



CURRICULUM VITAE

Personal information	
First name / Surname	IULIA VĂRZARU (MAROȘ)
Address	1 Poieni Street, ap 13, district 4, Bucharest, Romania
E-mail	iulia.maros@ibna.ro
Nationality	Romanian
Date of birth	April 18th 1985
Studies	
	<p>2004 - 2009 – University of Agricultural Sciences and Veterinary Medicine Bucharest - Faculty of Veterinary Medicine, Control and Expertise of Alimentary Products – License diploma</p> <p>2012 – 2015 – University of Agricultural Sciences and Veterinary Medicine Bucharest, Doctoral School Engineering and management of plant and animal resources, Animal Science field</p>
Trainings and courses	
	<p>2020 - “Laboratory Quality Control Systems”, Texas A&M University si Food Agriculture Organization (FAO).</p> <p>2012 - “Ion chromatographic analysis of amino acids, DAPA and available lysine”, Wageningen University & Research Center (WUR), Animal Nutrition Group, Wageningen, Olanda.</p> <p>2010 - Training program for trainer qualification, SC CEPECOM SA, Bucuresti, Romania.</p> <p>2010 - “High performance liquid chromatography (HPLC): the use of Surveyor Plus chromatograph and the software ChromCard”, PRO ANALYSIS SYSTEM, Bucharest, Romania.</p> <p>2007 - “The HACCP System and its foundation”, HACCP Consulting Group, United States Departament of Agriculture, Bucharest, Romania.</p>
Work experience	
Dates	2009 - present
Name of employer	<p>National Research Development Institute for Animal Biology and Nutrition (IBNA Balotesti)</p> <p><i>Evolution:</i> 2009-2011: research assistant 2011-2015: scientific researcher 2015-present: scientific researcher III</p>

Main activities and responsibilities	<ul style="list-style-type: none"> ▪ Assessing of protein quality and amino acids bioavailability from unconventional feed sources by digestibility trials performed on laying hens, broilers and pigs. ▪ Increasing the digestibility of amino acids from PUFA-rich feed sources in laying hens ▪ studies on the ability of vegetal by-products (considered low-cost sources) to improve the content of bioactive compounds in chicken egg. ▪ evaluation of the antioxidant potential of different plants in terms of the content of vitamins A and E and xanthophyll pigments (lutein and zeaxanthin). ▪ team member for development of nutritional strategies in order to obtain functional foods. ▪ team member for projects development and implementation in national and international competitions. ▪ administrative management of national projects within PNCD I and II ▪ team member for patent applications. ▪ development and validation of liquid chromatographic methods to sustain the extension of the laboratory research area.
Patents	<ul style="list-style-type: none"> • Patent no. 131834 / 30.07.2019 „ Feed composition enriched in xanthophylls for laying hens”. Authors: Tatiana Dumitra Panaite, Iulia Varzaru, Rodica Diana Criste, Margareta Olteanu, Natalita Bordei, Mariana Popescu, Alexandru Suci. • Patent no. 12935 / 28.07.2017 „ Feed compound for laying hen’s nutrition”. Authors: Criste Rodica Diana, Olteanu Margareta, Vasilachi Andreea, Cornescu Maria Gabriela, Panaite Tatiana Dumitra, Ropota Mariana, Maros Iulia, Untea Arabela Elena, Dragomir Catalin, Bercaru Anca Mariana.
Award	<p>Award „Prof. dr. Emil Honoriu Rosu”, section "Fundamental sciences in animal husbandry" for paper „<i>Amino acid apparent digestibility assessment from laying hens diets supplemented with oil industry byproducts</i>”, authors: Iulia Varzaru, Tatiana Dumitra Panaite, Arabela Elena Untea, Gabriela Maria Cornescu, Mariana Ropota, Ilie Van, given at the symposium “MODERN LIVESTOCK - EUROPEAN STRATEGIES, OPPORTUNITIES AND PERFORMANCE” October 23-25 2014 , organized by USAMV Iasi (oral presentation).</p>
Main results	<ul style="list-style-type: none"> • 30 papers published in international and national journals, of which 12 articles in ISI journals in the field of animal nutrition, quality of food of animal origin. • 2 books as co-author. • 9 patent applications as co-author. • involvement in national and international projects • reviewer for journals in the field: International Food Research Journal, Advancement in Medicinal Plant Research (AMPR).

Selection of published ISI articles:

- **Varzaru, I.,** Untea, A. E., Panaite, T., & Olteanu, M., **2020**, Effect of dietary phytochemicals from tomato peels and rosehip meal on the lipid peroxidation of eggs from laying hens. *Archives of Animal Nutrition*, 1-13.
- **Varzaru, I.,** Untea, A. E., & Saracila, M., **2020**, In Vitro Antioxidant Properties of Berry Leaves and Their Inhibitory Effect on Lipid Peroxidation of Thigh Meat from Broiler Chickens. *European Journal of Lipid Science and Technology*, 122(4), 1900384.
- **Varzaru I.,** Panaite T., Cornescu G., Olteanu M., **2019**, Apparent faecal digestibility of essential amino acids from Ω 3 PUFA diets for laying hens, *Brazilian Journal of Poultry Science*, vol 21(3), 1-8.
- **Varzaru I,** Untea A. E., Van I, **2015**, Determination of bioactive compounds with benefic potential on health in several medicinal plants, *Romanian Biotechnological Letters*, vol. 20 (5), 10773-10783.
- **Varzaru I,** Untea A. E., Martura T., Olteanu M., Panaite T. D., Schitea M., si Van I., **2013**, Development and validation of an RP-HPLC method for methionine, cystine and lysine separation and determination in corn samples, *Rev Chim. (Bucuresti)*, vol. 64 (7), 673-679.
- Untea, A. E., **Varzaru, I.,** Panaite, T. D., Gavris, T., Lupu, A., & Ropota, M., **2020**, The Effects of Dietary Inclusion of Bilberry and Walnut Leaves in Laying Hens' Diets on the Antioxidant Properties of Eggs. *Animals*, 10(2), 191.
- Mihaela Saracila, Tatiana D. Panaite, Cristina Tabuc, Cristina Soica, Arabela Untea, **Iulia Varzaru,** Aneta Wojdyło, Rodica D. Criste, **2020**, Maintaining intestinal microflora balance in heat-stressed broilers using dietary creeping wood sorrel (*Oxalis corniculata*) powder and chromium (chromium picolinate), *Spanish Journal of Agricultural Research*, vol 18, no 3, DOI: 10.5424/sjar/2020183-16146.
- Untea, A.E., Panaite, T.D., Dragomir, C., Ropota, M., Olteanu, M. and **Varzaru, I., 2019**, Effect of dietary chromium supplementation on meat nutritional quality and antioxidant status from broilers fed with Camelina-meal-supplemented diets. *Animal*, pp.1-9.
- Hăbeanu, M., Lefter, N.A., Gheorghe, A., Untea, A., Ropotă, M., Grigore, D.M., **Varzaru, I.** and Toma, S.M., **2019**, Evaluation of Performance, Nitrogen Metabolism and Tissue Composition in Barrows Fed an n-3 PUFA-Rich Diet. *Animals*, 9(5), p.234.

Personal skills and competences				
Mother tongue(s)	Romanian			
Foreign languages				
Self-assessment	Understanding	Speaking	Writing	
English	advanced	good	good	
French	advanced	good	good	
Other competences	<ul style="list-style-type: none"> • employment of chromatographic software • equipments from the chemistry laboratory • StatView, Origin, Windows, MS Office. 			