



# ANDRA SABINA NECULAI-VALEANU

Date of birth: 13/11/1985 | Nationality: Romanian | Gender: Female |

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Address: Iasi, Iasi, Romania (Home)

## ABOUT ME

I hold a Doctor of Veterinary Medicine (DVM) degree, which has equipped me with a strong foundation in animal health and welfare. Additionally, I have pursued further education and training in the field of dairy cattle breeding and management. My expertise lies in areas such as reproductive physiology, genetics, nutrition, and disease prevention in dairy cattle. My qualifications, expertise, and responsibilities revolve around conducting research to improve the breeding and management practices of dairy cattle. Through my role, I aim to contribute to the advancement of knowledge in this field and support the sustainable growth of the dairy industry.

## WORK EXPERIENCE

17/02/2022 – CURRENT Iasi, Romania

### SCIENTIFIC DIRECTOR RESEARCH STATION FOR CATTLE BREEDING DANCU IASI

#### 1. Research Design and Implementation:

As the scientific director, I am responsible for designing and implementing research projects aimed at improving the breeding and management practices of dairy cattle. This involves formulating research questions, developing study protocols, and ensuring the ethical treatment of animals involved in the research.

#### 2. Data Collection and Analysis:

I oversee the collection of data related to various aspects of dairy cattle breeding, including reproductive performance, genetic traits, milk production, and health parameters. This involves working closely with a team of researchers and technicians to ensure accurate and reliable data collection. Subsequently, I analyze the collected data using statistical methods to draw meaningful conclusions and make evidence-based recommendations.

#### 3. Collaboration and Networking:

I actively collaborate with other researchers, veterinarians, and industry professionals to exchange knowledge and stay updated on the latest advancements in dairy cattle breeding. This includes attending conferences, workshops, and seminars, as well as publishing research findings in peer-reviewed journals.

#### 4. Advisory Role:

In addition to conducting research, I also provide expert advice and guidance to dairy farmers, veterinarians, and industry stakeholders. This involves assisting with the development of breeding programs, implementing best practices for animal health and welfare, and addressing specific challenges faced by dairy cattle farmers.

14/12/2018 – CURRENT IASI, Romania

### RESEARCHER III RD DEGREE IN ANIMAL HUSBANDRY RESEARCH STATION FOR CATTLE BREEDING DANCU IASI

- Report writing.
- Preparation and elaboration of Research articles
- Data collection and analysis
- Analysis of information from different sources.

- Planning and scheduling project activities
- Designing of experimental protocol

**Business or Sector** Agriculture, forestry and fishing

05/01/2019 – 27/06/2019 IASI

**MANAGER OF QUALITY SYSTEM** SC FERTIGYN SRL

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- elaboration and updating of procedures for assurance of quality
- Evaluation of procedures and medical protocols within the clinic
- Evaluation of the digitalized patient management system

09/01/2016 – 28/01/2017 IASI, Romania

**RESEARCHER IN ANIMAL HUSBANDRY** RESEARCH STATION FOR CATTLE BREEDING DANCU IASI

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- Preparation and elaboration of Research articles
- Data collection and analysis
- Project writing

31/01/2017 – 08/11/2018 IASI

**RESEARCHER IN BIOLOGY** SC FERTIGYN SRL

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- Report writing.
- Data collection and analysis
- Analysis of information from different sources.
- Preparation and elaboration of research articles
- Digitalization of medical files

## ● **EDUCATION AND TRAINING**

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30/09/2010 – 10/03/2015 Iasi, Romania

**PHD IN VETERINARY SCIENCES, VETERINARY OBSTETRICS AND ANDROLOGY** UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE "ION IONESCU DE LA BRAD" IASI

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**Address** Aleea Mihail Sadoveanu no. 8, Iasi, Romania | **Website** [www.uaiasi.ro](http://www.uaiasi.ro)

30/09/2010 – 14/02/2012 Iasi, Romania

**MASTER OF SCIENCE- CONTROL AND SANITARY INSPECTION OF ANIMAL ORIGIN PRODUCTS** UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE "ION IONESCU DE LA BRAD" IASI

