



## Curriculum vitae Europass



Name surname **Cornescu Gabriela Maria**  
E-mails gabriela\_cornescu@yahoo.com  
Nationality (es) Romanian

### Studies

2012-2015 – DOCTORAL SCHOOL: ENGINEERING AND MANAGEMENT PLANT AND ANIMAL RESOURCES, ANIMAL SCIENCE FIELD, prof. coordinator Ph.D. Eng. HORIA GROSU UNIVERSITY OF AGRONOMIC SCIENCES AND VETERINARY MEDICINE OF BUCHAREST, FACULTY OF ANIMAL SCIENCE  
2001 - 2006 - UNIVERSITY OF AGRONOMIC SCIENCES AND VETERINARY MEDICINE OF BUCHAREST, FACULTY OF ANIMAL SCIENCE  
1993 - 1997 - National College ION LUCA CARAGIALE

### Professional experience

Period Present - 2010  
Occupation or position held Scientific researcher degree III

#### The main activities and responsibilities

Responsible for ongoing experiments. Preparing experimental protocols, monitoring health and animals safety during the experiments;  
Ensuring proper accommodation of animals according to internal regulations  
Ensuring the animals are used for research within an ethical framework.  
Surveillance of animal daily care, proper feeding, productive performances registration;  
Introduction and statistical processing of experimental data;  
Collaborator on various research topics in the laboratory  
Collaborator in the elaboration of the documentation regarding the patent applications as the result of the research projects  
Author and coauthor of scientific articles  
National and international presentation of scientific papers/experimental results

#### Name and address of employer

THE NATIONAL RESEARCH AND DEVELOPMENT INSTITUTE FOR ANIMAL BIOLOGY AND NUTRITION BALOTESTI (INCDBNA- BALOTESTI),  
Calea București, no 1, Balotesti, Ilfov

Type of business or sector	Research activity within the Laboratory of Chemistry and Physiology of Animal Nutrition - accredited RENAR according to Accreditation Certificate no. <u>LI 674/2008</u>
Period	2009 - 2010
Occupation or position held	Research assistant – Animal Science Engineer
The main activities and responsibilities	Responsible for the selection and genetics of <i>Bombyx Mori</i> silkworm lines (genetic stock 85 silkworm breeds); lines selection and improvement of genetic material; Application of experimental techniques according to technical standards in sericulture Study of the main quantitative parameters and phenotypic traits of the breed: prolificacy, hatching percentage, larval period, larval weight Introduction and statistical processing of experimental data; Collaborator on various research topics in the laboratory Collaborator and author in the elaboration of scientific papers Presentation of scientific papers at national and international symposia
Name and address of employer	SC SERICAROM SA Soseaua Bucuresti - Ploiești no.69, Sector 1
Period	2005 - 2009
Occupation or position held	Authorized representative agent of TEXEL SHEEP SOCIETY
The main activities and responsibilities	Promoting British livestock genetic in Romania (advertising material publication, participation to national profile fairs: Indagra, Agraria , farms visits) Presentation of breed characteristics, costs for importing genetic material ) Facilitating the contact between British/Romanian farmers  Taking over and sending orders from local farmers to TEXEL SHEEP SOCIETY
Name and address of employer	BRITISH TEXEL SHEEP SOCIETY NATIONAL AGRICULTURE CENTER, National Agricultural Center Stoneleigh Park, Kenilworth Warwickshire CV8 2LG, United Kingdom, contact person: Caroline Hadley
Period	2000-2005
Occupation or position held	Commercial sales agent Angst Ro SA
Main activities and responsibilities	Coordination of the supply products to ensure sufficient and diversified stocks Preparation / Taking orders from suppliers Make receipt notes for invoices from suppliers based on documents Weekly and monthly reports
Name and address of employer	SC ANGST RO SA Buftea no. 298 Bucuresti-Targoviste, Ilfov
Native language	Romanian language

Foreign language (s)

Self-assessment

European level (\*)

English language

French language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Oral speech		written expression	
B2	independent user	B2	independent user	B2	independent user	B1	independent user	B1	independent user
B2	independent user	B2	independent user	B1	independent user	B1	independent user	B1	independent user

Levels: A1 / A2: Basic user - B1 / B2: Independent user - C1 / C2: Experienced user Common European Framework of Reference for Languages

Social skills and competences

Receptivity, team spirit, communication skills

Organizational skills and competences

Coordination of experimental activities and capitalization of results specific to research field research

Technical skills and competences

**Diploma in computer science course - Computer training center - MCPLS**

Microsoft - Institute for Computer Training Microsoft Certified Partner for Learning Solutions t CTEC, data processing and processing course

Human resources management program, SC CEPECOM SA, *Bucharest, ROMANIA*  
E series certificate, 11/26/2010

Computer skills and knowledge

Windows .XP, Vista: Word, Power Point, Internet browsing.

