

# CURRICULUM VITAE



## Mihaela HĂBEANU

### PERSONAL & CONTACT DATA

Date place of birth: octomber 27, 1967 Iedera, Romania

Nationality: Romanian

Family: Not married

Address: I.N.C.D.B.N.A. (IBNA-Balotesti), Calea Bucuresti nr. 1, Balotesti, Ilfov, cod 077015, Romania

phone: 0040-728380172 (GSM), 0040-21-3512084 (office, 7.30–15.30 GMT+2)

e-mail: mihaela.habeanu@ibna.ro

### STUDIES:

**1990-1995:** Faculty of Animal Science, University of Agronomical Sciences and Veterinary Medicine - Bucharest, Romania

**2000-2005:** PhD in Animal Science, University of Agronomical Sciences and Veterinary Medicine - Bucharest, Romania

*Thesis title:* Research on improving the bioavailability of nutrients in compound feed with different structures for young pigs feeding

### MAIN SPECIALISATIONS:

# 1996-1997. MASTER - Studii aprofundate pentru nutriția și alimentația animalelor domestice.

# **2007-2009:** Post-doctoral specialisation at I.N.R.A., France (URH Clermont Ferrand - Theix) on lipid metabolism (coordinator Dr. Dominique Bauchart)

# **2010-2011 (12 months):** Post-doctoral specialisation at INCE Romania – Postdoctoral School for livestock biodiversity and food biotechnology and bio-economy based necessary to ecosanogenesis.

# # **2011 (1 month):** Joint research stage at I.N.R.A., France on lipid metabolism (coordinator Dr. Dominique Bauchart)

# **various other short term specialisations**

### PROFESSION:

**1995 - present:** National Institute for Research & Development in Animal Biology and Nutrition – Balotesti, Romania (*with interruptions in 2007-2009*)

**Evolution:** 1995 –1996: debutant

27.11.1996 - 28.12.1998: research assistant

28.12.1998 - 22.12.2003: scientific researcher

22.12.2003 - 26.07.2010: senior researcher 3<sup>rd</sup> degree

26.07.2010 – 01.01.2016: senior researcher 2<sup>nd</sup> degree

01.01.2016 – present: senior researcher 1<sup>st</sup> degree

### Experience in research management:

- 2006 – present: project manager
- 2010 - present: Head of Animal Nutrition Laboratory;
- 2014 - present: Coordinator of Biotechnology Laboratory activities

**Subjects:**

- pigs nutrition – lipid metabolism, health
- sow milk quality – correlation with plasmatic biochemical and immunological parameter of piglets
- digestibility
- bio-additive, new products, including enzymatic product

**Scientific activity:** project-oriented work (**5 projects as coordinator/director**, major participation in other 10), experience in international projects (team member of Erasmus programme, FP7 projects), research activity concluded in **40 articles** and communications (first author & co-author), 2 patents and 1 patent application and 4 books (2 as main author)

**Other professional activities:**

- editorial activity (reviewer of Archiva Zootechnica journal – in English, South African Journal of Animal Science);
- member of the Scientific Council of the institute;
- member of the Board of Directors of the institute;
- supervising PhD students & young researchers scientific activity;
- technological transfer.

