

Lista completă a lucrărilor publicate

Cărți publicate:

1. **Gabur I** (2019) Genome structural variation associates with fungal quantitative disease resistance in oilseed rape (*Brassica napus* L.), Editura: VVB LAUFERSWEILER VERLAG edition scientifique, 105 pagini, ISBN: 978-3-8359-6762-5
2. **Gabur I**, Simioniuc DP (2020) Ameliorarea plantelor. manual pentru lucrările practice. vol.1, Editura Ion Ionescu de la Brad, Iași, ISBN 978-973-147-390-1, Vol. 1. - 2020. ISBN 978-973-147-391-8
3. **Gabur I**, Simioniuc DP (2022) Ameliorarea plantelor si Genetica moleculară / Iulian Gabur, Dănuț Petru Simioniuc. – Iași, Editura Ion Ionescu de la Brad, 2022
ISBN 978-973-147-474-8
4. **Gabur I**, Simioniuc D (2023). Chapter 16: Pearl lupin (*Lupinus mutabilis*): a neglected high protein and oil content crop ; Book Title: Neglected and Neglected and Underutilized Crops: Future Smart Food; Publisher: Elsevier Science; Book Format. Paperback; Number of Pages. 840; Editors: Muhammad Farooq, Kadambot H M Siddique; eBook ISBN: 9780323906401, Paperback ISBN: 9780323905374

Articole /studii in extenso în jurnale cotate ISI

1. **Gabur I**, Chawla HS, Liu X, Kumar V, Faure S, von Tiedemann A, Jestin C, Dryzka E, Volkman S, Breuer F, Delourme R, Snowdon R, Obermeier C (2018) Finding invisible quantitative trait loci with missing data. *Plant Biotechnol J.* 16:2102-2112., **IF: 13.26** (2021). doi: 10.1111/pbi.12942
2. **Gabur I**, Chawla SH, Snowdon R, Parkin I (2019) - Connecting genome structural variation with complex traits in crop plants; *Journal: Theoretical and Applied Genetics* 132:733-750, **IF: 5.574** (2021). doi: 10.1007/s00122-018-3233-0
3. Voss-Fels KP, Robinson H, Mudge SR, Richard C, Newman S, Wittkop B, Stahl A, Friedt W, Frisch M, **Gabur I**, Miller-Cooper A, Campbell BC, Kelly A, Fox G, Christopher J, Christopher M, Chenu K, Franckowiak J, Mace ES, Borrell AK, Eagles H, Jordan DR, Botella JR, Hammer G, Godwin ID, Trevaskis B, Snowdon RJ, Hickey LT (2018) VERNALIZATION1 Modulates Root System Architecture in Wheat and Barley. *Mol Plant.* 11:226-229, **IF: 21.949** (2021). doi: 10.1016/j.molp.2017.10.005
4. Voss-Fels K, Qian L, **Gabur I**, Obermeier C, Hickey L, Werner C, Kontowski S, Frisch M, Friedt W, Snowdon R, and Gottwald S (2018) Genetic insights into underground responses to *Fusarium graminearum* infection in wheat. *Scientific Reports* 8: 13153, **IF: 4.996** (2021)
<https://www.nature.com/articles/s41598-018-31544-w>
5. Glaeser SP, **Gabur I**, Haghighi H, Bartz JO, Kämpfer P, Snowdon R, Obermeier C (2020) Endophytic bacterial communities of oilseed rape associate with genotype-specific resistance against *Verticillium longisporum*. *Journal: FEMS Microbiology Ecology*, fiz188, **IF: 4.519** (2021),
<https://doi.org/10.1093/femsec/fiz188>
6. **Gabur I**, Chawla, H.S., Lopisso, D.T. et al. (2020) Gene presence-absence variation associates with quantitative *Verticillium longisporum* disease resistance in *Brassica napus*. *Sci Rep* 10, 4131, **IF: 4.996** (2021). <https://doi.org/10.1038/s41598-020-61228-3>
7. Chawla HS, Lee H, **Gabur I**, Vollrath P, Tamilselvan-Nattar-Amutha S, Obermeier C, Schiessl SV, Song JM, Liu K, Guo L, Parkin IA. (2020) Long-read sequencing reveals widespread intragenic structural variants in a recent allopolyploid crop plant. *Plant biotechnology journal.* 2021 Feb;19(2):240-50 **IF: 13.26** (2021). <https://doi.org/10.1111/pbi.13456>.
8. Dumitriu Gabur GD, Teodosiu C, **Gabur I**, Cotea VV, Peinado RA, López de Lerma N. (2019) Evaluation of Aroma Compounds in the Process of Wine Ageing with Oak Chips. *Foods.* 2019;8(12):662. **IF: 5.561** (2021). doi:10.3390/foods8120662

