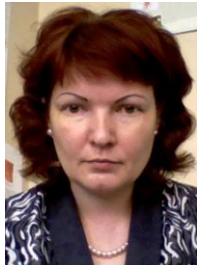




Curriculum Vitae

Bogutska K.

ОСОБИСТА ІНФОРМАЦІЯ



Bogutska Kateryna

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Account (profile) in scientific metric databases:
Scopus Author ID: 6508280231

Sex W | Data of Birth 03/08/1973 | Citizenship Ukraine

Research degree (degree, speciality)	PhD (Biophysics)
Title	Docent
Current post	Associated Professor
Department	Department of Biophysics and Medical Informatics
Faculty/Institute	Educational and Scientific Centre "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv

Academic disciplines, which have been taught:

Current year (2022-2023)	<ol style="list-style-type: none">1. «Biophysics», 3st Year BSc.2. «Radioecology», 4st Year BSc.3. «Methodology and organization of research in biology», 1st Year MSc.4. «Medical informatics and basics of statistics», 1st Year MSc.5. «Biophysics of membranes», 4st Year BSc.
Previous periods 1998-2021	Educational and Scientific Centre "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv <ol style="list-style-type: none">1. «Biophysics», 3st Year BSc2. «Biophysics of membranes», 4st Year BSc.3. «Medical informatics», 1st Year MSc.4. «Laboratory practicals in Biophysics», 3st and 4th Year BSc.5. «Radiation biophysics», 1st Year MSc.6. «Biophysical methods of research», 3st Year BSc.7. «Radioecology», 4st Year BSc.8. «Methodology and organization of research in biology», 1st Year MSc.9. «Biophysics of evolutionary processes», 1st Year MSc.10. «The modern problems of the evolution theory», 1st Year MSc.11. «Physical and chemical research techniques of biomacromolecules», 3st Year BSc.12. «Physical methods of researches», 3st Year BSc.13. «Principal physics of photobiology», 2nd Year MSc.14. «Biophysics of macromolecules», 1st Year MSc.15. «Scientific seminars», 1st Year MSc.

RESEARCH AND TEACHING EXPERIENCE

Period	Stage (description)
(2005 - present)	Post <u>Docent of the Department of Biophysics and Medical Informatics</u> 64/13, Volodymyrska Street, Kyiv, Ukraine, 01601, web page: http://www.univ.kiev.ua Area of work or sector Education/Research
(1998 - 2005)	Post <u>Assistant Professor of the Department of Biophysics</u> 64/13, Volodymyrska Street, Kyiv, Ukraine, 01601, web page: http://www.univ.kiev.ua Area of work or sector Education/Research

EDUCATION AND INTERNSHIP

Period	Stage (description)
(1995 - 1998)	T.G. Shevchenko Kyiv State University
	PhD student at the Department of Biophysics, Faculty of Biology
(1990 - 1995)	T.G. Shevchenko Kyiv State University
	Student of Faculty of Biology

PERSONAL COMPETENCIES

Name	Level (description)
Native language	Ukrainian
Foreign language	English
Areas of professional interests	Biophysics of muscles, namely research of impact of physical and chemical factors of the different nature on functioning of muscles in norm and pathological states

ADDITIONAL INFORMATION

Name	(titles of publications, presentations, projects, conferences, seminars, distinctions, membership in Academies, professional and scientific associations etc)
Publications	<ol style="list-style-type: none"> 1. Prylutskyi Yu., Nozdrenko D., Gonchar O., Prylutska S., Bogutska K., Franskevych D., Hromovik B., Scharff P., Ritter U. C₆₀ fullerene attenuates muscle force reduction in a rat during fatigue development // <i>Heliyon</i>. – 2022. – V. 8, № 12. – Art. no. e 12449; https://doi.org/10.1016/j.heliyon.2022.e12449 2. Nozdrenko D., Prylutska S., Bogutska K., Cherepanov V. et al. Analysis of Biomechanical and Biochemical Markers of Rat Muscle Soleus Fatigue Processes Development during Long-Term Use of C₆₀ Fullerene and N-Acetylcysteine // <i>Nanomaterials</i>. – 2022. – Vol. 12, №9. – Art. no. 1552; https://doi.org/10.3390/nano12091552 3. Nozdrenko D.M., Bogutska K.I., Pampuha I.V., Gonchar O.O., Abramchuk O.M., Prylutskyi Y.I. Biochemical and tensometric analysis of C₆₀ fullerenes protective effect on the development of skeletal muscle fatigue // <i>Ukr. Biochem. J.</i> – 2021. – Vol. 93, №4. – P. 93-102. 4. Nozdrenko D., Abramchuk O., Prylutska S., Vygovska O., Soroca V., Bogutska K., Khrapatyi S., Prylutskyi Y., Scharff P., Ritter U. Analysis of biomechanical parameters of <i>muscle soleus</i> contraction and blood biochemical parameters in rat with chronic glyphosate intoxication and therapeutic use of C₆₀ fullerene // <i>Int. J. Mol. Sci.</i> – 2021. – Vol. 22, №9. – Art. no. 4977; DOI: 10.3390/ijms22094977 5. Nozdrenko D.M., Matvienko T.Yu., Vygovska O.V., Bogutska K.I., Drozd P.Yu., Prylutskyi Yu.I. The change in the biochemical parameters of the rat blood after skeletal muscle injury with C₆₀ fullerene injection // <i>Nanosistemi, Nanomateriali, Nanotehnologii</i>. – 2020. – Vol. 18, №3. – P. 449-458; https://doi.org/10.15407/nnn.18.03.449 6. Nozdrenko D.M., Matvienko T.Yu., Bogutska K.I., Artemenko O.Yu., Ilchenko O.V., Prylutskyi Yu.I. Applying C₆₀ fullerenes improve the physiological state of rats with ischemia-reperfusion injury of skeletal muscle // <i>Nanosistemi, Nanomateriali, Nanotehnologii</i>. – 2019. – Vol. 17, №3. – P. 409-424; https://doi.org/10.15407/nnn.17.03.409 7. Matvienko T.Yu., Zavodovskiy D.A., Vulytska D.A., Zay S.Yu., Motuziuk O.P., Bogutska K.I., Nozdrenko D.N., Sklyarov Yu.P., Prylutskyi Yu.I. Water-soluble nanoscale C₆₀ fullerenes as effective therapeutic means for prevention and correction of ischemic injury in skeletal muscle // <i>Int. J. Physiol. Pathophysiol.</i> – 2017. – Vol. 8, №2. – P. 177-193. 8. Bychko A., Sokolova V., Prylutska S., Bogutska K., Rybalchenko V., Evstigneev M., Prylutskyi Y., Epple M., Ritter U., Scharff P. Interaction of C₆₀ fullerene complexed to cisplatin with model bilipid membranes and its uptake by HeLa cells // <i>Materialwissenschaft und Werkstofftechnik</i>. – 2016. – Vol. 47, Is. 2-3. – P. 105-111. 9. Bogutska K.I., Sklyarov Yu.P., Prylutskyi Yu.I. Zinc and zinc nanoparticles: biological role and application in biomedicine // <i>Ukrainica Bioorganica Acta</i>. – 2013. – №1. – P. 9-16. 10. Phase transitions: theoretical foundations and examples for biological systems / Bogutska K.I., Ogloblya O.V. - K.: Capri Publishing House, 2019. - 80 p. <p>In total over 170 publications, including 8 reviews, 9 textbooks (h-index in Scopus 5).</p>