**FOREIGN LANGUAGES**

English  
French

**RELEVANT PROJECTS:**

- IBNA-VALORIF, 2017-2020. “IBNA: Dezvoltare instituțională către performanță științifică și impact în practica zootehnică” (Director proiect).
- Proiect complex nr. 8 PCCDI /2018. PC 2 : Obținerea de produse de uz furajer pe baza de resurse neconventionale generate de tehnologiile moderne din industria alimentara si biotehnologii (Director proiect –PC 2).
- ADER 6.1.1, 2015- 2018. “Innovative nutritional technologies based on using of the recently ameliorated plants, with implications for the safety and quality of the products” (as project director).
- ADER 721. 2011-2014. “Scientific and technical support addressed to ensure high standards of animal welfare, based on Article 40 of Regulation (EC) no. 1698/2005” (as project director)
- PN 09 – 38 04.01 project, 2009-2011. “Improving the nutritional quality of pig meat using ecologic feedstuffs with beneficial effects on the human health” (as project director)
- PN 16 – 41 01.01 project, 2016-2017. Investigations on the efficient use in breeding sows of the un-conventional vegetal resources and their interrelation with the product's performance” (as project director).
- GALIM PLUS. POC transfer. Dezvoltarea unor solutii de furajare inovative pentru galinacee in vederea obtinerii de alimente accesibile, cu calitati nutritionale imbunatatite. Expert implementare. 2016-2018.
- COST ACTION 16106 Ammonia and Greenhouse Gases Emissions from Animal Production Buildings .2016-2017

- International ERASMUS project, 2014-2016. “LIVENUTRITION-Rational Livestock Nutrition in Rural Areas” (as team member).
- POSCCE - Programul operational sectorial cresterea competitivitatii economice. “Plan de promovare a produselor si serviciilor INCDBNA Balotesti”. Responsabil tehnic. 400000 lei (88 888 euro).
- LIPIVIMUS 2006-2009 - "Impact of lipids on nutritional and sensorial qualities of bovine and porcine meats: effects of husbandry factors and technological processes" (2007-2009 as team member).
- VIASAN 113 project, 2006–2008. “INFOBAP- Photodynamic Inactivation of Gram positive and Gram-negative bacteria infecting open wounds using coherent light radiation” (as project director 2006-2007).
- CEEX 8 project 2005-2008. “Qualitative interactions due to the transformation of the dietary lipids throughout the feed chain feed- animal- human consumer, to determine impact indicators on human health” (as scientific responsible).
- Parteneriate PN2- CARSUIN project. 2007-2009. “National Identification and use of nutritional factors to optimize feeding pigs for meat production” (as team member in 2009).
- FP7 project „SOLID”, 2011-2016: “Sustainable Organic and Low-input Dairying” (as team member)
- FP7 project „FEED-TO-FOOD”, 2008-2012: Reinforcement of FEED-TO-FOOD Research Centre at Institute for Food Technology of the University of Novi Sad (as team member)
- Bilateral Proiect Vietnam (2004-2006) Valorization of novel bioethanol plants' by products for the production of high quality animal feeding. (as team member)
- Bilateral Slovakia (2013-2015) (as team member).
- COF-SOLID, 2011-2016 – co-financing project for FP7 SOLID (as team member)

## **BACKGROUND PUBLICATIONS:**

1. Palade Laurentiu Mihai, Mihaela Habeanu, Daniela Eliza Marin, Veronica Sanda Chedea, Gina Cecilia Pistol, Iulian Alexandru Grosu, Anca Gheorghe, Mariana Ropota and Ionelia Taranu. 2019. *Animals*.
2. Mylène Delosière, Emilie Parafita, Mihaela Habeanu, Dominique Gruffat, Denys Durand. Dietary Plant Extracts Combined with Vitamin E Limit the Discoloration in Stored n-3 PUFA Rich Meat. *Agricultural Sciences*, 2018, 9, 23-36.
3. Mihaela Habeanu, Agnès Thomas, Esperanza Bispo, Mylène Gobert, Dominique Gruffat, Denys Durand, Dominique Bauchart. Extruded linseed and rapeseed both influenced fatty acid composition of total lipids and their polar and neutral fractions in longissimus thoracis and semitendinosus muscles of finishing Normand cows. *Meat Science*. 2014. Vol. 96. pg. 99-106.
4. Mihaela Habeanu, N.A. Lefter, A. Gheorghe, C. Tabuc, A. Untea, I. Surdu, G. Ciurescu, C.G. Balan & C. Dragomir. 2015. Changes in certain serum and faeces parameters in weaned piglets as a response to nutritional stress. *South African Journal of Animal Science*. Vol 45 (2). Pg.164-172.
5. Mihaela Habeanu, Nicoleta. A. Lefter, Mariana Ropota, Veronica S. Chedea, Anca Gheorghe, Smaranda M. Toma, Georgeta Ciurescu, Cătălin Dragomir. 2015. Dried grape pomace influenced fatty acids composition of Longissimus dorsi muscle and plasma polyphenols spectrum in finishing pigs. *Indian Journal of Animal Sciences*. 85 (7):110.
6. Mihaela Hăbeanu, Nicoleta Lefter, Anca Gheorghe, Al. Nagy, Daniela Marin, Mariana Ropotă. Effects of dietary flaxseed oil on the muscle fatty acid composition in