- Statistical program: Stat View

Driver's license

Category B

Intellectual property, patents, technologies and approved products (varieties, hybrids, breeds)

PATENT NO. 12935 / 28.07.2017 FEED COMPOUND FOR LAYING HENS

NUTRITION

Authors: Criste Rodica Diana, Olteanu Margareta, Vasilachi Andreea, Cornescu Maria Gabriela, Panaite Tatiana Dumitra, Ropota Mariana, Maros Iulia, Untea Arabela Elena, Dragomir Catalin, Berbaru Anca Mariana.

Articles in ISI Thomson Reuters rated journals

E. Untea, I. Varzaru, TD Panaite, M. Habeanu, M. Ropota, M. Olteanu & GM Cornescu (2017) Effects of chromium supplementation on growth, nutrient digestibility and meat quality of growing pigs / *South African Journal of Animal Science* 2017, 47 (No. 3) URL: <http://www.sasas.co.za> ISSN 0375-1589 (print), ISSN 2221-4062 (online) Publisher: South African Society for Animal Science <http://dx.doi.org/10.4314/sajas.v47i3.10> Accepted 16 March 2017; First published online April 10, 2017

Tatiana Panaite, Criste Rodica Diana, Mariana Ropota, Cornescu Gabriela Maria, Daniela Alexandrescu, Criste Virgil, Vasile Gabriela, Margareta Olteanu, Arabela Untea, (2016); Effect of layer diets enriched in omega-3 fatty acids supplemented with Cu on the feeding value of the eggs, *Romanian Biotechnological Letters*; Vol. 21, No. 4: 11754-11762

Olteanu Margareta, Criste Rodica Diana, Cornescu Gabriela Maria, Ropota Mariana, Panaite Tatiana, Varzaru Iulia (2015); Effect of the dietary mulberry (*Morus Alba*) leaves given to broiler chickens; *Indian Journal of Animal Sciences*, 85 (3): 291-295, pp. 71-75, Impact factor ISI / 2015 = 0.132

Articles in indexed volumes ISI proceedings

Olteanu M., Bunduc V., Panaite C., Cornescu M., Panaite TD, Ropota M. and Mitoi M. (2015); Study on the efficiency of grape seed cakes used as antioxidants, compared to vitamin E, in layer diets enriched in polyunsaturated fatty acids; *World's Poultry Science Journal, Proceedings, Volume 71 - Supplement 1*, 116, Impact Factor ISI / 2015 = 1,089

Gabriela Maria Cornescu, Rodica Diana Criste, Horia Grosu, Tatiana Dumitra Panaite, Arabela Untea, Liliana Cruceru, (2015); Effect of Cr Pic supplementation in layers' diet enriched with Omega-3 fatty acids, on productive performances and egg quality traits, *Journal of Biotechnology* 208, S5 – S120 Factor 2.871

Gabriela Maria Cornescu, Tatiana Dumitra Panaite, Arabela Elena Untea, Anca Berbaru, Horia Grosu, (2015). Effects of organometallic chelates and inulin in diets for laying hens on Mn and Fe absorption coefficients and their content in egg and tissue. *Food and Feed Research*, 42 (1), 67-72.

Journal articles and volumes of scientific events indexed in other international databases (BDI)

Panaite, Cristinel; Dragotoiu, Dumitru; Criste, Rodica Diana; Panaite, Tatiana Dumitra; Cornescu, Maria Gabriela, (2017). Effect of the High Fiber (8%) Layer Diets on Digestive Tract Integrity. *Scientific Papers: Animal Science & Biotechnologies / Scientific Papers: Animal Husbandry and Biotechnologies*. 2017, Vol 50 Issue 1, pp. 29-36.

