Personal information

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Date and place of birth: January the 25th 1977, Galati

Present academic position: Associate Professor, "Dunărea de Jos" University of Galati, Faculty of

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Education

2000-2005: PhD, "Dunărea de Jos" University of Galati

1995-2000: BS in Applied Biotechnology, Faculty of Food Science and Engineering, "Dunarea de

Jos" University of Galati

1991-1995: Baccalaureate, Tudor Vladimirescu High School, Galati

Professional experience

since 2012: Associate Professor, "Dunarea de Jos" University of Galati

2007-2012: Lecturer, "Dunarea de Jos" University of Galati

2005-2007: Teaching Assistant, "Dunarea de Jos" University of Galati

Research interests

Assessment the process-structure-function relationship of some biologically active compounds. Intrisic indicators to quantitatively evaluate the impact of physical preservation/processing tehniques in terms of food safety and functionality. Valorisation of highly nutritional and functional by-products from dairy industry.

Selected publications

Dumitrașcu, L., **Stănciuc, N.,** Bahrim, G.E., Aprodu, I., Insights into the binding of ferulic acid to the thermally treated xanthine oxidase. *Luminescence: The Journal of Biological and Chemical Luminescence, accepted for publication.*

Simion-Ciuciu, A.M., Aprodu, I., Alexe, P., **Stănciuc, N.***. Thermally driven interactions between β-lactoglobulin and retinol acetate investigated by fluorescence spectroscopy and molecular modeling methods, *Dairy Science and Technology, in press*, DOI: 10.1007/s13594-015-0277-7.

Turturică, M., **Stănciuc, N.,** Bahrim, G., Râpeanu, G. **2016**. Effect of thermal treatment on phenolic compounds from plum (prunus domestica) extracts – A kinetic study. *Journal of Food Engineering*, 171, 200-207.

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- Probing thermal stability of the β -lactoglobulin-oleic acid complex by fluorescence spectroscopy and molecular modeling. *Journal of Molecular Structure*, 1095:26-33.
- Simion-Ciuciu, A.M., Aprodu, I., Dumitrașcu, L., Bahrim, G.E., Alexe, P., **Stănciuc, N.* 2015.** Exploring the heat-induced structural changes of β-lactoglobulin-linoleic acid complex by fluorescence spectroscopy and molecular modeling techniques. *Journal of Food Science and Technology*, 52:8095-8103.
- Stănciuc N., Aprodu, A., Ioniță, E., Bahrim' G., Râpeanu, G. **2015**. Exploring the structure-function relationship of peroxidase from *Amoracia rusticana* through investigation of pH- and heat induced conformational changes. *Spectrochimica Acta Part A: Molecular and Biomolecular spectroscopy* 147:43-50,
- Dumitrascu, L., **Stănciuc**, **N.***, Aprodu, I., Ciuciu, A-M., Alexe, P., Bahrim, G. **2015**. Monitoring the heat-induced structural changes of alkaline phosphatase by molecular modeling, fluorescence spectroscopy and inactivation kinetics investigations, *Journal of Food Science and Technology*, 52: 6290-6300.
- Nistor O-V., **Stănciuc N.***, Andronoiu D-G., Mocanu M-G., Botez, E. **2015.** Ohmic treatment on apples purees (Golden Delicious variety) in relation to some quality aspects. *Food Science and Biotechnology*, 24, 51-59.
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- Aprodu I., **Stănciuc, N.**, Dumitrascu, L., Rapeanu, G., Stanciu S., **2014**. Investigations towards understanding the thermal denaturation of lactoperoxidase. *International Dairy Journal*, 38(1), 47-54.
- Nistor O-V., **Stănciuc N.**, Aprodu I., Botez E. **2014**. New insights into heat induced structural changes of pectin methylesterase on fluorescence spectroscopy and molecular modeling basis. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*. 128, 15-21.
- Ioniță E., **Stănciuc N.**, Aprodu I., Râpeanu G., Bahrim G. **2014**. pH-induced structural changes of tyrosinase from Agaricus bisporus using fluorescence and in silico methods. *Journal of the Science of Food and Agriculture*, 94(11), 2338-44.
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- Dumitrașcu L., **Stănciuc N.**, Stanciu S. **2013**. The effect of heat treatment on γ -glutamyl transferase activity in non-bovine and bovine milk A comparative kinetic and thermodynamic investigation. *LWT Food Science and Technology* 5, 325–330.
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- **Stănciuc N.,** Râpeanu G., Stanciu, S., **2010**. Quantitative evaluation on Maillard reactions in model systems: a kinetic study, *Romanian Biotechnological Letters*, 15(3), 5329-5339.
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- Ionita, E., Rapeanu, G., **Stănciuc, N.,** Dalmadi, I, Aprodu, I, Bahrim, G., **2015**. Thermal and high pressure stability of peroxidase extracted from plums. Conference European Biotechnology Congress Location:Bucharest, ROMANIA Date:MAY 07-09, 2015, Journal of Biotechnology Pages:S65-S65.
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Ursache, F.M., **Stănciuc**, **N.**, Botez, E., Nistor, O.V. **2015**. Evaluation of anthocyanins thermal degradation in Prunus spinosa on fluorescence spectroscopy basis, Conference European Biotechnology Congress Location:Bucharest, ROMANIA Date:MAY 07-09, 2015, Journal of Biotechnology, Volume: 208, Supplement:S, Pages:S8-S8., Pages S70-S70.

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Selected research grants

Functional composites based on whey protein and vegetable extracts for food applications, PNII-RU-TE-2014-4-0115, Project manager

Analytical systems for the traceability of Romanian milk and dairy products in order to align to the European food safety requirements, PN II-PCE-IDEI, 517/2009, Project manager.