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**Address** Mihail Sadoveanu no 8 , Iasi, Romania | **Website** [www.uaiasi.ro](http://www.uaiasi.ro)

30/09/2004 – 30/06/2010 Iasi, Romania

**BARCHELOR DEGREE IN VETERINARY MEDICINE** UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE "ION IONESCU DE LA BRAD" IASI

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**Address** Mihail Sadoveanu no 8, Iasi, Romania

24/03/2018 – 01/06/2018 Bucharest, Romania

**QUALITY MANAGEMENT IN HOSPITALS** NATIONAL SCHOOL OF PUBLIC HEALTH MANAGEMENT AND IMPROVEMENT IN THE HEALTH FIELD BUCHAREST

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**Address** Str. Vaselor no 2, Bucharest, Romania

## ● **LANGUAGE SKILLS**

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Mother tongue(s): **ROMANIAN**



Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C2	C2	C2
<b>FRENCH</b>	B1	B1	A2	A2	A1
<b>PORTUGUESE</b>	B1	B1	A2	A2	A1
<b>SPANISH</b>	A2	A2	A2	A2	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● **DIGITAL SKILLS**

Microsoft Office | Microsoft Word | Microsoft Powerpoint | Outlook | Microsoft Excel | Google Drive | Google Docs | Statistical analysis | Internet user | Gmail | Power Point | Zoom | WhatsApp | Word

## ● **ADDITIONAL INFORMATION**

### **MANAGEMENT AND LEADERSHIP SKILLS**

**Professional skills** Efficient multi-tasking  
Research  
Good at being proactive and efficient in high stress situations  
Motivated  
Presentation and negotiation skills  
Decision-making  
Good listener and communicator  
Written and Verbal skills  
Strategic Planning  
Flexibility  
Detail-Oriented  
Analytical skills  
Research and analytical skills  
Conflict resolution  
Team-work oriented  
Critical thinking  
Reliability  
Excellent writing and verbal communication skills  
Problem-solving  
Innovative  
Excellent organizational planning and solving problems in short time  
Ability to Work Under Pressure

### **NETWORKS AND MEMBERSHIPS**

#### **NANOTECHNOLOGY FEDERATION**

**European Biotechnology Thematic Network Association**

01/09/2019 – CURRENT

**European Federation of Animal Science**

#### **ROMANIAN DURABLE AGRICULTURE ASSOCIATION**

25/10/2019 – CURRENT Iasi, Romania

**Romanian Embryotransfer Association**

### **COMMUNICATION AND INTERPERSONAL SKILLS**

**Interpersonal skills** Friendly  
Cross cultural skills

Integrity  
Leadership  
Empathic listener  
Flexible  
Good Communication  
Resilient  
Active listening  
Responsability  
Curious  
Positive thinking  
Creativity

## ORGANISATIONAL SKILLS

**Organizational planning** Good time management  
Presenting  
Problem-solving  
Innovative  
Excellent organizational planning and solving problems in short time  
Ability to Work Under Pressure  
Team-work oriented  
Critical thinking  
Reliability  
Organizational and planning skills  
Good listener and communicator  
Excellent team player