TD Panaite, RD Criste, I. Varzaru, M. Cornescu, M. Olteanu, (2016). Effect of using raw materials rich in xanthophylls in layer diets on egg quality; *Scientific Papers-Animal Science Series: Scientific Papers - Animal Husbandry Series*, vol.65 (21): 25-3

AE Untea, I. Varzaru, M. Ropota, TD Panaite, GM Cornescu, (2016). The effects of organic chromium on adipose anatomical parts, using pig as experimental model; *Problems of Nutrition-Voprosy Pitaniia*, 85 (2): 51-55

Tatiana Dumitra Panaite, V Bunduc, Rodica Diana Criste, Maria Gabriela Cornescu. (2015) Influence of botanic mixes high in carotenoids (lutein and zeaxanthin) used in layer diets on the quality parameters of the eggs. *Zootechnics Archive*. 18 (1): 75-84

Tatiana Dumitra Panaite, Iulia Varzaru, Rodica Diana Criste, Camelia Papuc, Gabriela Maria Cornescu, Mariana Ropota, Corina Predescu, (2015). Effect of the dietary fenugreek (*Trigonella foenum-graecum*), used as antioxidant in layer diets, on the nutritional quality of the eggs. *Archive Zootechnics* 18: 2, 45-52

V. Bunduc, Tatiana Dumitra Panaite, Iulia Varzaru, Maria Gabriela Cornescu, CV Panaite, M. Pop, (2015). Evolution of lutein and zeaxanthin concentration in the yolk of layers fed lutein-enriched diets, *Archiva Zootechnica* 18: 1, 65-74, 2015

Iulia Varzaru, Tatiana Panaite, Arabela Untea, Gabriela Cornescu, Mariana Ropota, Ilie Van, (2015); Amino acid apparent digestibility assessment from laying hens diets supplemented with oil industry by-products; *University of Agricultural Sciences and Veterinary Medicine Iasi*, vol 63, pp. 18-23

Panaite Tatiana, Cornescu Maria Gabriela, Criste Rodica, (2014); Effect of fenugreek supplements to high fatty acids diets on layer performance; *Scientific papers. Animal Husbandry Series*, "ION IONESCU DE LA BRAD" Publishing House, Iasi, vol. 62, pp. 158-157

Gabriela Maria Cornescu, Tatiana Dumitra Panaite, Arabela Untea, Rodica Diana Criste, (2014). Study concerning the effects of using organic trace mineral supplements (Mn and Zn) on egg quality, *Archiva Zootechnica* 17: 2, 77-83

Iulia Varzaru, Tatiana Panaite, Gabriela Cornescu, Margareta Olteanu, I. Van, (2014), Protein quality assessment from unconventional feed plants for feeding laying hens, *Archiva Zootechnica* 17: 2, 71-76.

Arabela Elena Untea, Tatiana Dumitra Panaite, Gabriela Maria Cornescu, (2014) Study on the relationship between dietary Cr (III) and the metabolism of other trace minerals (Cu, Fe, Mn, Zn) in growing pigs. *Archiva Zootechnica* 17: 1, 21-28, 2014 21

Cornescu Gabriela Maria, Grosu H., Untea Arabela Elena, Panaite Tatiana Dumitra, Berbaru Anca; (2014); Absorption coefficients assessment of Cu and Zn organic trace elements and their deposition in egg yolk; *Scientific papers. Zootechnics Series, "ION IONESCU DE LA BRAD" Publishing House, Iasi, vol. 62, pp.153-157*

Iulia Varzaru, Tatiana Panaite, Arabela Untea, Gabriela Cornescu, Mariana Ropota, Ilie Van, (2014); Amino acid digestibility assessment from laying hens diets supplemented with oil industry by-products; *Scientific papers. Animal Husbandry Series, "ION IONESCU DE LA BRAD" Publishing House, Iasi, vol. 63, pp. 18-23*

Gabriela M. Cornescu, Horia Grosu, Arabela E. Untea, Tatiana D. Panaite, Anca Berbaru, (2014); Effects of manganese and iron organic sources in layer diets on nutritional quality of eggs; *Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Animal Science and Biotechnologies, Vol. 71, No 2 (2014), pp. 287-288*

Iulia Varzaru, Tatiana Panaite, Arabela Untea, Gabriela Maria Cornescu, Ilie Van, (2014); Effects of oilseed supplementation on amino acid digestibility in laying hen diets; *Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Animal Science and Biotechnologies, Vol. 71, No 2 (2014), pp. 317-318*

