



Personal information

First name(s) / Surname(s) **Catalin DRAGOMIR**
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 Skype ID: catalin_dragomir
 Nationality Romanian
 Date of birth August 2, 1969

Education and training

Period	1988-1993
Title of qualification awarded	animal science engineer
Principal subjects/occupational skills covered	technologies (of the main farm animals' species), nutrition, feedstuffs, biochemistry, physiology, genetics-breeding-reproduction, management, economics, statistics, etc.
Name and type of organisation providing education and training	Faculty of Animal Science, University of Agronomical Sciences and Veterinary Medicine - Bucharest, Romania
Level in national or international classification	higher education

Period	1996-2000
Title of qualification awarded	PhD in Animal Science
Principal subjects/occupational skills covered	physiology of nutrition, biochemistry, experimental techniques, etc.
Name and type of organisation providing education and training	University of Agronomical Sciences and Veterinary Medicine - Bucharest, Romania
Level in national or international classification	post-university

Work experience

1993 - present	National Institute for Research & Development in Animal Biology and Nutrition, Romania (in 2000-2001 & 2002-2003: post-doc specialisations in Belgium and France)
Occupation or position held	research assistant (1993-1994), project manager (1994-2004), scientific secretary of the institute (2004-2005), scientific director of the institute (2006-present)
Main activities and responsibilities	R&D, research management, technological transfer, policy support, etc.
Name and address of employer	Calea Bucuresti 1, Balotesti, 077015, Ilfov, ROMANIA
Type of business or sector	research-development

Personal skills & competences

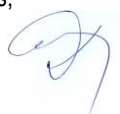
Mother tongue(s) **Romanian**
 Other language(s) **English, French, German**

Self-assessment
European level ()*

English
French
German

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2
C2	C2	C2	C2	C2
A1	A2	A1	A1	A1

(*) Common European Framework of Reference for Languages

Social skills and competences	<ul style="list-style-type: none"> - extensive work experience within international & interdisciplinary teams; - communication and moderating skills; good use of brainstorming techniques (trainings InWent, Germany, 2005 & 2006), extensive experience in building & informal leading of work teams; - ability to use on-line communication instruments / to communicate research results to general public; - high adaptability to various professional activities / environments; openness; self-confidence;
Organisational skills and competences	<ul style="list-style-type: none"> - 25+ years' experience in organizing/supervising work teams, various professional events, etc. - efficiency, easiness of communication - 25+ experience in project management / research management – e.g. coordinator of 5 complex research programs (55+ component projects), coordinator of 10+ national research projects of various types, partner/country responsible in 10+ international projects (Horizon Europe, Horizon 2020, FP7, FP6, Erasmus, LIFE, etc.)
Technical skills and competences	<ul style="list-style-type: none"> - good knowledge of statistics and laboratory techniques - experience in acquiring / adapting new methods & procedures in research-development - experience in conducting / elaborating studies, analyses, strategies, etc.
Computer skills and competences	<ul style="list-style-type: none"> - excellent knowledge of general & specialized software (Office, statistics, communication, etc.) - easy / operatively learning of new software
Artistic skills and competences	<ul style="list-style-type: none"> - creativeness, easiness in generating ideas
Other skills and competences	<ul style="list-style-type: none"> - high autonomy & capacity to efficiently work in stress conditions and against time; problem-solving capacity; both analytical & synthetic thinking;
Driving licence	Yes (B category)
Additional information	<ul style="list-style-type: none"> - president of the Scientific Council and vice-president of the Administration Council of the institute - coordination of the technological transfer of the institute (results of ~ 30-40 projects / year); - coordination of the trainings and courses organized by the institute (for the farmers, advisors, etc.); - supervising the scientific activity of early career researchers (PhD, post-doc); - administration of the institutes' websites (until 2020); - editor-in-chief of Archiva Zootechnica journal; - member of the editorial board in other journals - Feed to Food Research, Biotechnology in Animal Husbandry, Revista de Zootehnie, etc.; - evaluator activity – of national / international projects; of R&D units (departments, institutes, etc.); - reviewer activity - Journal of Dairy Science, Animal Production Science, Feed to Food Research, AgroFOOD industry hi-tech, etc.; - consultancy for the World Bank, Ministry of Agriculture, various international bodies (EAAP, etc.); - subcontractor / country expert within various European R&D project consortia, for various tasks; - coordinator (2003-2010) of the work package “Reform of animal science research in Romania” of the MAKIS project (Modernizing Knowledge and Information Systems in Agriculture) implemented by the Romanian Ministry of Agriculture, under the supervision of the World Bank; - suppleant representative of Romania in SCAR (Standing Committee for Agricultural Research); - member of the national Consultative Council for Research-Development and Innovation (2017-2021) - Romanian representative in Animal Task Force (until 2020)
Annexes	<p>A1. list of specialisations; A2. coordinated projects; A3. selection of publications;</p> <p style="text-align: right;"><i>August, 2023</i> </p>