- Mangalitsa pigs in an extensive rearing system. *South African Journal of Animal Science*. 2014. Vol. 44, Issue 3, Pages: 240-244.
7. Ionelia Taranu, Mihail Gras, Gina Cecilia Pistol, Monica Motiu, Daniela E. Marin, Nicoleta Lefter, Mariana Ropota, Mihaela Habeanu.  $\Omega$ -3 PUFA Rich Camelina Oil By-Products Improve the Systemic Metabolism and Spleen Cell Functions in Fattening Pigs. *PlosOne*. 2014. Vol. 9. Issue 10.
  8. Ionelia Taranu, Tien-Thanh Nguyen, Kim-Dang Pham, Mihail A. Gras, Gina C. Pistol, Daniela E. Marin, Catalin Rotar, Mihaela Habeanu, Phu-Ha Ho, Thanh-Mai Le, Thi Thu-Hang Bui, Dinh-Vuong Mai, Son Chu-Ky. Rice and Cassava Distillers Dried Grains in Vietnam: Nutritional Values and Effects of Their Dietary Inclusion on Blood Chemical Parameters and Immune Responses of Growing Pigs. *Waste and Biomass Valorization*.
  9. Mihaela Hăbeanu, Veronica Hebean, Ionelia Taranu, Mariana Ropota, Nicoleta Lefter, Daniela Marin. Dietary ecologic camelina oil – a beneficial source of n-3 PUFA in muscle tissue and health status in finishing pig. *Romanian Biotechnological Letters*. Vol. 16, No. 5, 2011.
  10. Mylene Gobert, Emilie Parafita, Mihaela Habeanu, Dominique Gruffat, Dominique Bauchart, Denys Durand, 2009. Plant extracts combined with vitamin E in PUFA-rich diets of cull cows protect processed beef against colour deterioration *Meat Science*, Vol 85. /4 pg 676-683.
  11. Ciurescu, M. Ropota, I. Toncea, and M. Habeanu/ 2016/. *Camelia (Camelina sativa L. Crantz Variety) Oil and Seeds as n-3 Fatty Acids Rich Products in Broiler Diets and Its Effects on Performance, Meat Fatty Acid Composition, Immune Tissue Weights, and Plasma Metabolic Profile/*. *J. Agr. Sci. Tech/* Vol. 18: 315-32.
  12. Taranu Ionelia, Mihaela Hăbeanu, Gras M.A, Pistol GC, Lefter A.N, Palade L.M, Ropota M., Chedea S.V, Marin D. Assesment of the effect of grape seed cake inclusion in the diet of healthy fattening –finishing pigs. *Journal of Animal Physiology and Animal Nutrition*. 2018:102 e 30-42.
  13. Andreea Vasilachi, Georgeta Ciurescu, Mihaela Hăbeanu. Milk yield, physico-chemical parameters and fatty acid content from dairy cows fed two types of non-genetically modified soybean cakes. *The Indian Journal of Animal Sciences*, 88(5): 558-561, ISSN: 0367-8318.
  14. Bauchart, Esperanza Bispo Villar, Agnes Thomas, B. Lyan, Mihaela Habeanu, Dominique Gruffat, D. Durand. 2010. Linseed and rapeseed supplements diversely altered trans 18:1 isomers in total lipids of *Longissimus thoracis* muscle of finishing Normand cows. *Archiva Zootechnica*. Vol. 13 no. 1 pg. 5-12.
  15. Dominique BAUCHART, Mylene GOBERT, Mihaela HABEANU, Emilie PARAFITA, Dominique GRUFFAT, Denys DURAND. Influence des acides gras polyinsaturés n-3 et des antioxydants alimentaires sur les acides gras de la viande et la lipoperoxydation chez le bovin en finition. *Oléagineux Corps Gras Lipides*. 2010, vol. 17. nr. 1. pg. 30-37. *Nutrition Sante*.
  16. Hăbeanu Mihaela, Hebean Veronica<sup>1</sup>, Lefter Nicoleta Aurelia, Ropotă Mariana, Panait Al. M. Effect of dietary n-3 polyunsaturated fatty acids on *Longissimus dorsi* and *Semitendinosus* muscle in pigs. *Lucrari Stiintifice, Serie Zootehnie*, vol. 53. pag. 844 - 849. 2010.
  17. Mihaela Habeanu, Veronica Hebean, Ionelia Taranu, Daniela Marin, Mariana Ropota, Viorica Tamas “Effects of dietary Camelina oil on Large White pigs meat Quality” . 2009. *Archiva Zootechnica* vol. 12. nr. 2. 31-46.
  18. Hăbeanu Mihaela, Hebean Veronica, Lefter Nicoleta Aurelia, Ropotă Mariana, Panait Al. M. 2010. Effect of dietary n-3 polyunsaturated fatty acids on *Longissimus dorsi* and *Semitendinosus* muscle in pigs. *Lucrări Științifice - vol. 53, Seria Zootehnie*. 347-352. **PREMIUL SECTIUNII**.
  19. Hebean Veronica, Mihaela Habeanu, Ionelia Taranu, Daniela Marin, Mariana Ropota, Viorica Tamas. 2008. Feeding solutions to improve pig meat quality.