Gabriela Maria Cornescu, Rodica Diana Criste, Arabela Elena Untea, Tatiana Dumitra Panaite, Margareta Olteanu (2013) "Supplementation of manganese and zinc in laying hens diet improves eggshell quality" - *Scientific papers. Zootechnics Series, Ed. "ION IONESCU DE LA BRAD", Iasi, vol.59 (18), pp. 86-91,*

Criste, RD, Panaite, T., Berbaru, A., Varzaru, I., Ropota, M., Cornescu, GM, (2013); Study on the use of fenugreek in laying hens diets on egg quality; [http://www.wpsa.com/proceedings/ESPN\\_2013/assets/pdf/0256.pdf](http://www.wpsa.com/proceedings/ESPN_2013/assets/pdf/0256.pdf); 19 th European Symposium on Poultry Nutrition, Potsdam, Germany;

Gabriela Maria Cornescu, Rodica Diana Criste, Arabela Elena Untea, Tatiana Dumitra Panaite, Margareta Olteanu (2013) "Supplementation of manganese and zinc in laying hens diet improves eggshell quality" - *Scientific papers. Zootechnics Series, Ed. "ION IONESCU DE LA BRAD", Iasi, vol.59 (18), pp. 86-91.*

Criste, RD, Panaite, T., Berbaru, A., Varzaru, I., Ropota, M., Cornescu, GM, (2013); Study on the use of fenugreek in laying hens diets on egg quality; [http://www.wpsa.com/proceedings/ESPN\\_2013/assets/pdf/0256.pdf](http://www.wpsa.com/proceedings/ESPN_2013/assets/pdf/0256.pdf); 19 th European Symposium on Poultry Nutrition, Potsdam, Germany;

Andreea Vasilachi, Rodica D. Criste, Maria G. Cornescu, Margareta Olteanu, Tatiana D. Panaite, Slavica A. Sredanović, Nedeljka Spasevski (2012) - Effect of the dietary camelina meal on layer performance, 6th Central European Congress on Food, CEFood2012 , pp. 1558-1563.

Arabela Elena Untea, Rodica Diana Criste, Margareta Olteanu, Gabriela Maria Cornescu, Radu Corneliu Duca (2011) Determination of the coefficients of boron absorption from broiler diets supplemented with boric acid, 3rd International Symposium on Trace Elements & Health May 24-27, 2011 - Murcia, Spain

Criste Rodica Diana, Untea Arabela, Cornescu Gabriela Maria, Berbaru Anca, Iulia Maros (2011) Utilization of Zn chelate with amino acids in layer diets to reduce Zn excretion in droppings 3rd International Symposium on Trace Elements & Health May 24-27, 2011 - Murcia, Spain

Rodica Criste, Margareta Olteanu, Maria Cornescu, Mariana Ropota, Iulia Maros (2011) The effect of mulberry leaves presence in broiler's food and on chicken breast quality meat, 4th International Congress on Food and Nutrition, Istanbul, Turkey, 12-14th October 2011

Arabela Elena Untea, Radu Corneliu Duca, Margareta Olteanu, Gabriela Maria Cornescu, Rodica Diana Criste, Nedeljka Spasevski (2010) Research on the use of boron supplements in the diets for broilers

Untea A., Criste R., Cornescu G., Radutoiu D., (2010) Interlaboratory study on Mn determination in 3 species of spontaneous flora used as alternative mineral sources for weaning piglets (10-30 kg) 2nd Workshop Feed-to- Food FP7 REGPOT-3. XIV International Symposium feed technology, Proceedings. Novi Sad, Serbia, 19-21 October, 2010, 97-104, 2010.

#### Oral presentations at international and national symposiums

Margareta Olteanu \*, Tatiana Dumitra Panaite, Iulia Varzaru, Mariana Ropota, Arabela Elena Untea, Gabriela Maria Cornescu, Camelia Papuc, Corina Predescu (2014) - ,, Characterization of winery by-products used as feed additives in layer diets " - II International Congress Food Technology, Quality and Safety and XVI International Symposium Feed Technology, 28-30 October 2014. Novi Sad, SERBIA

Cornescu GM, H. Grosu, AE Untea, TD Panaite, RD Criste, C. Soica; (2015), Study of the efficiency of the use of organic sources of microelements in the feeding of laying hens, in ensuring an optimal ratio between egg production / nutritional quality / environmental protection / egg price; *International Symposium "Modern Animal Husbandry - Food Safety and Sustainable Development", October 22 - 24 , USAMV Iasi, oral presentation of*