Annex 1.

MAIN SPECIALISATIONS CATALIN DRAGOMIR

1997 (3 months): PhD specialisation 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 specialisation 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 specialisation 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*).

2011 (1 month): Joint research stage at Animal Production Research Centre, Nitra, Slovakia, on rumen metabolism, quality of the rumen by-pass (mobile bags method) and quality of by-products (*coordinator Dr. Maria Chrenkova*)

various other short-term specialisations (IT, statistics, research management, communication, moderating, trainer in animal production area, etc.)

LIST OF RESEARCH GRANTS / PROJECTS

(as project coordinator / project partner' responsible / country responsible)

CATALIN DRAGOMIR

INTERNATIONAL PROJECTS

- **HORIZON EUROPE project „CLIMATE SMART ADVISORS”, 2023-2030:** Connecting and mobilizing the EU agricultural advisory community to support the transition to Climate Smart Farming (as country responsible)
- **HORIZON EUROPE project „CLIMATE FARM DEMO”, 2022-2029:** A european-wide network of pilot farmers implementing and demonstrating climate smart solutions for a carbon neutral Europe (as country responsible)
- **H2020 project “ClieNFarms”, 2020-2025:** Climate Neutral Farms (as partner responsible)
- **LIFE project “GREEN SHEEP”, 2020-2025:** Demonstration and dissemination actions to reduce the carbon footprint in sheep farming (as partner responsible)
- **FP7 project „SOLID”, 2011-2016:** Sustainable Organic and Low-input Dairying” (as partner / country responsible)
- **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 partner responsible)
- **FP6 project „FEED-SEG”, 2007-2009:** „Healthy Feed for Safety – Dissemination of research results of EC funded research on feed quality” (as partner responsible)
- **COST project “LivAGE”, 2016-2020** (as partner responsible)
- **COST project “DairyCare”, 2014-2016** (as partner responsible)
- **Danube countries project “Danulnteg”, 2014-2015** (as partner responsible)
- **Erasmus+ Project “LIVE NUTRITION”, 2014-2016** (as partner responsible)
- **bilateral projects with Slovakia, PROC-FEED (2013-2014)**
- **bilateral project with Slovenia (2004-2006)**
- **subcontractor in FP6 RTD2FARM (2012) and FP7 REDNEX (2013)**

NATIONAL PROJECTS

- **NUCLEUS PROGRAM, 2023-2026** “Deepening of the (national) research in animal nutrition and biology, a strategic field for increasing the competitiveness and resilience of the livestock sector and its better adaptation to societal needs” (as program coordinator, 4 component projects)
- **P.O.R. 150650 LACTOMEGA3, 2022-2023** „Development of dairy products labelled „CLA” or „Omega 3” through the valorisation of the local resources, in order to increase the competitiveness of the beneficiary company at national & international level (as provider of scientific solutions and technical assistance toward the beneficiary SME, the coordinator of the project)
- **NUCLEUS PROGRAM, 2019-2022** “Re-adjustment of the national research on biology and animal nutrition to the national and European strategies and to the needs of the livestock sector” (as program coordinator, 5 component projects)
- **PN19 09 01.03 project, 2019-2022** “Re-evaluation of some ruminants’ feedstuffs in the frame of the global climate and socio-economic changes” (as project director)
- **NUCLEUS PROGRAM, 2018** “Consolidation of animal biology and nutrition research, in order to increase the national & international impact” (as program coordinator, 5 component projects)
- **national project PNCDI III - PED “SARA_demo”, 2017-2018** - Valorisation of the subacute ruminal acidosis (SARA) preliminary results into rumen-friendly feeding products (as consortium coordinator)
- **national project PNCDI III - PTE “CAPRIPLUS”, 2016-2018** – Goat milk and dairy products enriched in polyunsaturated fatty acids, using local raw materials
- **NUCLEUS PROGRAM, 2016–2017** “Development of animal biology and nutrition research, targeting increased impact at national and international level” (as program coordinator, 20 component projects)
- **PN16 41.05.01 project, 2016-2017** “Estimate the potential of the rumen metabolism manipulation through valorisation of feedstuffs particularities” (as project director)
- **national project “COF-SOLID”, 2011-2015** – co-financing project for FP7 SOLID (as project director)
- **NUCLEUS PROGRAM, 2009–2015** “Development of research in animal biology and nutrition in the view of increasing competitiveness of Romanian animal production sector” (as program coordinator, 16 component projects)
- **PN 09 – 38 03.01 project, 2009-2015** – Determining the effects of postprandial pH dynamics on the efficiency of energy and protein rumen metabolism and implications on the efficiency of diets in ruminants (as project director)