Seminars	<p>1. 3rd Ukrainian–French school-seminar “Carbon nanomaterials: structure and properties” (2017).</p> <p>2. International Workshop "Medical physics – the current status, problems, the way of development. Innovation technologies" (2018, 2019).</p>
Research Symposia	<p>1. The International research and practice conference “Nanotechnology and nanomaterials”, NANO-2021 and 2022. http://www.iop.kiev.ua/~een/conference/nano2021/index-en.html</p> <p>2. Ukrainian–German Symposium on Physics and Chemistry of Nanostructures and on Nanobiotechnology, 2015.</p> <p>3. XI Interregional Scientific Conference "Actual Issues in Biology and Medicine", Taras Shevchenko LNU, Luhansk, 2013. http://dSPACE.luguniv.edu.ua/jspui/bitstream/123456789/905/1/Thesis_2013.pdf</p> <p>4. Scientific and Practical Conference with International Participation "Current issues of biology, ecology, medicine and pharmacology", DZ "Dnipropetrovsk Medical Academy of the Ministry of Health of Ukraine", 2013. (abstract ISBN 978-966-7655-64-8)</p> <p>5. XII Interregional Scientific Conference "Current Issues in Biology and Medicine", Taras Shevchenko LNU, Starobilsk, 2014. http://dSPACE.luguniv.edu.ua/jspui/bitstream/123456789/904/1/Thesis_2014.pdf</p> <p>6. XI Ukrainian Biochemical Congress, Kyiv, 2014. https://biochemistry.org.ua/index.php?option=com_content&view=article&id=1930&Itemid=712&lang=uk</p> <p>7. 19th Congress of the Ukrainian Physiological Society named after P.G.Kostyuk with international participation, Lviv, 2015. http://biph.kiev.ua/images/7/72/2014_3_додаток.pdf</p> <p>8. The International research and practice conference “Nanotechnology and nanomaterials” (NANO-2017), Chernivtsi, 2017. http://www.iop.kiev.ua/~nano2017/#images/large/day1/1.png</p> <p>9. V Congress of the Ukrainian Biophysical Society (2011).</p> <p>In total 85 abstracts of communications at national and international research symposia.</p>
Membership	Ukrainian Biophysical Society
Certificate	<p>1. The course of professional development and development of pedagogical competences of teachers "KNU Teach Week", Taras Shevchenko National University of Kyiv, January 18-25, 2021; certificate dated 01.25.21;</p> <p>2. "Data Visualization", Prometheus; certificate dated 03.10.21.</p> <p>3. "Google digital tools for institutions of higher, professional pre-higher education", "Academy of Digital Development", October 4-18, 2021, Kyiv; certificate No. 14GW-012 dated 10.28.21;</p> <p>4. The course of professional development and development of pedagogical competences of teachers "KNU Teach Week 3", Taras Shevchenko National University of Kyiv, January 17-24, 2022; certificate No. 20-22 dated 07.02.22; http://www.ipe.knu.ua/sertyfikaty-2022-rik.html https://drive.google.com/file/d/1fUfKwXx0Gw-lfYgmmq3LVZaVWr_C1D/view</p> <p>5. "TEACHERS' SMARTUP", Sigma Software University, January 24-28, 2022, certificate No. 10173 dated 03/02/2022.</p>

SUPPLEMENTS

Name	Link
Publications	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=6508280231</p> <p>Web of Science: https://www.webofscience.com/wos/author/record/2307764</p> <p>Orcid: https://orcid.org/0000-0003-0202-8042</p> <p>Social network: https://sciprofiles.com/profile/1615301</p> <p>PubMed: https://pubmed.ncbi.nlm.nih.gov/?term=bogutsk https://pubmed.ncbi.nlm.nih.gov/?term=Bohuts%27ka+KI&cauthor_id=24809180</p> <p>Google Scholar: https://scholar.google.com.ua/citations?user=gRtmkGwAAAAJ&hl=uk</p>