



Andra-Cristina BOSTĂNARU

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● WORK EXPERIENCE

30/07/2019 – CURRENT – Iasi, Romania

ASSISTANT PROFESSOR – IASI UNIVERSITY OF LIFE SCIENCES (IULS) - FACULTY OF VETERINARY MEDICINE

disciplines: Clinical Mycology, Food Microbiology, General Microbiology

Iasi, Romania

03/2014 – CURRENT – Iasi, Romania

DVM, PHD – LABORATORY OF ANTIMICROBIAL CHEMOTHERAPY - AFFILIATED TO THE EUCAST LABORATORY NETWORK, IULS

- molecular biology techniques;
- clinical mycology and mycotoxicology;
- food microbiology;
- mycobacteriology;
- assessment of antimicrobial resistance;
- biomedical applications of cold plasma discharges.

Iasi, Romania

● EDUCATION AND TRAINING

01/06/2021 – 31/07/2021 – Uppsalalaan 8, Utrecht, Netherlands

INTERNSHIP – Westerdijk Fungal Biodiversity Institute

Field(s) of study

- Medical Mycology

09/07/2021 – 12/07/2021

EUROPEAN CONGRESS – ECCMID - 31st European Congress of Clinical Microbiology & Infectious Diseases

26/11/2021 – Iasi, Romania

CERTIFICATE OF ATTENDANCE - IASI UNIVERSITY OF LIFE SCIENCES & SORBONNE UNIVERSITY – Scientific Conference of Laboratory Animal Science

13/04/2019 – 16/04/2019 – Amsterdam, Netherlands

CERTIFICATE OF PARTICIPATION – European Congress of Clinical Microbiology and Infectious Diseases

21/03/2019 – 22/03/2019 – Iasi, Romania

CERTIFICATE IN ATOMIC FORCE MICROSCOPY – Advances in Atomic Force Microscopy: Nanomechanical Characterization by using PinPoint™ AFM

Nanomechanical measurement and characterization of bacteria using atomic force microscopy (AFM)

13/09/2018 – 15/09/2018 – Timisoara, Romania

CERTIFICATE OF PARTICIPATION – 90/5000 First Balkan Conference of Medical Mycology and Mycotoxicology - “Balkan Fungus 2018”

- infectious and allergic pathology dependent on fungi;
- laboratory diagnosis and monitoring of invasive mycoses;
- integrated diagnosis of diseases caused by fungi and mycotoxins.

21/04/2018 – 24/04/2018 – Madrid, Spain

CERTIFICATE OF PARTICIPATION – European Society of Clinical Microbiology and Infectious Diseases

European Congress of Clinical Microbiology and Infectious Diseases (ESCMID)

22/04/2017 – 25/04/2017 – Viena, Austria

CERTIFICATE OF PARTICIPATION – European Society of Clinical Microbiology and Infectious Diseases

European Congress of Clinical Microbiology and Infectious Diseases (ESCMID)

08/06/2017 – Iasi, Romania

CERTIFICATE OF PARTICIPATION – Romanian pathology ROADSHOW 2.0

12/09/2016 – 16/09/2016 – Iasi

GRADUATION CERTIFICATE "INITIATION OF ETIOTROPIC THERAPY IN FUNGAL INFECTIONS" – Romanian Society of Medical Mycology and Mycotoxicology (RSMMM)

- standardized methods for assessing antifungal sensitivity (EUCAST and CLSI);
- commercial tests to evaluate the sensitivity to antifungals (Etest, Sensititre, Vitek);
- interpretation of statistical parameters based on the analysis of antifungal sensitivity test results.

Course EMC

26/02/2016 – 27/02/2016 – L'Agence universitaire de la Francophonie et L'Université de Sciences Agricoles et Médecine Vétérin, Romania

TRAINEESHIP CERTIFICATE – Management of writing and online scientific publication

18/04/2016 – 22/04/2016 – Iasi, Romania

GRADUATION CERTIFICATE - "LABORATORY DIAGNOSIS OF INFECTIONS CAUSED BY DERMATOPHYTIC FUNGI" – Romanian Society of Medical Mycology and Mycotoxicology (RSMMM)

- description of the main genera and species of dermatophytes involved in pathology;
- culture environments for the study of dermatophytes;
- techniques for collecting, processing and seeding the samples;
- macro and microscopic examination of dermatophyte cultures;
- classic dermatophyte identification techniques;
- examining some environments for testing the physiological properties and extracting dermatophytic DNA from the nail samples;
- current dermatophyte identification techniques (MALDI-TOF, PCR).

01/10/2010 – 02/12/2014 – Sadoveanu Aleea 6-8, Iasi, Romania

DOCTOR IN MEDICAL SCIENCES – Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine "Ion Io

The main disciplines studied:

- Infectious diseases
- Epidemiology
- Microbiology
- Pathology
- Molecular biology
- Project Management
- Modern research methods

Field(s) of study

- Field of study - Infectious diseases

ISCED 6

2010 – 2013 – Iasi, Romania

MASTER'S DEGREE – "Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine

Title of dissertation thesis - "Investigations on the physico-chemical and microbiological analysis of dried milk products"

Skills:

- Food microbiology;
- Food hygiene;
- Food toxicology;
- Veterinary sanitary control of products of animal origin;
- Food Biosecurity;
- Food quality and certification.