- **national project “AZORUM”, 2007-2010** – Increase nitrogen retention in ruminant animals by optimising the ruminal microbial protein synthesis” (as consortium coordinator)
- **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, 11 component projects)
- **PN07-43.02.01 project, 2007-2008** “Feeding strategies and diets for reducing financial losses associated with SARA in high producing ruminants” (as project director)
- **national project “PUFARUM”, 2005-2008** - Feeding domestic oleaginous forages to cows as a means to increase milk polyunsaturated fatty acids” (as consortium coordinator)
- **national CEEEX III project “ERA-ANIM”, 2006-2007** - Promote the integration of the Romanian animal production research within the European Research Area by participation in FP7 projects” (as project director)
- **national AGRAL project no. 286, 2004-2006** “Manipulation of the ruminal processes to increase ruminant performance by reducing dietary protein degradation” (as project director)
- **national RELANSIN 1241 project**, „New receipts of protein-mineral-vitamin concentrates (CPVM) in cattle feeding, upon nature and quality of the bulk forages”, 1999-2000 (as project director)
- Horizon 2000 **Research Theme A.3.1.** „Studies on the alternation of the ad libitum / restricted feeding period on the intake, daily weight gain and feeding efficiency in young cattle”, 1999 (as project director. *Note: in national Horizon 2000 program, funds were allocated - non-competitive system).*

