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<b>Position</b>	Associate Professor of the Department of Physiology and Pathophysiology with a course in Medical Biology
<b>Academic Degree</b>	Candidate of Biological Sciences
<b>Discipline Taught</b>	Physiology
<b>Scopus Author ID</b>	57210577054, h-index = 1 <a href="#">Scopus Profile</a>
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<b>Google Scholar</b>	Google Academy, h-index = 5 <a href="#">Google Scholar Profile</a>
<b>eSSUIR</b>	<a href="https://essuir.sumdu.edu.ua/simplesearch?query=%D0%94%D0%B5%D0%BC%D0%B5">https://essuir.sumdu.edu.ua/simplesearch?query=%D0%94%D0%B5%D0%BC%D0%B5</a>
<b>Candidate Dissertation</b>	“Physiological and Hygienic Assessment of the Formation of Graphomotor Skills in Children Aged 5-8” (Specialty: 14.02.01 – Hygiene and Occupational Pathology; Scientific Supervisor – Doctor of Medical Sciences, Professor Kalynichenko I.O.) (Kyiv, O. M. Marzeiev Institute of Hygiene and Medical Ecology, NAMS of Ukraine, 2015)
<b>Work Experience</b>	<ul style="list-style-type: none"> <li>• 2008 – 2014: Lecturer at the Department of Sports Medicine and Valuology of Sumy State Pedagogical University named after A.S. Makarenko</li> <li>• 2014 – 2017: Lecturer at the Department of Medical and Biological Foundations of Physical Culture of Sumy State Pedagogical University named after A.S. Makarenko</li> <li>• 2017 – 2018: Senior Lecturer at the Department of Medical and Biological Foundations of Physical Culture of Sumy State Pedagogical University named after A.S. Makarenko</li> <li>• 2018 – 2023: Senior Lecturer at the Department of Physiology and Pathophysiology with a Course in Medical Biology at Sumy State University</li> <li>• 2023 – present: Associate Professor at the Department of Physiology and Pathophysiology with a Course in Medical Biology, Educational and Scientific Medical Institute of Sumy State University</li> </ul>
<b>Publications</b>	Has approximately 40 scientific and educational-methodical works.
<b>Monograph</b>	Zavadaska M. M. Health Status and Physical Development of School-Aged Children // Preservation and Strengthening of Children's Health in Modern Educational Institutions: Problems and Perspectives: Monograph / [Ed. I. O. Kalynichenko]. – Sumy: FOP Tsoma S. P., 2017. – P. 103 - 129 (214 p.).
<b>Textbooks</b>	Besiadina A.A., Demenko M.M. Hereditary Diseases:

	Educational Guide / Besiadina A.A., Demenko M.M. – Sumy: Sumy State University, 2024. – 154 p.
<b>Methodical Guidelines</b>	Harbuzova V.Yu., Zavadska M.M., Obukhova O.A. Methodical Guidelines for Independent Work in the Course "Physiology" for 2nd-Year Students of Specialties 221 "Dentistry," 222 "Medicine," 228 "Pediatrics" Full-Time Studies: Educational Publication. – Sumy: Sumy State University, 2020. – P. 330.
<b>Methodical Recommendations</b>	System of Preventive Health Measures for Preparing Older Preschool Children for Education in General Education Institutions: Method. Recommendations / [Compiled by: N. S. Polka, I. O. Kalynichenko, S. V. Hozak et al.]. – Kyiv, 2013. – 52 p.
<b>Lecture Notes</b>	Physiology of Sensory Systems: Lecture Notes / Compilers: M. M. Demenko, V. Yu. Harbuzova, O. A. Obukhova. – Sumy: Sumy State University, 2022. – 48 p.
<b>Scientific Work</b>	“Comprehensive Assessment of Children's Readiness for Learning in General Education Institutions” (Certificate No. 115823 dated January 16, 2023) by Demenko M. M., Harbuzova V. Yu., Obukhova O. A.