01/02/2012 – 30/09/2012 – Paris, France

INTERNSHIP – Faculty of Medicine Pierre and Marie Curie, CHU Pitié-Salpêtrière

Professional skills acquired:

- mycobacteriology;
- molecular biology techniques;
- structural analysis and molecular modeling;
- *in vitro* experimental chemotherapy.

EQF level 8

01/02/2012 – 30/04/2012 – Paris, France

**INTERNSHIP - FUNCTIONAL EXPLORATION CENTER, N.A.C. - NOUVELLE ANIMALERIE
COMMUNE, C.E.F. - CENTRE D'EXPÉRIMENTATION FONCTIONNELLE**

- *In vivo* experimental chemotherapy (work on the murine model of tuberculosis)

16/05/2011 – 19/05/2011 – Cluj-Napoca, Romania

**CERTIFICATE: MOLECULAR BIOTECHNOLOGIES - MEDICAL APPLICATIONS - "Iuliu Hațieganu"
University of Medicine and Pharmacy**

- techniques of molecular biology

01/02/2011 – 30/11/2011 – Iasi, Romania

INTERNSHIP – Hospital of Pneumophysiology, Bacteriology Laboratory

- Professional skills acquired - microbiological diagnosis

09/2004 – 07/2010 – Sadoveanu Aleea 6-8, Iasi, Romania

**BACHELOR'S DEGREE: VETERINARY DOCTOR – "Ion Ionescu de la Brad" University of Agricultural
Sciences and Veterinary Medicine**

ISCED 6

09/2006 – 06/2010 – Cuza Voda Street, 46, Focsani, Romania

HIGH SCHOOL DIPLOMA – College "Valeriu D. Cotea"

ISCED 4

● **LANGUAGE SKILLS**

Mother tongue(s): **ROMANIAN**

Other language(s):

| | UNDERSTANDING | | SPEAKING | | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
| | Listening | Reading | Spoken production | Spoken interaction | |
| ENGLISH | B1 | B1 | B1 | B1 | B1 |
| FRENCH | B1 | B1 | B1 | B1 | B1 |

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

● **PUBLICATIONS**

Publications

- 28 scientific articles, of which 13 indexed ISI Web of Knowledge (cumulative impact factor 26.34)
- Hirsch index: 3
- Total number of citations: 49

● ORGANISATIONAL SKILLS

Organisational skills

Organizational competence - by participating in the organization of conferences:

- "Initiation of Ethiotropic Therapy in Fungal Infections", Faculty of Veterinary Medicine, Laboratory of Antimicrobial Chemotherapy, Iasi, June, 2018;
- First Balkan Conference on Medical Mycology and Mycotoxicology BALKAN FUNGUS 2018, Timisoara, September 2018;
- International Conference on Electrical Discharges with Liquids, Kocaeli, Turkey, March 14-16, 2016;
- "Laboratory diagnosis of infections caused by dermatophytic fungi", Faculty of Veterinary Medicine, Laboratory of Antimicrobial Chemotherapy, Iasi, June 6-10, 2016;
- 4th National Conference of Medical Mycology, Bucharest, 9-10 September 2016;
- "Initiation of etiotropic therapy in fungal infections", Faculty of Veterinary Medicine, Laboratory of Antimicrobial Chemotherapy Iasi, September 12-16, 2016.

● PREVIOUS PROJECTS

Previous projects

- Member of the project team Human Resources Development and Development for Research and Innovation through the Doctoral School - POSDRU CPP107 / DMI 1.5 / S / 77222-2010-2013.
- Member of the project team "Synthesis and evaluation in vitro / in vivo of new conjugates with antimicrobial activity", Institute of Macromolecular Chemistry "PETRU PONI" Iasi and Institute of Chemistry, Republic of Moldova, Competition Romania-Moldova 2016.
- Member of the project team "Replacement of synthetic food additives with bioactive components extracted from renewable natural resources", within the project RO-MD PN3-220 / 19.09.2016
- Member of the project team "Control of Human Pathogenic Micro-organisms in Plant Production Systems", March 6, 2017 - March 5, 2021.
- PostDoc Position in the project " Plant-derived products with putative use in onychomycosis: combinatorial and nano-based strategies; PN-III-P1-1.1-TE-2019-1894; 2020 - 2022.
- Member of the project team "Team up for healthy fish in aquaculture system of the Prut river basin"; 2SOFT/1.2/47; 2020-2022.

● MEMBER IN PROFESSIONAL SOCIETIES

Member in Professional Societies

- European Society of Clinical Microbiology and Infectious Disease (ESCMID)
- Romanian Society of Medical Mycology and Mycotoxicology (SRMMM)
- Romanian Society of Experimental Medicine (SRME)
- International Society for Human and Animal Mycology
- ISHAM Working Group - Environmental fungal exposure and human health