LIST OF PUBLICATIONS

1. Articles in ISI-quoted journals (selection)

- Alexandra-Gabriela Oancea, **Catalin Dragomir**, Arabela Untea, Mihaela Saracila , Raluca Turcu , Ana Cismileanu, Ioana Boldea and Gabriel Lucian Radu (2023). The effects of brewer's spent yeast (bsy) inclusion in dairy sheep's diets on ruminal fermentation and milk quality parameters. *Agriculture* 2023, 13, 1605. <https://doi.org/10.3390/agriculture13081605>
- Vlassa M, Filip M, Taranu I, Marin D, Untea AE, Ropota M., **Dragomir C**, Saracila M (2022). The Yeast Fermentation Effect on Content of Bioactive, Nutritional and Anti-Nutritional Factors in Rapeseed Meal. *Foods* 2022, 11, 2972. doi.org/10.3390/foods11192972
- Oancea AG, Untea AE, **Dragomir C**, Radu GL (2022). Determination of Optimum TBARS Conditions for Evaluation of Cow and Sheep Milk Oxidative Stability. *Applied Sciences*, 2022, 12, 6508
- Mihaela Vlassa, Miuța Filip, **Catalin Dragomir** (2021). Simultaneous quantifications of four purine derivatives biomarkers in cow milk by SPE HPLC-DAD. *Czech Journal of Food Sciences*, 39, 2021 (2): 122–130 (IF = 1,279)
- Boldea I.M., **C. Dragomir**, M.A. Gras & M. Ropota (2021). Inclusion of rapeseed and pumpkin seed cakes in diets for Murciano-Granadina goats alters the fatty acid profile of milk. *South African Journal of Animal Science* 2021, 51 (No. 2), 262-270 (IF = 1,055)
- Oancea A.-G., **Dragomir C.**, Pistol G.-C., Cismileanu A., Toma S.-M., Radu G. L. (2021). The effect of dietary rapeseed on milk protein fractions in dairy cows. *International Food Research Journal*, 28(6): 1310 - 1317 (IF = 1,014)
- Pistol GC, Marin DE, **Dragomir C**, Taranu I. (2019). Synbiotic combination of prebiotic grape pomace extract and probiotic *Lactobacillus* sp. reduced important intestinal inflammatory markers and in-depth signalling mediators in lipopolysaccharide-treated Caco-2 cells. *Br J Nutr.* 121 (3) 291-305
- Untea A., Panaite T., **Dragomir C.**, Ropota M., Olteanu M., Varzaru I (2019). Effect of dietary chromium supplementation on meat nutritional quality and antioxidant status of broilers fed with n-3 PUFA enriched diets. *Animal*, p. 2939-2947.
- Veronica Sanda Chedea, Rodica Stefania Pelmus, Cristina Lazar, Gina Cecilia Pistol, Loredana Georgeta Calin, Smaranda Mariana Toma, **Catalin Dragomir** and Ionelia Taranu (2016). Effects of a diet containing dried grape pomace on blood metabolites and milk composition of dairy cows. *J Sci Food Agric*, DOI 10.1002/jsfa.8068 (IF =2.076)
- **Catalin Dragomir**, Marketta Rinne, David Yáñez-Ruiz (2015). Novel co-products from the corn milling and their use in ruminants' nutrition. *Turk J Vet Anim Sci*, 39: 245-253, DOI: 10.3906/vet-1412-27 (IF = 0.242)
- Untea A., R.D. Criste, I. Taranu, W.-B. Souffrant, P. Janczyk, L. Vladescu, **C. Dragomir** (2013) - Availability of microelements in recently weaned piglets fed diet supplemented with inulin. *Czech J. Anim. Sci.*, 58, 2013 (8): 369–374 (IF = 0,871)
- Daniela E. Marin, Ionelia Taranu, Radu Burlacu, Gina Manda, Monica Motiu, Ionela Neagoe, **C. Dragomir**, Mariana Stancu, Loredana Calin (2011). Effects of zearalenone and its derivatives on porcine immune response. *Toxicology in Vitro* 25 (2011) 1981–1988, DOI: 10.1016/j.tiv.2011.06.022 (IF = 2,775)
- **C. Dragomir**, D. Sauvart, J.-L. Peyraud, S. Giger-Reverdin, B. Michalet-Doreau (2008). Meta-analysis of 0 to 8 h post-prandial evolution of ruminal pH. *Animal*, Volume 2, Issue 10, pp 1437-1448, DOI: 10.1017/S1751731108002656 (IF = 1,458).
- 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, DOI: 10.1051/animres:19990404 (IF = 0,325)

2. Articles in database-indexed journals (selection) - CABI, EBSCO, etc.

- Alexandra - Gabriela Oancea*, **Cătălin Dragomir**, Ana Cișmileanu (2022) - The effects of minor oilseeds cakes on rumen metabolism and productive performances of ruminants. *Archiva Zootechnica* 25:2, 130-157, 2022 DOI: 10.2478/azibna-2022-0020
- Toma Smaranda, **C. Dragomir**, Ana Cismileanu, Catalina Voaides, Ancuta Nedelcu (2017) - Effects of feeding camelina and linseed cake on the rumen metabolism of wethers. *Archiva Zootechnica*, 20(1), 115-119

