

CURRICULUM VITAE



Catalin DRAGOMIR

PERSONAL & CONTACT DATA

Date place of birth: August 02, 1969 Bucharest, Romania

Nationality: Romanian

Family: married, two children

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STUDIES:

1988-1993: Faculty of Animal Science, University of Agronomical Sciences and Veterinary Medicine - Bucharest, Romania

Notes: - highest ranked in the series of graduates July 1993;

- 1987-1988 = undergoing the compulsory military service

1996-2000: PhD in Animal Science, University of Agronomical Sciences and Veterinary Medicine - Bucharest, Romania

Thesis title: Protein value of bulk forages as expressed by IDP (intestinally digestible protein) value.

MAIN TRAININGS:

1997 (3 months): Specialization (3 months) at I.N.R.A., France (S.R.N.H. Clermont Ferrand - Theix) on nutritive value, protein metabolism, ingestibility (coordinator Dr. Jean-Pierre Dulphy)

2000-2001 (12 months): Post-doctoral specialization at Animal Production Department of Ghent University, Belgium, on manipulation of ruminal fermentations; role of plant secondary metabolites in reducing ruminal methanogenesis; efficiency of nitrogen utilization by ruminants (coordinators Prof. Daniel Demeyer; dr. Veerle Fievez).

2002-2003 (12 months): Post-doctoral specialization at I.N.R.A., France (U.R.H. Clermont Ferrand - Theix) on integrative research (databases, meta-analysis), in the frame of an interdepartmental project involving three INRA laboratories (URH-Theix, INA-Paris Grignon, UMRPL-Rennes), focused on ruminal acidosis (coordinators Dr. Brigitte Michalet-Doreau, Prof. Daniel Sauvant).

PROFESSION:

1993 - present: National Research&Development Institute for Animal Biology and Nutrition – Balotesti, Romania (with interruptions in the above-mentioned periods)

Evolution: September 1993 – August 1994: debutant

August 1994 – November 1996: research assistant
November 1996 – October 2000: scientific researcher
October 2000 – December 2003: senior researcher 3rd degree
December 2003 – present: **senior researcher 2nd degree**

Experience in research management:

- 1998 – present: project manager
- 2004 - 2006: science secretary of the institute;
- 2006 - present: **scientific director** of the institute

Subjects: the rumen (both protein and energy metabolism), quality of feeds and of animal products, refining feeding systems, nutritive value, saponins, methane, feed additives, etc.

Scientific activity: project-oriented work (**8 projects as coordinator**, major participation in other 20), experience in international projects (including FP6, FP7 – as partner responsible), research activity concluded in **70 articles** and communications (first author & co-author) and two books (co-author);

Other professional activities:

- member in the Board of Directors and Administration Council of the institute;
- president of the Scientific Council of the institute;
- coordination of *animal science research reform subcomponent* of the MAKIS project (Modernizing Agricultural Knowledge & Information System), initiated by the Romanian Ministry of Agriculture & Rural Development and the Academy of Agricultural and Forestry Sciences, together with the World Bank and, in which the reform of the Romanian agricultural research institutes is a key objective
- administrating institute's website;
- editorial activity (editor-in-chief of Archiva Zootechnica journal – in English, undergoing evaluation by ISI);
- coordinating institute's trainings and courses;
- supervising PhD students & young researchers scientific activity;
- coordinating technological transfer of the institute
- consultancy for the World Bank and Ministry of Agriculture
- organizer symposia, seminars, round tables, workshops, Info days, etc.

FOREIGN LANGUAGES

English (very well); French (very well); German (basics)

OTHERS:

- excellent knowledge of computer programs specific to research activity (& easiness of acquiring new software),
- good knowledge of statistics and laboratory techniques,
- experience in acquiring / adapting new scientific methods;
- experience in running complex research programs (e.g. groups of inter-connected projects, consortia & teams having a variety of professional backgrounds) ,
- organizational skills, effectiveness, communicability, adaptability
- autonomy & ability to work under pressure and against time
- experience of working within international teams & ability to use online tools for team working

RELEVANT PROJECTS:

