

PUBLICATIONS

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Articles

24. Lushchak O., Velykodna M., Bolman S., **Strilbytska O.**, Berezovskyi V., Storey K.B. Prevalence of stress, anxiety, and symptoms of post-traumatic stress disorder among Ukrainians after the first year of Russian invasion: a nationwide cross-sectional study. *Lancet Reg Health Eur.* **2023**, 36, 100773.
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22. Serhiyenko V., Holzmann K., Holota S., Derkach Z., Nersesyan A., Melnyk S., Chernysh O., Yatskevych O., Mišík M., Bubalo V., **Strilbytska O.**, Vatsaba B., Lushchak O., Knasmüller S., Cherkas A. An exploratory study of physiological and biochemical parameters to identify simple, robust and relevant biomarkers for therapeutic interventions for PTSD: Study rationale, key elements of design and a context of war in Ukraine. *Proc Shevchenko Sci Soc Med Sci.* **2022**, 69(2).
21. Semaniuk U.V., Gospodaryov D.V., **Strilbytska O.M.**, Kucharska A.Z., Sokół-Łętowska A., Burdyliuk N.I., Storey K.B., Bayliak M.M., Lushchak O. Chili-supplemented food decreases glutathione-S-transferase activity in *Drosophila melanogaster* females without a change in other parameters of antioxidant system. *Redox Rep.* **2022**, 27(1), 221-229.
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18. **Strilbytska O.***, Semaniuk U., Burdyliuk N., Lushchak O. Evaluation of biological effects of graphene oxide using *Drosophila*. *Phys Chem Solid State.* **2022**, 23(2).
17. **Strilbytska O.M.****, Semaniuk U.V., Burdyliuk N.I., Lushchak O.V. Protein content in the parental diet affects cold tolerance and antioxidant system state in the offspring *Drosophila*. *Ukr Biochem J.* **2022**, 94(1):86-94.
16. **Strilbytska O.****, Semaniuk U., Burdyliuk N., Bubalo V., Lushchak O. Developmental diet defines metabolic traits in larvae and adult *Drosophila*. *Ukr Biochem J.* **2022**, 94(1):38-48.
15. Husak V., Strutynska T., Burdyliuk N., Pitukh A., Bubalo V., Falsfushynska H., **Strilbytska O.**, Lushchak O. Low-toxic herbicides Roundup and Atrazine disturb free radical processes in *Daphnia* in environmentally relevant concentrations. *EXCLI Journal.* **2022**, 21:595-609.
14. **Strilbytska O.M.**, Semaniuk U.V., Strutynska T.R., Burdyliuk N.I., Tsiumpala S., Bubalo V., Lushchak O. Herbicide Roundup shows toxic effects in nontarget organism *Drosophila*. *Arch Insect Biochem Physiol.* **2022**, e21893.
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Reviews and book chapters

17. Lushchak O., Orru M., **Strilbytska O.**, Berezovskyi V., Cherkas A., Storey K.B., Bayliak M. Metabolic and immune dysfunctions in post-traumatic stress disorder: what can we learn from animal models? *EXCLI Journal*, **2023**, 22, 928-945. <https://doi.org/10.17179/excli2023-6391>
16. Lushchak O., **Strilbytska O.**, Storey K.B. Gender-specific effects of pro-longevity interventions in *Drosophila*. *Mech Ageing Dev*. **2023**, 209, 111754.
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13. Lushchak O., Gospodaryov D., **Strilbytska O.**, Bayliak M. Changing ROS, NAD and AMP: A path to longevity via mitochondrial therapeutics. *Advances in Protein Chemistry and Structural Biology*. **2023**.
11. **Strilbytska O.M.**, Tsiumpala S.A., Kozachyshyn I.I., Strutynska T., Burdyliuk N., Lushchak V.I., Lushchak O. The effects of low-toxic herbicide Roundup and glyphosate on mitochondria. *EXCLI J*. **2022**, 21:183-196.

10. Kamyshnyi O., Matskevych V., Lenchuk T., **Strilbytska O.**, Storey K., Lushchak O. Metformin to decrease COVID-19 severity and mortality: Molecular mechanisms and therapeutic potential. *Biomed Pharmacother.* **2021**, 144, 112230.
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4. Piskovatska V., **Strilbytska O.**, Storey K.B., Vaiserman A., Lushchak O. mTOR pharmacology. *Encyclopedia of Biomedical Gerontology.* **2020**, 447-454.
3. Lushchak O., **Strilbytska O.**, Piskovatska V., Koliada A., Storey K. Intermittent fasting. *Encyclopedia of Biomedical Gerontology.* **2019**, 279-290.
2. Piskovatska V., **Strilbytska O.**, Koliada A., Vaiserman A., Lushchak O. Health Benefits of Anti-aging Drugs. *Subcell Biochem.* **2019**, 91:339-392.
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PUBLICATIONS SUMMARY

Experimental papers – 24; Reviews – 12; Book chapters – 5.

BIBLIOMETRICS

January 2024: Scopus h-index – 12, Citations – 377; Google Scholar h-index – 13, Citations – 495.

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