

# CURRICULUM VITAE

Name and surname: **IULIANA APRODU**

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## EDUCATION

2012 - *Postdoctoral associate* at “Dunarea de Jos“ University of Galati, Romania POSDRU/89/1.5/S/52432 project, *Organizing the national interest postdoctoral school of applied biotechnologies with impact on Romanian bioeconomy*, a project co-financed by the European Social Fund through the Sectoral Operational Programme Human Resources Development 2007–2013

2005-2008 - *PhD* in Bioengineering/Biotechnology, Department of Bioengineering, Politecnico di Milano, Italy

2002-2004 - *MS* in Food Control and Expertise, Faculty of Food Science and Engineering, “Dunarea de Jos “University of Galati, Romania

1997-2002 - *BS* in Food Biotechnology, Faculty of Food Science and Engineering, “Dunarea de Jos” University of Galati, Romania

## PROFESSIONAL EXPERIENCE

2013, January-July - *Fulbright Postdoctoral Associate* - Visiting Scholar, Department of Food Science, College of Agriculture and Life Sciences, Cornell University, Ithaca, New York, U.S.A

Since 2012 - *Associate Professor* at Faculty of Food Science and Engineering, „Dunarea de Jos” University of Galati

2008-2012 – *Lecturer* at Faculty of Food Science and Engineering, “Dunarea de Jos“ University of Galati, Romania

2005-2008 - *Researcher* at Department of Bioengineering, Politecnico di Milano, Italy

2002-2005 - *Teaching assistant* at Faculty of Food Science and Engineering, “Dunarea de Jos” University of Galati, Romania

## RESEARCH INTERESTS

Increasing quality of proteins and sustainability of their processing; Intermolecular interactions in food systems; Development of new functional foods; Combining experimental and molecular modelling approach for investigating proteins’ structure-function relationships

## TRAINING

2008 - *Research fellow* (Biotracer, FP6 project) in *Molecular biology* field at Institute for Milk Hygiene and Milk Technology, University of Veterinary Medicine, Vienna, Austria and Applied Microbiology, Lund University, Sweden

2007 (August – November) - *Research fellow* (Early Stage Research Training) – *Modelling of Data*. Department of Physics, Danish Technical University, Copenhagen, Denmark

2003-2004 - ERASMUS/SOCRATES program; *research fellow* at Department of Chemistry, University of Camerino, Italy.

#### **EXPERIENCE IN PROJECTS MANAGEMENT**

2015 – 2017 – PNII-RU-TE-2014-4-0618/01.10.2015 – *A bottom-up approach on the effect of food processing on the allergenic potential of food proteins*

2015-2016 – Inter-institutional cooperation projects – EEA grants Programme; Project F-SEE 3/03.08.2015; Project title: *3D Modelling Techniques for Biomedical Engineering*

2013 - Fulbright Senior postdoctoral grant - *Structural and functional investigations of non-traditional, emerging food proteins* – Cornell University, Ithaca, NY, U.S.A.

2012-2015 - PN-II-PT-PCCA-2011-3.1-1538 - *Developing new graphene-polymer composites biomaterials for scaffold fabrication with applicability in bone repair by coupling multiscale molecular modelling and experiments* (POLYGRAPH)

2005-2008 – Marie Curie grant at Department of Bioengineering, Politecnico di Milano, Italy - Early Stage Research Training within FP6 cod MEST-CT-2004-504465; Project title: *Analysis of the motor proteins by molecular modeling*

2003-2005 - Grant CNCSIS 137/2003-2005 type: Bd - *Obtaining new healthy dietary complexes*

#### **NATIONAL RESEARCH GRANTS – MEMBER (Selective)**

2017-2019 - PN-III-P2-2.1-PED-2016-0155. Project title: *Development of new functional foods based on germinated pulses*

2015-2017 - PN-II-RU-TE-2014-4-0115. Project title: *Functional composites based on whey protein and vegetable extracts for food applications*

2009-2011 - PN II-PCE-IDEI, 52-132/2008. Project title: *Strategies to reduce the mycotoxins contamination in order to obtain bakery products rich in fibers*

2004-2006 - Grant CNCSIS type A Contract 446/2004. Project title: *Monitoring residual nitrates and nitrites in different meat products during manufacture and storage*

2004-2006 - CNCSIS type A 441/2004. Project title: *Research concerning new dietary protein sources*

2003-2005 - PED 3-PP8- 2/2003. Project title: *Researches concerning obtaining and testing new food integrators based on organics ingredients, specially designed for sustaining intense sport efforts.*

#### **INTERNATIONAL RESEARCH GRANTS – MEMBER**

2011-2013 – FOODSEG – *Safe food for Europe – Coordination of research activities and Dissemination of research results of EC funded research on food safety*, FP7-KBBE-2010-4

2008-2011 - FP6-2006-FOOD-036272 *Improved bio-traceability of unintended micro-organisms and their substances in food and feed chains* (BIOTRACER)

2005-2008 – FP6–500311 NMP4-CT-2004-516989 STREP - *Active Biomics- Active Biomimetic Systems*

#### **Additional information**

Books and book chapters – 12

Articles published in journals indexed in Web of Science – 180

Researcher ID B-3535-2011

Brainmap: <https://www.brainmap.ro/iuliana-aprodu>