



# Mihaela Savu

**Gender:** Female | **Phone number:** (+40) 232201524 (Work) | **Email address:** [mihaelasavu2@gmail.com](mailto:mihaelasavu2@gmail.com) |

**Address:** Bulevardul Carol I, 20A, 700505, Iasi, Romania (Work)

## WORK EXPERIENCE

CURRENT Iasi, Romania

**TEACHING ASSISTANT, FACULTY OF BIOLOGY, "ALEXANDRU IOAN CUZA" UNIVERSITY OF IASI**

10/2023 – 02/2024 Iasi

**ASSOCIATE TEACHING ASSISTANT, FACULTY OF BIOLOGY, "ALEXANDRU IOAN CUZA" UNIVERSITY OF IASI**

10/2022 – 02/2023 Iasi, Romania

**ASSOCIATE TEACHING ASSISTANT, FACULTY OF BIOLOGY, "ALEXANDRU IOAN CUZA" UNIVERSITY OF IASI**

02/2021 – 07/2021 Iasi

**ASSOCIATE TEACHING ASSISTANT, FACULTY OF BIOLOGY, "ALEXANDRU IOAN CUZA" UNIVERSITY OF IASI**

## EDUCATION AND TRAINING

2019 – 2023 Iasi

**PHD IN BIOLOGY, MICROBIOLOGY, FACULTY OF BIOLOGY, ALEXANDRU IOAN CUZA UNIVERSITY OF IASI. THESIS TITLE: ANTIMICROBIAL ACTIVITY AND MECHANISMS OF ACTION OF A NEW CLASS OF SYNTHETIC TRICYCLIC SULPHUR FLAVONOIDS** "Alexandru Ioan Cuza" University of Iasi

2017 – 2019 Iasi

**MASTER'S DEGREE – „MICROBIAL AND CELLULAR BIOTECHNOLOGIES”** "Alexandru Ioan Cuza" University of Iasi

2014 – 2017 Iasi

**BACHELOR STUDIES, BIOCHEMISTRY** "Alexandru Ioan Cuza" University of Iasi

## LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B1	B1	B1	B1	B1

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

## CONFERENCES AND SEMINARS

08/07/2023 – 12/07/2023 Tours, France

**The 47th FEBS Congress - Antibiofilm activity of a novel synthetic flavonoid against Candida krusei**

09/07/2022 – 14/07/2022 Lisabona, Portugal

**25th IUBMB, 46th FEBS, 15th PABMB 2022 - Synthetic flavonoid BrCl - a potential solution against fluconazole resistant Candida strains**

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03/07/2021 – 08/07/2021 Ljubljana, Slovenia

**45th FEBS Congress 2021 - Biochemistry for tomorrow`s medicine - ICI - flav - a new flavonoid with antimicrobial properties**

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25/05/2018 Institute of Oceanology Polish Academy of Sciences, Powstancow Warstancow 55, Sopot, Poland

**International Sopot Youth Conference, Entitled: Where the World is Heading - Phage cocktail against Salmonella enterica: isolation and characterisation of bacteriophages, cocktail creation and obstacles along the way**

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## ● **PROJECTS**

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26/09/2020 – 26/10/2022

**Member in the project research team: Tricyclic 1,3-dithiolium flavonoids - New weapons to combat antibiotic resistance (TriSflav)**

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26/07/2019 – 29/12/2020

**Member in the project research team: New synthetic flavonoids with antimicrobial applications (MICROFLAV)**

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## ● **PUBLICATIONS**

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2024

**Mantea L-E, Moldovan C-V, Savu M, Sarbu L G, Stefan M, Birsa L M, 2024 - An Eco-Friendly Method to Synthesize Potent Antimicrobial Tricyclic Flavonoids. Antibiotics, 13(9), 798.**

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2024

**Moldovan C-V, Mantea L-E, Savu M, Jones P G, Sarbu L G, Stefan M, Birsa L M, 2024 - Novel Tricyclic Flavonoids as Promising Anti-MRSA Agents. Pharmaceuticals, 17, 1276.**

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2024

**Savu M and Stefan M., 2024 - Anti-Candida activity of flavonoids - an overview. Journal of Experimental and Molecular Biology, 25(1), 67-84.**

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2022

**Savu M, Simo M, Fopokam G, Olaru S, Cioanca O, Boyom F and Stefan M, 2022-New Insights into the Antimicrobial Potential of Polyalthia longifolia-Antibiofilm Activity and Synergistic Effect in Combination with Penicillin against Staphylococcus aureus.**

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2022

**Moldovan C-V, Savu M, Dussert E, Aboubacar H, Sarbu L G, Matiut S, Cudennec B, Krier F, Ravallec R, Birsa L and Stefan M, 2022 - Synthetic Flavonoid BrCl-Flav-An Alternative Solution to Combat ESKAPE Pathogens. Antibiotics, 11(10), 1389.**

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2021

**Babii C, Savu M, Motrescu I, Birsa L M, Sarbu L G and Ștefan M, 2021 - The antibacterial synthetic flavonoid BrCl-flav exhibits important anti-activity by damaging cell membrane integrity. Pharmaceuticals, 14(11), 1130-1144.**

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