



Djurdja Ilic-Baus

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Education

- M.S. in Master Microbiology, University of Novi Sad, Serbia
10/2008-10/2011
Course Work: Bacteriology, Phycology, Mycology, Hydrobiology, Bioactive metabolites of microorganisms, Biotechnology, Animal Conservation, Experimental methods in Biology.
- B.S. in Biology, University of Novi Sad, Serbia 6/2008
- Nursing Degree, Medical High School in Doboј, Bosnia and Herzegovina
6/2001

Experience

- Biology professor: Gimnazija Filip Višnjić, Srednja Škola 2.
Feb2016-12.Feb.2016.
- Freelancer-Research assistant in Digital Bio Pharm
3/2013-10/2015
- Biology professor: Osnovna Škola Sveti Sava, Bijeljina, Bosnia and Herzegovina 2.Sep-12.Octo
2013
- Laboratory supervisor: Poljobrivredni Zavod a.d. Bijeljina, Bosnia and Herzegovina
5/2012-7/2012
- Maintained fungal culture collection and fungal file identification
4/2009- 10/2011
- Studied the influence of heavy metals on a number of microorganisms in soil
10/2008-10/2011
- Teaching Assistant, Department of Biology and Ecology
11/2008-2/2009
- Scientific assistant, University of Novi Sad Microbiology Lab
8/2008-2/2009
 - Formed culture collections and databases using programming languages: PHP, HTML and MySQL databases
 - Microbiology analysis of water
 - Sterilization, medium preparation, electrophoresis, ethanol and methanol methods for extraction of bioactive metabolites from fungi and other basic laboratory work
 - Isolation and identification of bacteria, alga and mushrooms, mold and macro fungi, water analysis
- Participant, 3rd International Symposium of Ecologist of the Republic of Montenegro
8/2008-12/2008

- Lab Assistant, Dr. Maja Karaman's PhD - thesis
9/2006-10/2008
- Participated in writing the Mycology manual for bachelor studies
11/2008

Hands-on Experience

- Forming of fungal culture collection
- Maintaining fungal culture collection
- Spectrophotometer
- Antigen/antibody detection methods
- Immunochromatography
- Direct agglutination
- Latex agglutination
- Microscope
- Sterilization
- Media preparation
- Bacterial, mold and mushrooms identification and isolation
- Sanitary food microbiology
- Microbiology of water

Academic Publications and Essays

- *Influence of a Ni, Cu and Cd on the number of filamentous fungi in soil with Poplar sprout clones M1. PE19/66 and B229*
<http://idk.org.rs/casopis-zastita-materijala/>
- Bachelor Thesis
Forming of Fungal Culture Collection and Database
- Master Thesis
Influence of Heavy Metals on Growth of Microorganisms in Soil with Poplar Spruces
- Master-Studies Essays
 - Synthesis and Application of Bacterial Polysaccharides
 - Immunomodulators Isolated from Microorganisms
 - Application of Macro Fungi in Biotechnology
 - Oil Biodegradation by Fungal Enzymes and Other Microorganisms
 - Microorganisms in Biotechnology
 - Fermentations
 - Organic Acids Production Methods
 - Fungal Collection Formation and Characterization
- Participant in 3rd International Symposium of Ecologist of The Republic of Montenegro
 - *Forming and Characterization of Fungal Culture Collection – Northern Serbia*

- Research assistant: Literature research, SMILES, writing reviews, Data collection, Chimera, PubChem

Computer Skills

- Windows XP, Windows 7, Microsoft Office, Linux OS, Mac OS
- Program languages PHP, HTML and MySQL (basic level)
- Chimera

Languages Spoken

- Serbian-native
- English-fluent (written and spoken)

References:

Andrew Voronkov av@digitalbiopharm.com

Prof. dr. Milan Matavulj milan.matavulj@dbe.uns.ac.rs

Prof. dr. Maja Karaman maja.karaman@dbe.uns.ac.rs