9. Dumitriu Gabur GD, Teodosiu C, Cotea VV, Peinado RA, **Gabur I**, López de Lerma N. (2020) Study of Volatile Compounds of Romanian Red Wines Aged with Oak Chips, *EEMJ* 19: 229-234. **IF: 1.065** (2021)
10. Dumitriu GD, Teodosiu C, **Gabur I**, Cotea VV, Peinado RA, López de Lerma N.(2021) Alternative Winemaking Techniques to Improve the Content of Phenolic and Aromatic Compounds in Wines. *Agriculture*. 2021 Mar 11;11(3):233. **IF: 3.408** (2021). <https://doi.org/10.3390/agriculture11030233>
11. Vollrath P, Chawla HS, Alnajjar D, **Gabur I**, Lee H, Weber S, Ehrig L, Koopmann B, Snowdon RJ, Obermeier C (2021). Dissection of Quantitative Blackleg Resistance Reveals Novel Variants of Resistance Gene Rlm9 in Elite Brassica napus. *Frontiers in plant science*. 2021;12. **IF: 6.627** (2021). doi: 10.3389/fpls.2021.749491
12. Simioniu DP, Simioniu V, Topa D, van den Berg M, Prins U, Bebeli PJ, **Gabur I**. (2021) Assessment of andean lupin (*Lupinus mutabilis*) genotypes for improved frost tolerance. *Agriculture*. 2021 Feb 13;11(2):155. **IF: 3.408** (2021) <https://doi.org/10.3390/agriculture11020155>
13. Vollrath P, Chawla HS, Schiessl SV, **Gabur I**, Lee H, Snowdon RJ, Obermeier C.(2021) A novel deletion in FLOWERING LOCUS T modulates flowering time in winter oilseed rape. *Theoretical and applied genetics*. 2021 Apr;134(4):1217-31. , **IF: 5.574** (2021). <https://doi.org/10.1007/s00122-021-03768-4>
14. Dumitriu GD, Teodosiu C, Morosanu I, Plavan O, **Gabur I**, Cotea VV.(2021) Heavy metals assessment in the major stages of winemaking: Chemometric analysis and impacts on human health and environment. *Journal of Food Composition and Analysis*. 2021 Jul 1;100:103935.**IF: 4.52** (2021). <https://doi.org/10.1016/j.jfca.2021.103935>
15. **Gabur I**, Simioniu DP, Snowdon RJ, Cristea D. (2022) Machine Learning Applied to the Search for Nonlinear Features in Breeding Populations. *Frontiers in Artificial Intelligence*. 2022;5.**CiteScore 2.2**. DOI: 10.3389/frai.2022.876578
16. Dumitriu Gabur GD, **Gabur I**, Cuculea EI, Costache T, Rambu D, Cotea VV, Teodosiu C. Investigating Six Common Pesticides Residues and Dietary Risk Assessment of Romanian Wine Varieties. *Foods*. 2022 Jul 26;11(15):2225. . **IF: 5.561** (2021). <https://doi.org/10.3390/foods11152225>

Articole /studii in extenso în jurnale indexate ISI

17. **Gabur I**, Simioniu DP (2019) Genomic selection in *Brassica napus*. *Proceeding of the International Scientific Congress Life sciences, a challenge for the future*, Oct. 2019, Iasi
18. Gabur GD, Teodosiu C, **Gabur I**, Moraru I, Cotea VV. (2021) Physicochemical and Sensory Characteristics of Red Wines. In 2021 International Conference on e-Health and Bioengineering (EHB) 2021 Nov 18 (pp. 1-4). IEEE.
19. **Gabur I**, Sîrbu T, Murariu D, Simioniu V, Simioniu DP (2022) Phenotypic analysis of Vegetal Genetic Resources Bank "Mihai Cristea" Suceava germplasm in North-East Romanian field conditions. The 10th IEEE International Conference on E-Health and Bioengineering - EHB 2022 Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania, November 17-18, 2022 (manuscript accepted).

Articole /studii in extenso în jurnale indexate BDI

20. **Gabur I**, Snowdon R, Obermeier C (2017) Genetic Structure of Synthetic *Brassica napus* L. Populations. *Lucrări Științifice – vol. 61(2):11-14, seria Agronomie*
21. **Gabur I**, Snowdon R, Obermeier C (2017) Linkage Disequilibrium in the Genome of Synthetic *Brassica napus* Populations. *Lucrări Științifice – vol. 61(2):55-59, seria Agronomie*
22. **Gabur I**, Lipșa F. D., Adumitrescu L., Tănase C. & Simioniu D. P. (2019) Assessment of genetic