<b>Key Scientific Articles in publications indexed by the SCOPUS database</b>	<ol style="list-style-type: none"> <li>1. Physiological Component of Graphomotor Skills of Children Aged from 5 to 8 Years Old / Zavadska M., Biesiedina A., Oleshko T., Starchenko A. // Physical Activity Review, 2019, 7, pp. 125–133.</li> <li>2. The Association of Vitamin D Receptor Gene (VDR) Polymorphisms with High Blood Pressure in Stroke Patients of the Ukrainian Population / Obukhova O.A., Ataman A.V., Zavadska M.M., Piven S.M., Levchenko Z.M. // Wiadomosci Lekarskie (Warsaw, Poland: 1960). – 2020. – Vol. 73 (11). – pp. 2349–2353.</li> <li>3. Analysis of Blood Hypercoagulation Risk in Patients with Ischemic Atherothrombotic Stroke Depending on the VDR Gene Polymorphisms / Olha A. Obukhova, Viktoriia Yu. Harbuzova, Maryna M. Zavadska, Zoia M. Levchenko, Antonina A. Biesiedina, Yelizaveta A. Harbuzova, Yuliia O. Smiianova, Vladyslav A. Smiianov // Wiadomości Lekarskie, Volume LI, 2023, Issue 4, Jul – Aug. pp. 334 – 338.</li> <li>4. Personal Component of Graphomotor Skills of Children Aged 5–8 Years / Demenko M, Harbuzova V, Obukhova O, Biesiedina A, Levchenko Z. East Ukr Med J. 2023;11(4):442-452. DOI: <a href="https://doi.org/10.21272/eumj.2023;11(4):442-452">https://doi.org/10.21272/eumj.2023;11(4):442-452</a></li> <li>5. Relationship of Dermatoglyphics with Speed of Reaction and Type of Temperament of Athletics / Antonina A. Biesiedina, Maryna M. Demenko, Tetiana M. Oleshko, Anastasiia Yu. Starchenko, Zoia M. Levchenko. Wiadomości Lekarskie Medical Advances. 2023; 12: 2564-2571. doi:10.36740/WLek202312103</li> </ol>

<b>Key Scientific and Educational-Methodical Works</b>	<ol style="list-style-type: none"> <li>1. Zavadzka M. M. Preventive Work on the Psychophysiological Development of Younger School-Aged Children / M. M. Zavadzka // Current Issues of Physiology, Pathology, and Medical Support Organization for School-Aged Children and Adolescents: Scientific and Practical Conference with International Participation, October 24 – 25, 2013: Conference Materials. – Kharkiv, 2013. – pp. 50 -51.</li> <li>2. Verbienko M. M. Physiological Aspects of Written Speech / M. M. Verbienko // Bulletin of Biological and Medical Problems. – Poltava: UMSA, 2013. – pp. 11 – 15.</li> <li>3. Zavadzka M. N. Features of the Psychophysiological Component of Graphic Readiness in Children Aged 5-8 with Different Levels of Developed Graphomotor Skills / M. N. Zavadzka // Health and Environment: Collection of Scientific Papers / Ministry of Health of the Republic of Belarus. Scientific and Practical Center for Hygiene; Chief Ed. S. I. Sychik. – Minsk: RNMB, 2014. – Vol. 2, Iss. 24. – pp. 125–128.</li> <li>4. Zavadzka M. N. Physical Rehabilitation in Children Aged 11-14 with Obesity in General Education Institutions / M. N. Zavadzka // Young Sports Science of Belarus: Proceedings of the International Scientific and Practical Conference, Minsk, April 8–10, 2014: in 3 parts / Belarusian State University of Physical Culture; Editorial Board: T. D. Polyakova (Chief Ed.) [et al.]. – Minsk: BGUFC, 2014. – Part 3. – pp. 106 – 108.</li> <li>5. Kalynichenko I. A. Integral Hygienic Assessment of Child Posture While Writing / I. A. Kalynichenko, M. N. Zavadzka // Health and Environment: Collection of Scientific Papers / Ministry of Health of the Republic of Belarus. Scientific and Practical Center for Hygiene; Chief Ed. S. I. Sychik. – Minsk: RNMB, 2015. – Vol. 1, Iss. 25. – pp. 143–145.</li> <li>6. Zavadzka M. M. Assessment of the Effectiveness of Improving Initial Graphomotor Skill Opportunities in Children Aged 5 – 8 Years / M. M. Zavadzka // Pedagogical Sciences: Theory, History, Innovative Technologies / Chief Ed. A. A. Sbrueva. – Sumy: Publishing House of Sumy State Pedagogical University named after A. S. Makarenko, 2016. - No. 3 (57). – pp. 143 – 149.</li> <li>7. Zavadzka M. M. Optimization of Physical Education for University Students Using Sport Walking / M. M. Zavadzka // Science and Education: Scientific and Practical Journal of the Southern Scientific Center of the AAP of Ukraine. – Odesa, 2016. - No. 6. – pp. 43 – 45.