## PUBLICATIONS

### ARTICLES

1. **Neculai-Valeanu A-S**, Ariton A-M. Udder Health Monitoring for Prevention of Bovine Mastitis and Improvement of Milk Quality. *Bioengineering*. 2022; 9(11):608. <https://doi.org/10.3390/bioengineering9110608>
2. **Neculai-Valeanu AS**, Ariton AM, Mădescu BM, Rîmbu CM, Creangă Ş. Nanomaterials and Essential Oils as Candidates for Developing Novel Treatment Options for Bovine Mastitis. *Animals*. 2021; 11(6): 1625. <https://doi.org/10.3390/ani11061625> IF 2,32
3. **Neculai-Valeanu A-S**, Ariton AM. Game-Changing Approaches in Sperm Sex-Sorting: Microfluidics and Nanotechnology. *Animals*. 2021; 11(4):1182. <https://doi.org/10.3390/ani11041182> IF=2,32
4. **Neculai-Valeanu, AS**; Creanga, S; Ruginosu, E ; Ariton, AM; Doroftei, B. Improving the outcome of in vitro embryo production through microfluidic technology. *ROMANIAN BIOTECHNOLOGICAL LETTERS*. NOV-DEC 2018; Volume: 23 Issue: 6 Pages: 14178-14186; DOI: 10.26327/RBL2018.199; WOS: 000454871500014
5. **Valeanu, S** ; Drugociu, D ; Rosca. Effect of Single layer centrifugation using Bovipure on frozen-thawed bovine sperm during a 6 hours survival test. *ROMANIAN BIOTECHNOLOGICAL LETTERS*; 2015' Volume: 20 Issue: 2 Pages: 10327-10333; WOS:000353965100016
6. **Valeanu, S**; Johannisson, A; Lundeheim, N ; Morrell, JM. Seasonal variation in sperm quality parameters in Swedish red dairy bulls used for artificial insemination. *LIVESTOCK SCIENCE*. 2015; Volume: 173 Pages: 111-118; DOI: 10.1016/j.livsci.2014.12.005; WOS:000350517900015
7. Ariton, Adina-Mirela; Chelmu, Sorin Sergiu; Neculai-Valeanu, Andra-Sabina; Postolache, Alina Narcisa; Ungureanu Elena; Creanga Steofil. Innovative approaches for the analysis and decontamination of mycotoxins from feed and milk. *ROMANIAN BIOTECHNOLOGICAL LETTERS*; JAN-FEB 2020; Volume: 25 Issue: 1 Pages: 1304-1310; DOI: 10.25083/rbl/25.1/1304.1310; WOS:000524936900024
8. Doroftei, B; **Neculai-Valeanu, S**; Simionescu, G ; Grab, D ; Plopa, N; Anton, E ; Maftai, R."A case report of placental mesenchymal dysplasia A rare case of a genetically normal fetus with severe intrauterine growth restriction. *MEDICINE*. Feb 2019; Volume: 98 Issue: 8; Article Number: e14554; DOI: 10.1097/MD.00000000000014554; WOS:000462331100047"
9. Morrell, JM ; **Valeanu, AS** ; Lundeheim, N ; Johannisson, A. Sperm quality in frozen beef and dairy bull semen. *ACTA VETERINARIA SCANDINAVICA*; JUL 2018; Volume: 60; Article Number: 41; DOI: 10.1186/s13028-018-0396-2; WOS:000437483400001
10. Morrell, JM ; Nongbua, T ; **Valeanu, S**; Verde, IL; Lundstedt-Enkel, K; Edman, A ; Johannisson, A. Sperm quality variables as indicators of bull fertility may be breed dependent. *ANIMAL REPRODUCTION SCIENCE*. 2017. Volume: 185 Pages: 42-52; DOI: 10.1016/j.anireprosci.2017.08.001.; WOS:000412613700005



## HONOURS AND AWARDS

05/2023

### **EUROINVENT EXHIBITION 2023 – ROMANIAN INVENTORS FORUM GOLD MEDAL**

Neculai-Văleanu A.S., Ariton A.M., Madescu B.M., Radu C., Polymer-based hydrogel enriched with biogenic silver nanoparticles and essential oils with potential applications in bovine digital dermatitis, Proceedings of The 15 th Edition of EUROINVENT European Exhibition of Creativity and Innovation.

### **SILVER MEDAL**

Neculai-Văleanu A.S., Ariton A.M., Madescu B.M., Porosnicu I., Sanduleanu C. Formulation of a multifunctional nanocomposite cleansing foam with potential application in wound management in livestock, The 15 th Edition of EUROINVENT European Exhibition of Creativity and Innovation.

17/05/2022

**Agro Future Prize 2022 – ROMANIAN INVENTORS FORUM** Gold Medal and Special Prize awarder at the 14th Edition of EUROINVENT

27/05/2021

**AWARDS – EUROINVENT EXHIBITION 2021** GOLD MEDAL for the invention BEET BERRY VEGAN KEKIR - Plant based Kefir fortified with Beetroot and Blueberry powder  
SILVER MEDAL for the invention REVIVE - Functional Kefir with Cocoa and Maca Powder

30/06/2019

**Article award – UEFISCDI** Award PRECISI 2019-303 54 for the article entitle Sperm quality in frozen beef and dairy semen