- variation of *Tilia tomentosa* by RAPD markers. J. Plant Develop. 26: 85-91. <https://doi.org/10.33628/jpd.2019.26.1.85>
23. Sârbu T, Simioniuc DP, Murariu D, Simioniuc V, **Gabur I** (2022) DNA analysis of Romanian wheat cultivars from the Vegetal Genetic Resources Bank "Mihai Cristea" Suceava. *Lucrări Științifice – vol. 65(2)/2022, seria Agronomie*
24. **Gabur I**, Sârbu T, Murariu D, Simioniuc V, Simioniuc DP (2022) Phenotypic analysis of a wheat diversity panel from the Vegetal Genetic Resources Bank "Mihai Cristea" Suceava. *Lucrări Științifice – vol. 65(2)/2022, seria Agronomie*
25. Simioniuc DP, **Gabur I**, Sârbu T, Puiu I, Simioniuc V (2022) The effect of abiotic stress on white lupin (*Lupinus albus* L.) cv. "Mihai" plants in different density conditions. *Revista "Lucrări științifice. Seria Agronomie" - Volumul 65 nr. 1, 2022:111-116, ISSN 1454-7414.*
26. Simioniuc V, **Gabur I**, Sârbu T, Puiu I, Simioniuc DP (2022) The influence of postemergence herbicide on the main yield components in white lupin (*Lupinus albus* L.) – cv. "Ruxandra". *Revista "Lucrări științifice. Seria Agronomie" - Volumul 65 nr. 1, 2022:117-122, ISSN 1454-7414.*

Prezentări (invited speaker) la conferințe/congrese/simpozioane

- 14.10.2016: Speaker, "Development of a high-throughput method for *Verticillium longisporum* disease scoring in *Brassica napus*", Congress "Life sciences, a challenge for the future", University of Agricultural Sciences and Veterinary Medicine of Iasi, Romania
- 19.10.2017: Speaker, "Comparative GWAS analysis of a NAM population for resistance to oilseed rape diseases", Congress "Life sciences, a challenge for the future", University of Agricultural Sciences and Veterinary Medicine of Iasi, Romania
- 13.01.2018: Invited speaker, "Genome structural variation associated with disease resistance in *Brassica napus*", Brassicas workshop, Plant and Animal Genome XXVI, San Diego, USA
- 14.01.2018: Invited speaker, "Finding invisible QTL using missing data: Examples from a strongly restructured crop genome", QTL cloning workshop, Plant and Animal Genome XXVI, San Diego, USA
- 17.10.2018: Speaker, "Genome structural variation associated with disease resistance in *Brassica napus*", Congress "Life sciences, a challenge for the future", University of Agricultural Sciences and Veterinary Medicine of Iasi, Romania
- 13.01.2018: Invited speaker, "Genome structural variation associated with disease resistance in *Brassica napus*", Brassicas workshop, Plant and Animal Genome XXVI, San Diego, USA
- 12.01.2020: Invited speaker, "Structural variation associated with quantitative disease resistance in *Brassica napus*", Gene mapping by segregation workshop, Plant and Animal Genome XXVI, San Diego, USA
- 06.11.2020: Speaker, "Assessment of Andean lupin (*Lupinus mutabilis*) Genotypes for Improved Frost Tolerance", 14th Edition of the International Conference for Food Physicists. November 05-06, 2020 / Iasi, ROMANIA

Alte contribuții științifice la conferințe/congrese/simpozioane

- Gabur I**, Snowdon R, Obermeier C (2017) Genome-wide association studies for multiple disease resistance in *Brassica napus*. PLANT 2030 Status Seminar, Potsdam, Germany - Poster
- Gabur I**, Snowdon R, Obermeier C (2017) Genome-wide association studies for multiple disease resistance in *Brassica napus*. 5-th Quedlinburger Pflanzenzüchtungstage, IPK-Gatersleben, Germany - Poster
- Gabur I**, Snowdon R, Obermeier C (2017) Genome-wide association studies for multiple disease

resistance in *Brassica napus*. 4-th International Symposium on Genomics of Plant Genetic Resources 4, Giessen, Germany - Poster

Gabur I, Snowdon R, Obermeier C (2018) Genome-wide association studies for multiple disease resistance in *Brassica napus*. PLANT 2030 Status Seminar, Potsdam, Germany - Poster

Gabur I, Chawla HS, Liu X, Kumar V, Faure S, von Tiedemann A, Jestin C, Dryzka E, Volkmann S, Breuer F, Delourme R, Snowdon R, Obermeier C (2018) Genome-wide association studies for multiple disease resistance in *Brassica napus*. German Breeding Conference, Wernigerode, Germany – Poster

Gabur I, Chawla HS, Liu X, Kumar V, Faure S, von Tiedemann A, Jestin C, Dryzka E, Volkmann S, Breuer F, Delourme R, Snowdon R, Obermeier C (2018) Genome-wide association studies for multiple disease resistance in *Brassica napus*. Brassica 2018 - 21st Crucifer Genetics Conference, Saint-Malo, France – Poster

Gabur I, Chawla HS, Liu X, Kumar V, Faure S, von Tiedemann A, Jestin C, Dryzka E, Volkmann S, Breuer F, Delourme R, Snowdon R, Obermeier C (2019) Genome-wide association studies for multiple disease resistance in *Brassica napus*. Plant and Animal Genome XXVI, San Diego, USA - Poster

Gabur I, Chawla HS, Liu X, Kumar V, Faure S, von Tiedemann A, Jestin C, Dryzka E, Volkmann S, Breuer F, Delourme R, Snowdon R, Obermeier C (2020) Genome-wide association studies for multiple disease resistance in *Brassica napus*. Digital Breeding, Viena, Austria