</li> <li>8. Zavadzka M. M. The Role of Physical Education in Restoring the Working Capacity of Students in General Education Institutions / M. M. Zavadzka, Latina H.O. // Young Scientist: Collection of Scientific Papers - 2016. - No.11.1 (38.1), 2016. – pp. 36 – 39.</li> <li>9. Zavadzka M. M. The Impact of Different Types of Writing on the Motor and Coordinative Abilities of Children / M. M. Zavadzka // Current Issues of Hygiene and Environmental Safety in Ukraine (Thirteenth Marzeiev Readings): Scientific and Practical Conference for Young Scientists. – October 19-20, 2017. – Kyiv, 2017. – Iss. 17. – pp. 161 – 163.</li> <li>10. Zavadzka M. M. Age Features of Writing Speed in Children with Different Levels of Developed Graphomotor Skills / M. M. Zavadzka // Ukrainian Journal of Medicine, Biology and Sports. – Mykolaiv: Petro Mohyla Black Sea National University, 2017. – No. 2 (4). – pp. 214 – 218.</li> <li>11. Biesiedina A.A., Demenko M.M., Levchenko Z.M., Rebriy Y.O. Analysis of the Role of Molecular Genetic Markers in the Development of Physical Qualities “Perspectives and Innovations in Science (Medicine Section)”: Journal. 2023. No. 6 (24) 2023. pp. 124.</li> </ol>
<b>Foreign Internships</b>	<ol style="list-style-type: none"> <li>1. From June 26 to 29, 2018, the II International Scientific and Practical Conference took place in the city of Nowy Sącz (Poland) at the National-Louis University’s Higher School of Business. The presentation was titled:</li> </ol>

	<p>"Age Peculiarities of the Writing Speed of Children with Different Levels of Formation of Graphomotor Skills."</p> <p>2. Scientific and Pedagogical Internship "Introducing Innovative Teaching Practices and Developing Educational Processes in Medicine and Dentistry: Experience from EU Countries," which was conducted online from October 4 to November 12, 2021 (Bratislava, Slovakia).</p> <p>3. International Scientific and Pedagogical Internship "Fundraising and Organizing Project Activities in Educational Institutions: European Experience" (Kraków, Poland), conducted online from April 22 to May 28, 2023.</p>
<b>Participation in Research Projects</b>	Research on the association of single nucleotide polymorphism in certain genes with the development of physical qualities in athletes (state registration number 0119U103044).
<b>Professional Development</b>	2019 – Sumy State University, "English Language Courses," obtained a B2 level certificate.
<b>Qualification Enhancement Programs at Sumy State University</b>	<ol style="list-style-type: none"> <li>1. "Test &amp; Time Management: Implementing Classical Methodologies in Web Applications" Certificate No. SP 05408289/0126-20 (April 21-24, 2020)</li> <li>2. "Distance Learning Technologies at Sumy State University" Certificate No. SP 05408289/1014-20 (May 13 - June 3, 2020)</li> <li>3. "Theory and Practice of Organizing Continuous Education" Certificate No. SP 05408289/0840-20 (May 19-22, 2020)</li> <li>4. "Methods of Activating the Learning Process: Modern Trends" Certificate No. SP 05408289/1886-20 (September 15-25, 2020)</li> <li>5. "The Teacher's Blog as a Tool for Modernizing the Learning Process" Certificate No. SP 05408289/1983-20 (October 12-16, 2020)</li> <li>6. "Promotion of Educational Services: Why a Teacher Needs Copywriting" Certificate No. SP 05408289/1886-22355-20 (November 3-6, 2020)</li> <li>7. Qualification Enhancement Program at Sumy State University "Physical and Mental Health of a Person: Principles of Resilience in Crisis Conditions," Certificate No. SP 05408289/0124-24 from January 22-26, 2024, 1 ECTS credit.</li> <li>8. Online Course "Watch Your Step, Watch Where You Are Going" March 15, 2023.</li> </ol>
<b>Qualification Enhancement Courses on the Coursera Platform</b>	<p>2022: Vital Signs: Understanding What the Body Is Telling Us</p> <p>2022: Essential Epidemiologic Tools for Public Health Practice</p> <p>2022: Medical Terminology (I-III)</p> <p>2022: Positive Psychiatry and Mental Health</p> <p>2022: Biohacking Your Brain's Health</p>