- **national project “AZORUM** – Increase nitrogen retention in ruminant animals by optimising the ruminal microbial protein synthesis” (as consortium coordinator)
- **national project “PUFARUM** - Feeding domestic oleaginous forages to cows as a means to increase milk polyunsaturated fatty acids” (as consortium coordinator)
- **national Agral project** “Manipulation of the ruminal processes to increase ruminant performance by reducing dietary protein degradation” (as project director)
- **national CEEEX III project “ERA-ANIM** - Promote the integration of the Romanian Zootechnical research within the European Research Area by participation in FP7 projects” (as project director)
- **FP7 project „FEED-TO-FOOD”**: Reinforcement of FEED-TO-FOOD Research Centre at Institute for Food Technology of the University of Novi Sad (as partner responsible)
- **FP6 project „FEED-SEG”**: „Healthy Feed for Safety – Dissemination of research results of EC funded research on feed quality” (as partner responsible)
- **NUCLEUS PROGRAM, 2009–2011** “Development of research in animal biology and nutrition in the view of increasing competitiveness of Romanian animal production sector” (as program coordinator, 10 component projects)
- **NUCLEUS PROGRAM, 2007–2008** “Development of research in animal biology and nutrition in the view of integration into the European Research Area and of providing support for Romanian animal production sector” (as program coordinator, 9 component projects)

BACKGROUND PUBLICATIONS:

- **C. Dragomir**, D. Sauvant, J.-L. Peyraud, S. Giger-Reverdin, B. Michalet-Doreau. 2008 - Meta-analysis of 0 to 8 h post-prandial evolution of ruminal pH. *Animal journal*, Volume 2, Issue 10, pp 1437-1448
- **C. Dragomir**, Smaranda Pop, Mircea Nicolae, Alexandrina Dihoru, Ioan Stoica. 2007 - Effect of the stage of maturity and mode of conservation of Sudangrass on the efficiency of microbial proteosynthesis in rumen. *Archiva Zootechnica*, vol X, 126-133
- **C. Dragomir**, Smaranda Pop, Alexandrina Dihoru, I. Voicu, Rodica Diana Criste, M. Nicolae. 2007 - The effect of alfalfa silage preservation on its ruminal degradability. *Bulgarian Journal of Animal Science*, vol. XLIV, 1: 16-20
- **C. Dragomir**, Smaranda Pop. 2007 - Effect of the feed compound structure on the intensity of ruminal acidosis in sheep. *Proceedings of the 1st International Congress "Food technology, quality and safety" Novi Sad, Serbia / 13-15 Noiembrie 2007*
- Smaranda Pop, **C. Dragomir**, Rodica Diana Criste, M. Nicolae, Mihaela Vlassa, Georgiana Stoica. 2006 - Variability of the ruminal degradability of protein meals used within Romanian market: its influence on their nutritive value. *Archiva Zootechnica*, IX, 57-64
- **Dragomir C.** 2004. The opportunity of improving the current Romanian feeding system for ruminants by including a new parameter – aaID. . *Scientific Works “Animal Production & Biotechnologies”*, vol. XXXVII, □□mişoara, pag. 67-71
- **C. Dragomir**, Smaranda Pop, Margareta Olteanu, Alexandrina Dihoru, I. Stoica. 2003. Parameters of ruminal degradability of ruminal alfalfa, barley and Sudan grass hays. *Scientific Works “Animal Production & Biotechnologies”*, vol. XXXVI, □□mişoara, pag. 66-72
- Fievez, V., Mbanzamihigo, L., **Dragomir, C.** & Demeyer, D. 2001. Effect of forage clover content of forage on rumen methanogenesis and rumen microbial N utilization in sheep. *Grassland Science in Europe*, Vol. VI, 39-41
- **Dragomir, C.**, Fievez, V., Mbanzamihigo, L., Carlier, L., & Demeyer, D. 2001. The effect of saponins on in vitro methane production and fermentation pattern of rumen contents. *Proceedings 26e Studiedag Nederlandstalige Voedingsonderzoekers, Melle*, 50-51
- Dulphy J.P., Demarquilly C., Baumont R., L'Hotelier L., **Dragomir C.** 1999. A study of modes of preparation of fresh and conserved forage samples for in situ measurement of dry matter and nitrogen degradation in the rumen. *Annales de Zootechnie*, 48, 4, 275-288