

**LISTA DE LUCRĂRI**  
**dr. ing. George-Andrei BEȘCHEA**

Articole publicate în reviste recunoscute la nivel internațional, cotate ISI Web of Science sau Arts & Humanities:

Nr. Crt.	Informații articol	WOS	Factor de impact - 2024
[1]	G.-A. Beșchea, Ș.-I. Câmpean, M.-B. Tăbăcaru, A. Șerban, B. Rubinsky, and G. Năstase, "Biochemical and Biophysical Research Communications" Glucose and glycerol temperature-pressure correlations for the design of cryopreservation protocols in an isochoric system at subfreezing temperature," <i>Biochem. Biophys. Res. Commun.</i> , vol. 559, pp. 42–47, 2021, <a href="https://doi.org/10.1016/j.bbrc.2021.04.084">https://doi.org/10.1016/j.bbrc.2021.04.084</a>	WOS:000645510400001	3.322
[2]	Ștefan-I. Câmpean, G.-A. Beșchea, A. Șerban, M. J. Powell-Palm, B. Rubinsky, and G. Năstase, "Analysis of the relative supercooling enhancement of two emerging supercooling techniques," <i>AIP Adv.</i> , vol. 11, no. 5, p. 55125, May 2021, <a href="https://doi.org/10.1063/5.0051662">https://doi.org/10.1063/5.0051662</a>	WOS:000675209000012	1,6
[3]	George Andrei Beșchea, Maria-Bianca Tăbăcaru, Ștefan Ioan Câmpean, Alexandru Șerban, Beatrice Georgiana Vuțoiu, Mariana-Florentina Ștefănescu, Alexandru Dobrovicescu, Gabriel Năstase, Temperature-pressure correlations of cryoprotective additives for the design of constant volume cryopreservation protocols, <i>Cryobiology</i> , 2022, ,ISSN 0011-2240, <a href="https://doi.org/10.1016/j.cryobiol.2022.08.001">https://doi.org/10.1016/j.cryobiol.2022.08.001</a>	WOS:000862726000006	2,728
[4]	George-Andrei Beșchea, Ștefan-Ioan Câmpean, Maria-Bianca Tăbăcaru, Beatrice-Georgiana Vuțoiu, Alexandru Șerban and Gabriel Năstase, A state of the art review of isochoric cryopreservation and cryoprotectants, <i>CryoLetters</i> , 2022, Volume 43 issue 4 pp 189-199 Beșchea PERSPECTIVE-1 <a href="https://doi.org/10.54680/fr22410110112">https://doi.org/10.54680/fr22410110112</a>	WOS:000876970300001	0,892
[5]	Câmpean, Ștefan I., Beșchea, G. A., Tăbăcaru, M. B., Scutaru, L. M., Dragomir, G., Brezeanu, A. I., Șerban,	WOS:001055322900001	3.776

George-Andrei BEȘCHEA – LISTA DE LUCRĂRI PUBLICATE

	A., & Năstase, G. (2023). Preservation of black grapes by isochoric freezing. Heliyon, 9(7), e17740. <a href="https://doi.org/10.1016/j.heliyon.2023.e17740">https://doi.org/10.1016/j.heliyon.2023.e17740</a>		
[6]	Gabriel Năstase, Florin Botea, <b>George-Andrei Beșchea</b> , Ștefan-Ioan Câmpean, Alexandru Barcu, Ion Neacșu, Vlad Herlea, Irinel Popescu, Tammy T. Chang, Boris Rubinsky and Alexandru Șerban. Isochoric Supercooling Organ Preservation System, Bioengineering 10(8):934, 2023 <a href="https://doi.org/10.3390/bioengineering10080934">https://doi.org/10.3390/bioengineering10080934</a>	WOS:001040329600001	<b>5.046</b>
[7]	Ștefan-Ioan Câmpean, <b>George-Andrei Beșchea</b> , Maria Bianca Tăbăcaru, Alexandru Șerban, Irinel Popescu, Florin Botea, Boris Rubinsky and Gabriel Năstase. Liquid–solid equilibria and supercooling of Custodiol® in isochoric thermodynamic systems at subfreezing temperatures, Physics of Fluids 35(10), 2023 <a href="https://doi.org/10.1063/5.0169216">https://doi.org/10.1063/5.0169216</a>	WOS:001099611300006	<b>4.1</b>
[8]	Alexandru Șerban, Gabriel Năstase, <b>George-Andrei Beșchea</b> , Ștefan-Ioan Câmpean, Cătălin Fetecău, Irinel Popescu, Florin Botea and Ion Neacșu. Prototype isochoric preservation device for large organs, Frontiers in Bioengineering and Biotechnology, 2024 <a href="https://doi.org/10.3389/fbioe.2024.1335638">https://doi.org/10.3389/fbioe.2024.1335638</a>	WOS:001188567100001	<b>4.3</b>

\*Corresponding Author

#### Volume de specialitate publicate:

- [1] George-Andrei Beșchea, Profile termodinamice în izocor pentru cele mai importante soluții crioprotectante, Editura Napoca Star, 2024  
ISBN:978-606-062-894-1
- [2] George-Andrei Beșchea, Ștefan-Ioan Câmpean, Maria Bianca Tăbăcaru, Beatrice-Georgiana Vutoiu. Autocad 2023 Tutorial: Mastering de skilli, Editura Napoca Star, 2024  
ISBN:978-606-062-909-2

Brașov,  
20 decembrie 2024

George-Andrei BEȘCHEA – LISTA DE LUCRĂRI PUBLICATE

Întocmit,  
dr. ing. George-Andrei BEȘCHEA