

Postdoctoral researcher – RUMEUS Iurie**1. Date and place of birth: 23.09.1986, Cahul, Republic of Moldova****2. Relevant studies for the project:**

Institution	Technical University of Moldova, Faculty of Technology and Management in the Food Industry	Technical University of Moldova, Faculty of Technology and Management in the Food Industry	“Dunarea de Jos” University of Galați, Faculty of Food Science and Engineering
Period	2005 – 2009	2009-2011	2011-2020
Degrees	Engineer in manufacturing and processing technologies	Master in Manufacturing and Processing Technologies	PhD in Food Engineering

3. Place of work and function: Cahul State University “Bogdan Petriceicu Hasdeu” (Republic of Moldova), associate professor PhD, Head of the University department of Engineering and Applied Sciences**4. Research interests and activities relevant to the project**

- (a) Study of the effect of the addition of some vegetable products on the physicochemical, functional, textural, and sensory properties of bakery products;
- (b) Development of innovative bakery products with high functionality by addition of fruit processing (apple, pear, bilberry, blackcurrant) by-products (powders and extracts).

5. Publications: 22 scientific papers, of which 2 papers in ISI journals with impact factor, Hirsch index $h = 2$ in Google academic, co-inventor in 2 patents.**6. Relevant published papers selected for project activities**

- Ghendov-Mosanu, A.; Ropciuc, S.; Dabija, A.; Saitan, O.; Boestean, O.; Paiu, S.; Rumeus, I.; Leatamborg, S.; Lupascu, G.; Codină, G. G. Effect of Brewers' Spent Grain Addition in a Fermented Form on the Dough Rheological Properties from Different Triticale Flour Cultivars. *Foods* 2025, 14, 41. <https://doi.org/10.3390/foods14010041>
- Codină, G. G.; Ursachi, F.; Dabija, A.; Paiu, S.; Rumeus, I.; Leatamborg, S.; Lupascu, G.; Stroe, S. G.; Ghendov-Mosanu, A.; Physicochemical Properties, Polyphenol and Mineral Composition of Different Triticale Varieties Cultivated in the Republic of Moldova. *Molecules* 2025, Volume 30, Issue 6, 1233. <https://doi.org/10.3390/molecules30061233>
- Suhovici, D.; Paiu, S.; Rumeus, I.; Boestean, O.; Codină, G. G.; Ghendov-Mosanu, A. Current and prospective directions in the use of the grain crops triticale. *Journal of Engineering Science*, Vol. XXXII, no. 1 (2025), pp. 136 – 150, ISSN 2587-3474, eISSN 2587-3482, Categorie B+. [https://doi.org/10.52326/jes.utm.2025.32\(1\).11](https://doi.org/10.52326/jes.utm.2025.32(1).11)
- Erșova, S.; Saitan, O.; Tarna, R.; Rumeus, I.; Codină, G. G., Ghendov-Mosanu, A. Integration of spent grain into food products. *Journal of Engineering Science*, Vol. XXXI, no. 3 (2024), pp. 130 – 155, ISSN 2587-3474, eISSN 2587-3482, Categorie B+. [https://doi.org/10.52326/jes.utm.2024.31\(3\).11](https://doi.org/10.52326/jes.utm.2024.31(3).11)
- Rumeus, I. Bread rope spoilage development. *Journal of Engineering Science*, Vol. XXX, no. 2 (2023), pp.185-195, ISSN 2587-3474, eISSN 2587-3482, Categorie B+. [https://doi.org/10.52326/jes.utm.2023.30\(2\).16](https://doi.org/10.52326/jes.utm.2023.30(2).16)