Simpozionul științific International, Oportunitati si perspective in productia animala. Lucrari Stiintifice Seria Zootehnie, Iasi. vol 51, PREMIUL SECTIUNII

20. Mihaela Hăbeanu, Veronica Hebean, Carmen Ciurescu, Cornelia Pencea „Studies on the characteristics and quality of lipids in monogastric animals with impact on human health”.2006. Lucrări științifice – Universitatea de Științe Agricole și Medicină Veterinară Iași. 2006.Vol 49. 332-343.

#### **PATENTS**

21. Patent no. A. 2011 00550, ‘Compound feed for pigs nutrition’. Hăbeanu Mihaela, Veronica Hebean, Nicoleta Lefter.

22. Patent no.. A. 2012 00207, ” Nutritional supplement for pigs nutrition’. Mihaela Hăbeanu, Nicoleta Lefter, Taranu Ionelia.

#### **BOOKS**

1. Hăbeanu Mihaela, Veronica Hebean, H. Grosu, Nicoleta Lefter, Mariana Ropota, C. Sonea. 2011 Lipidele, intre controverse si certitudini in nutritia porcilor. Editura Ars Academica, ISBN:978-606-8017-63-1, 2011. Nr. Pagini: 127.

2. Mihaela Hăbeanu, Veronica Hebean, I. Stoica. 2009. Enzime furajere, elemente de impact in nutritia suinelor. Editura Ars Academica Bucuresti. Nr. Pagini: 130 pag.

3. Rational Livestock Nutrition In Rural Areas. Chapter 3. Animal Feeding Systems in Europe. Catalin Dragomir, Mihaela Hăbeanu, Anca Gheorghe.

4. Veronica Hebean, Mihaela Hăbeanu, Nicoleta Lefter, Dumitru Dragatoiu, Monica Marin. Nutritia si alimentatia suinelor destinate productiei de carne. Editura Ars Academica. 2010.

5. Vasile Bacilă, Liliana Blajovici, Cristinel Gigi Sonea, Fanica Doroftei, Mihaela Hăbeanu «Dictionnaire française – roumain de viande et produits de viande » Editura Printech 2006

