

CURRICULUM VITAE

Arabela Elena UNTEA

PERSONAL DATA

Date and place of birth: **12.09.1979, Bucharest**

Nationality: Romanian

Marital status: married

Address: Sos. Giurgiului nr. 104-116, Bl.A, Sc. 1, Ap. 28, sect.4, Bucharest

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STUDIES:

1998-2002: Faculty of chemistry, University of Bucharest

2002-2004: Master: Faculty of chemistry, University of Bucharest: "**Optimisation of the chemical-analytical control and quality insurance**"

2006 - present: Doctoral student in analytical chemistry, University of Bucharest

Thesis subject: **Chemical-analytical study of the correlation between the trace elements content of the animal organism and their dietary concentration**

PROFESSION:

2004 - present: National Research-Development Institute for Animal Biology and Nutrition (IBNA – Balotesti)

Evolutie: October 2004 – June 2006: research assistant

June 2006 – December 2008: scientific researcher

December 2008 – present: scientific researcher III

Research subjects:

- Optimisation of the analytical methods, development of new techniques for preparation and determination of the trace elements and macro elements in feeds and animal products
- Elaboration and application of models of validation and calculation of the uncertainty of analytical measurements applied in the chemistry laboratory and ensure measurement traceability
- Studies on the methodology of evaluating the bioavailability of the dietary nutrients given to weaned piglets

Scientific activity: 2 projects coordinated as project supervisor; 4 projects coordinated as administrative supervisor; 2 international projects as executive; 16 projects as executive; 1 ISI article / 4 articles published in non-ISI journals; 2 scientific communications in the country and 9 scientific communications abroad

Main articles (max 5) & ad projects (max 5)

Articles and scientific communications:

- Vladescu, L., Badea, I. A., **Patrichi (Untea) , A.**; Simultaneous determination of Vitamin E and Vitamin H1 by first derivative spectrometry in an ointment preparation; Rev. Roumaine Chim., 51 (5), 439-445; 2006. (ISSN 0035-3930)
- **Arabela Untea**, Tatiana Panaite and Rodica Diana Criste, Effect of the dietary calcium fructoborate given to weaned piglets on calcium balance, Arhiva Zootehnica, Ed. Cartea Universitara, Bucuresti, vol 11 (3), 61-68, 2008.
- **Arabela Untea**, Eugenia Mircea, Tatiana Panaite si Rodica Diana Criste, Effect of supplementary Rosa Canina and Phytase to weaned piglets (10-30 kg) on Cu, Mn and Zn absorption, Trace Elements in Food, Roma, Italia, 3-4 April 2009, poster presentation.
- **Arabela Untea**, Rodica Diana Criste, Tatiana Panaite, Anca Bercaru, Research regarding the effect of the dietary alfalfa on Cu, Zn, Mn balance in weaned piglets, XXXVIIIth Annual Meeting European Society for New Methods in Agricultural Research, Krakow, Poland, 27-31 August, 2008, poster presentation.
- **Untea Arabela**, Radu Duca, Comparative study regarding the technique of preparing the biological sample collected during the feeding experiments, 6thEuropean Conference on Computational Chemistry, Tale, Slovakia, Sept 3-7, 2006, poster presentation.

Scientific projects:

- **FP6 – nr. 506114** - Development of natural alternatives to anti-microbials for the control of pig health and promotion of performance; acronym: FEED FOR PIG HEALTH – **Executive**
- **SUPLIBOR 52-048** – Interdisciplinary research on the essentiality and level of boron supplementation in broiler and growing pigs feeding – **Project supervisor**
- **BIOTECH 134 / 2006 – BIOFIB** – Bioavailability of the mineral salts from bakery products enriched in feed fibres - **Project supervisor**
- **FITOMIN 51-025** Reduction of the trace elements level in pig manure by replacing the chemical premixes with phytogetic additives and enzymatic preparations in support of the sustainable agriculture – **Administrative supervisor**
- **CEEX - INFRAS 64** / Development of the capacity and competitiveness of a control laboratory in animal husbandry to ensure the quality checking of the feeds in accordance with EU norms and legislation (Euronutrical) - **Administrative supervisor**

FOREIGN LANGUAGES

English (very well); French (medium).

OTHER COMPETENCIES:

- Windows XP, Word Excel, Origin, Stat View, Power Point
- Use and development of statistical analysis methods required to interpret analytical data obtained with the laboratory techniques using organic samples collected during the trials on animals
- Coordination and execution of various responsibilities within the research projects, both national and international, advanced capacity for team work.