

IOSUD - UNIVERSITATEA „DUNĂREA DE JOS” DIN GALAȚI

Memoriul științific al studentului doctorand

MEMORIU ȘTIINȚIFIC

Drd. CONSTANDACHE P. (LUNGEANU) DANIELA

Studii de doctorat

Perioada: 2021-2025

Conducător științific: Prof.dr.ing. BOTEZ ELISABETA

Domeniul de doctorat: INGINERIA PRODUSELOR ALIMENTARE

Titlul tezei de doctorat: EFECTELE SUBSTITUȚIEI CLORURII DE SODIU ÎN FERMENTAȚIA LACTICĂ A VEGETALELOR

Activitate științifică

A. Lista de lucrări științifice (articole în reviste sau volume)

1. Constandache (Lungeanu), Daniela, Doina-Georgeta Andronoiu, Oana Viorela Nistor, Oana Emilia Constantin, Dana Iulia Moraru, Ira-Adeline Simionov, Elisabeta Botez, and Gabriel-Dănuț Mocanu. 2025. **The Impact of Total Replacement of Sodium Chloride with Potassium and Magnesium Chloride on Pickling of Granny Smith Apples** Applied Sciences 15, no. 7: 3924. <https://doi.org/10.3390/app15073924> - factor de impact 2,5
2. Constandache (Lungeanu), Daniela, Doina-Georgeta Andronoiu, Oana Viorela Nistor, Dana Iulia Moraru, Ira-Adeline Simionov, Elisabeta Botez, and Gabriel-Dănuț Mocanu. 2025. **Insights into Native Fermentation Process of Apples (*Malus domestica*) in Low Sodium Conditions** Applied Sciences 15, no. 14: 7799. <https://doi.org/10.3390/app15147799> - factor de impact 2,5
3. Constandache (Lungeanu) Daniela, Nistor Oana-Viorela, Mocanu Gabriel-Dănuț, Andronoiu Doina-Georgeta, Botez Elisabeta. 2025. **General Insights into Fruits and Vegetables Lactic Fermentation – a minireview** Innovative Romanian Food Biotechnology, vol 27.

B. Participări la conferințe/workshop-uri

1. Constandache, D., Andronoiu, D.G., Nistor, O.V., Mocanu G.D., Botez E., **Influence of sodium chloride substitution on lactic fermentation of vegetables – a review**, Scientific Conference of Doctoral Schools, 10th Edition, 10 – 11 iunie 2022, Galați România, http://www.cssd-udjg.ugal.ro/files/2022/1/Program_detaliat_al_conferintei_2022.pdf
2. Constandache D, Andronoiu DG, Mocanu GD, Nistor OV, Constantin OE, Simionov IA, Botez E. **Sodium reduction in green apples (*Malus domestica*) pickling: effects on quality characteristics**. International Congress on Engineering and Sustainability in the XXI Century. 5-7 July 2023, Algarve – Faro, Portugal
3. Constandache D, Andronoiu DG, Nistor OV, Mocanu GD, Botez E. **Evolution of quality characteristics of green tomatoes during fermentation in lowsodium regime**. Multidisciplinary Conference on Sustainable Development Section: Food Chemistry, Engineering și Technology, 25-26 May 2023, Timișoara, România
https://www.usabtm.ro/utilizatori/tpa/fiile/conferinta/2023/01_Book%20of%20abstract_25%20mai%202023_Multidisciplinary%20Conference%20on%20Sustainable%20Development_FIA_site.pdf



4. Constandache D, Andronoiu DG, Mocanu GD, Nistor OV, Botez E. **Influence of brine composition on the quality characteristics of pickled green apples (*Malus domestica*)**. The 11th Euroaliment International Symposium, 19-20 October 2023, Galați, România
5. Constandache D., Andronoiu DG, Mocanu GD, Nistor OV, Botez E. **Chlorine salt mixtures used for sodium reduction in green tomatoes (*Solanum lycopersicum L.*) pickling: effects on quality characteristics during fermentation**. Scientific Conference of Doctoral Schools – Perspectives and challenges in doctoral research, 8-9 iunie 2023, Galați
<https://cssd-udjg.ugal.ro/archive/2023/images/2023/08/Program%20CSSD%202023.pdf>
6. Daniela Constandache, Doina-Georgeta Andronoiu, Gabriel-Dănuț Mocanu, Oana-Viorela Nistor, Elisabeta Botez. **Evaluation of Pickled Green Tomatoes Texture and Color During Storage in Low Sodium Conditions**. Conference of Doctoral Schools – Perspectives and challenges in doctoral research, 6-7 iunie 2024, Galați
https://cssd-udjg.ugal.ro/archive/2024/media/attachments/2024/06/13/program_sdsfi_s3_s7-de-listat-110-buc-1-1.pdf
7. Constandache (Lungeanu) Daniela, Nistor Oana-Viorela, Mocanu Gabriel-Dănuț, Andronoiu Doina-Georgeta, Botez Elisabeta. **Study upon the influence low sodium environment on quality characteristics of pickled unripe tomatoes during storage**. Conference of Doctoral Schools – Perspectives and challenges in doctoral research, 12-13 iunie 2025, Galați
https://www.cssd-udjg.ugal.ro/media/attachments/2025/06/20/program-sd-sfi-2025_s3-s7.pdf

C. Proiecte de cercetare științifică

1. Grant intern de cercetare nr. 9186 din 29.03.2023 cu titlul "Obținerea și caracterizarea unui produs vegetal funcțional de tip ready-to-eat și optimizarea tehnologiei de fabricare a acestuia" membru doctorand,

Student-doctorand

