevych O. M., **Kasianchuk V. V.**, Deriabin O. M., Kukhtyn M. D. Isolation of Shiga toxin-producing strains of *Escherichia coli* from beef and swine carcasses and the characterization of their genes . Regulatory Mechanisms in Biosystems 8(2). 2018 - p. 275 – 281 (Web of Science)

7. Berhilevych O. M., **Kasianchuk V. V.**, Kukhtyn M. D., Lotskin I. M., Garkavenko T. O., Shubin P. A. Characteristics of antibiotic sensitivity of *Staphylococcus aureus* isolated from dairy farms in Ukraine // Regulatory Mechanisms in Biosystems 8(4) 2017 – p. 559-563. (Web of Science)

8. Berhilevych, O., Chechet, O., Kasianchuk, V., Smiianov, V., & Fritsak, M. (2021). Ensuring Public Health: Monitoring of Hormone Residues in Poultry Meat. Health Economics and Management Review, 2(3), 19-26. <https://doi.org/10.21272/hem.2021.3-02>

9. Chechet O. M., Berhilevych O. M., V. V. Kasianchuk Safety of poultry meat in accordance with EU requirements in Ukraine: state monitoring of hormones. Vol 23 No 103 (2021): Scientific Messenger of LNU of Veterinary Medicine and Biotechnologies. Series: Veterinary Sciences /

**2. Articles in professional publications of Ukraine**

1. Kasianchuk V.V., Bergilevich O.M., Kusturov V.B., Deryabin O.M. Resistance of Escherichia coli isolates isolated from the surface of pig carcasses to antibacterial drugs. Veterinary biotechnology, 2018- No. 32 (2). – P. 219 - 229

2. Kasyanchuk V.V., Bergilevych O.M., Negai I.V. Study of antibacterial properties of honey against methicillin-resistant staphylococci. Scientific Bulletin of the LNUVMB named after S.Z. Gzhitskoho, 2018. - vol. 20, no. 87. - pp. 13-18. 3.

3. Kasianchuk V.V. Bergilevich O. M. Negai I. V., Antibacterial properties of honey solutions. Collection of works "Problems of zoengineering and veterinary medicine" KhDZVA 2018, Vol. 35, Part 2, Volume 3 "veterinary sciences".

4. Kasianchuk V.V., Bergilevych O.M., Kusturov V.B., Lotskin I.M., Deryabin

	<p>O.M.. Detection of methicillin resistance gene in <i>S. aureus</i> isolates isolated from cows' milk - Veterinary Biotechnology 32 (1), 2018. – P. 107-115.</p> <p>5. The influence of moisture content and acidity on the microbiological indicators of bee honey / Kasianchuk V.V., Bergilevich O.M., Negai I.V.//Collection of scientific works "Problems of zoengineering and veterinary medicine", Kharkiv State Zooveterinary Academy. – Issue 32. – Part 2. – 2016. – P. 195 – 199</p>
<b>Patents</b>	<ol style="list-style-type: none"> <li>1. Patent of Ukraine for utility model No. 118844 / Method of detection of deoxyribonucleic acid (DNA) of bacteria <i>Cronobacter</i> spp. (<i>Enterobacter sakazakii</i>) / O.M. Bergilevich, V.V. Kasianchuk, O.M. Deryabin, etc., owner of Sumy State University. - owner 27.03.2017; published 28. 08.2017 Bul. No. 16. – 4p.</li> <li>2. Patent of Ukraine for utility model No. 120257 Method for determination of organochlorine pesticides in bivalve molluscs (Black Sea mussels) V.V. Kasianchuk, I.A. Fodchenko, O.M. Bergilevich, Skrypka G.A. owner Sumy State University - owner 05/03/2017; published 25.10.2017 Bul. No. 20. – 7p.</li> <li>3. Patent of Ukraine for utility model No. 130359 / Method of predicting bacteria of the Enterobacteriaceae family / O.M. Bergilevich, Kasianchuk V.V., Konyeva A. O., Chernetskyi I.V. owner Sumy State University - owner 11.05.2018; published 10. 12. 2018. Bul. No. 23. – 6p.</li> <li>4. Patent of Ukraine for a utility model No. 135262 Method for determining methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) based on quantitative measurement of the bacterial cell radius using a raster microscope / Bergilevich O.M., Kasianchuk V.V., Shubin P.A., Butsyk A.S., Konyeva A.O., Chernetsky I.V. owner Sumy State University - owner 09.01.2019; published 25. 06.2019. Bul. No. 12. – 6p.</li> <li>5. Patent of Ukraine for a utility model No. 136488 Method of determining the elemental composition of polyfloral honey by the X-ray fluorescence method in order to identify its geographical origin / Kasianchuk V.V., O.M. Bergilevich, Negai I.V., Sukhodub L.F., Sukhodub L.B. owner Sumy State University - owner 07.02.2019;</li> </ol>
<b>Training of scientific personnel</b>	<p>I have defended the thesis 10 candidates of sciences-PHD and 2 doctors of sciences. Currently, I supervise 3 graduate PHD students.</p>
<b>Other professional activity</b>	<p><b>Participation in scientific and practical conferences:</b></p> <ol style="list-style-type: none"> <li>1. Kasianchuk V.V. A new European One Health approach to the problem of antibiotic resistance for public health. International scientific and practical conference "Food safety control. Ukraine-EU: unresolved issues" within the framework of the project supported by the Jean Monet program "Food safety control in the EU" dedicated to the 120th anniversary of the National University of Bioresources and Nature Management of Ukraine on April 19-20, 2018, Kyiv.</li> <li>2. Kasianchuk V.V. Methodology of accelerated monitoring and assurance of sanitary quality and food safety in Ukraine. FoodMicro 26th International ICFMH, Conference 3 – 6 September, 2018 Freie University of Berlin.</li> <li>3. Kasianchuk V. Analysis of prevalence and antibiotic susceptibility of <i>Escherichia coli</i> different serotypes isolated from patients with intestinal infections. International Distance Conference “Public Health in Ukraine: Modern Challenges and Prospects of Development” 23 – 24 April 2020, Sumy, Ukraine.</li> <li>4. Kasianchuk V.V., Bergilevich O.M., Smiyanova O.I. Modern trends in the training of bachelors of public health in the discipline "Fundamentals of food hygiene at Sumy State University."- the first international Ukrainian-German symposium on public health "public health in the social and educational space - today's challenges and development prospects."- September 25-26, 2019. Ternopil.</li> <li>5. Developed 2 personnel training courses "Junior manager of food safety management systems" and "Manager of food safety management systems" - Certificate of recognition of the training course of personnel training in the scheme</li> </ol>

	<p>of the Personnel Certification Body of the Ukrainian Quality Association, registration number in the register of Ukrainian Quality Organization No. 33 from 04/13/2017.</p> <p>6. Certificate B2 on knowledge of the English language № 000994458, 09.07.2019 p.</p>
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