- Dušica Čolović, Radmilo Čolović, Nedeljka Spasevski, Bojana Ikonić, **Catalin Dragomir**, Vojislav Banjac, Olivera Đuragić (2015) - Influence of extrusion process on free fatty acid content in linseed-sunflower meal co-extrudate. Archiva Zootechnica Vol. 18, No. 2, 5-14
- Marlene K. Kirchner, Conrad Ferris, Leticia Abecia, David R. Yanez-Ruiz, Smaranda Pop, Ilie Voicu, **Catalin Dragomir**, Christoph Winckler (2014) - Welfare state of dairy cows in three European low-input and organic systems, Organic Agriculture, Volume 4, Issue 4, 309-311, DOI 10.1007/s13165-014-0074-2
- Marketta Rinne & **Catalin Dragomir** & Kaisa Kuoppala & Jo Smith & David Yáñez-Ruiz (2014) - Novel feeds for organic dairy chains. Organic Agriculture volume 4, issue 4, 275-284, DOI 10.1007/s13165-014-0081-3
- Rinne M., **Dragomir C.**, Kuoppala K., Marley C., Smith. J. & Yáñez -Ruiz, D. (2012) - Novel and underutilized feed resources - potential for use in organic and low input dairy production. Agriculture and Forestry Research, Special issue 362. (Braunschweig, 2012) ISSN 0376-0723, p. 417-420.
- **Dragomir C.**, Smaranda Toma, Jovanka Levic (2011) - The effect of byproducts from the corn grain processing on the postprandial dynamics of rumen pH. Biotechnology in Animal Husbandry 27 (3), p 571-581
- R. Colovic, Nevena Mišljenovic, Dušica Ivanov, Gordana Koprivica, **C. Dragomir**, Lj. Levic, Jovanka Levic, Slavica Sredanovic (2011) - Wheat milling fractions as a carrier of sugar beet molasses - physical properties of pellets. Archiva Zootehnica Vol. 14:2, 17-27
- **C. Dragomir**, Mihaela Vlassa, Andreea Vasilachi (2010) - The effect of dietary protein source on the level of rumen microbial protein synthesis in growing rams. Archiva Zootechnica 13:4, 28-36
- **Dragomir**, Smaranda Pop, N. Florescu, Mihaela Vlassa (2008) - The effect of replacing dietary barley with dry corn gluten feed on the dynamics of ruminal pH. Archiva Zootechnica, 11(1), 16-23
- **Dragomir**, Smaranda Pop (2007) - Effect of the compound feed structure on the intensity of ruminal acidosis in sheep. Proceedings of the XII Feed Technology International Symposium, pg. 75 - 82
- **C. Dragomir**, M. Nicolae, I. Stoica, Smaranda Pop, C. Popescu (2004) - The effect of dietary wheat grains on young calves' performances Archiva Zootechnica, vol. VII, 55-62
- **C. Dragomir**, M. Nicolae, I. Stoica, G. Petrescu, C. Popescu (2001) - Optimizing the structure of calf diets focusing on IDP quality. Archiva Zotechnica, vol. VI, 95-100
- 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, pag. 39-41
- Fievez V., **Dragomir C.**, Mbanzamihigo L. & Demeyer D. (2001) - Clover saponins as methane inhibitors and their effect on rumen N utilisation efficiency as studied in vitro and in vivo. Mededelingen van de Faculteit Landbouwkundige en Toegepaste Biologische Wetenschappen, 66 (4), 299-304
- Dihoru A., Cardasol V., Spiridon G., **Dragomir C.** (1998) - Conversion of degraded pastures into pastures edified by Festuca rubra and Agrostis capilaris. Archiva Zootechnica, vol. V, 69-80

3. Books / chapters in books

- Rodica Diana Criste, Veronica Hebean, Doina Valentina Grossu, Margareta Olteanu, **Cătălin Dragomir**, Anca Bercaru. Analytical methods specific to feedstuff evaluation". Vol. I. Ed. Paideia, București, 2003
- M. Nicolae, **C. Dragomir**, Smaranda Pop. "Pathways for modifying the lipids content of milk" Ed. Ars Academica, 2009
- Stoica, **C. Dragomir**, Liliana Stoica 2001 "Comparative rumen degradability of Sudan grass at various vegetation stages and its influence on nutritive value". **Chapter in:** Cercetarea Științifică și Agricultura Durabilă, Ed. Agris, București, pag. 275-281
- **Cătălin DRAGOMIR**, Rodica Diana CRISTE, Mihaela Cecilia VLASSA, Iulia VARZARU Methods and techniques for assessing the protein value of feedstuffs for ruminants. Ed. Marlink, 2015
- Barbara Krol, Kemal Celik, Ergun Demir, Macek Dimacz, **C. Dragomir**, M. Hăbeanu, A Vasile, M. Cannalichio, J. Palotas. Rational Nutrition of Livestock in Rural Areas – A Handbook. ISBN 978-83-7717-246-9, 2016

4. Studies / technical articles / strategies / analyses

~ 30-35 studies / technical articles published / issued over time in **non-indexed** vectors (journals, e-media, etc.)
(Note: technical articles are transposed into a form that can be easy to understand by the average users from the animal production sector, e.g. farmers without specialty studies)