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| INFORMAŢII PERSONALE | **CHIŞ Aimée - Rodica** |
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| EXPERIENŢA PROFESIONALĂ |  |

Octombrie 2022 - prezent

Asistent universitar la disciplina de Biochimie, Facultatea de Medicina, UMF „Victor Babes”, Timisoara

Septembrie 2021- Septembrie 2022

Cadru didactic asociat la disciplina de Biochimie, Facultatea de Medicina, UMF „Victor Babes”, Timisoara

Septembrie 2019 - Septembrie 2021

Asistent universitar la disciplina de Biochimie, Facultatea de Medicina, UMF „Victor Babes”, Timisoara

Septembrie 2016 – septembrie 2019

Asistent universitar la disciplina de Botanica farmaceutica, Facultatea de Farmacie, UMF „Victor Babes”, Timisoara

Octombrie 2015 - Iunie 2015

Cadru didactic asociat la disciplina de Botanica farmaceutica, Facultatea de Farmacie, UMF „Victor Babes”, Timisoara

Februarie 2015 – August 2015

Efectuarea unui stagiu de practică într-o farmacie de circuit deschis, Dona 148

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| EDUCAŢIE ŞI FORMARE | 2 |

Octombrie 2015- Septembrie 2021

Doctor in Științe Medicale

Doctorand in cadrul Școlii doctorale UMF „Victor Babeș” , Timișoara - Domeniul Medicina

2010-1015

Diploma de Licența în Farmacie

Facultatea de Farmacie, Universitatea de Medicina și Farmacie „Victor Babeș” Timișoara

Februarie 2013 – iunie 2013

Stagiu de un semestru (an III, sem. 2) - programul Erasmus

Faculté de Pharmacie de Marseille, Université de la Méditerranée Aix-Marseille II, Marseille, France

2013-2015

Diploma de Masterat in Economie

Secția Management des Affaires en Contexte Europeen (predare în limba franceză) Facultatea de Economie și Administrare a Afacerilor, Universitatea de Vest, Timișoara

2009-2012

Diploma de Licența în Economie, secția Contabilitate și Informatică de Gestiune Facultatea de Economie și Administrare a Afacerilor, Universitatea de Vest, Timișoara

2005-2009

Diploma de Bacalaureat

Secția Matematică – Informatică

Colegiul Național „Constantin Diaconovici Loga”, Timișoara

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| COMPETENΤE PERSONALE |  |

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| Limba maternă | Română |  |  |  |  |
| Alte limbi străine cunoscute | ΙNΤELEGERE |  | VORBIRE |  | SCRIERE |
|  | Ascultare | Citire | Participare la conversaţie | Discurs oral |  |
| Engleză | B2 | C1 | C1 | C1 | B2 |
|  | First Certificate Cambridge | | | | |
| Franceză | B2 | C1 | C1 | C1 | B2 |
|  |  |  | Diplomă DELF B2 |  |  |
| Maghiară | B2 | B1 | B2 | B2 | A2 |
| Germană | B1 | B1 | B1 | B1 | B1 |

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| Competenţe de comunicare | Foarte bune competenţe de comunicare si argumentare, dobândite prin experienţa în cadrul stagiului de practică în farmacie și a predarii lucrărilor practice atât în limba româna cât și în franceză in cadrul UMFT "Victor Babes", Timisoara. |
| Competenţe organizaţionale/manageriale | Foarte bune competențe de organizare, planificare, analiză si sinteză |

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| Competenţe informatice | Microsoft Office™ - utilizator experimentat |

Alte competenţe

Permis de conducere

Adaptabilitate la situatii noi, la medii multiculturale și capacitatea de colaborare in cadrul unui colectiv. Foarte bune competențe de comunicare în limbi străine (franceză și engleză), punctualitate, răbdare, rigurozitate și creativitate.

Categoria B

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| INFORMAΤII SUPLIMENTARE |  |

Publicaţii Prezentări Proiecte Conferinţe Seminarii Distincţii Afilieri Referinţe

# Proiecte de cercetare

Membru in proiectul “Analiza bioinformatică metagenomică integrată a datelor de secvențiere Nanopore generate utilizând chimia Q20+”. CNFIS-FDI-2023-F-0355

Membru in proiectul "Centrul de referinta zonal pentru analiza metagenomica "; MetaGen@Tm CNFIS-FDI-2022-0423

Membru in proiectul "Centrul de referinta zonal pentru secventierea de noua generatie NextGen@TM"; CNFIS-FDI-2021-0484

Membru in proiectul ”Știința complexității în farmacia de precizie: predicția interacțiunilor medicamentoase relevante folosind analiza rețelelor complexe”, acronim HYPERION, cod proiect PN-III-P2-2.1-PED-2019-2842, Contract de finanțare nr.

554PED/2020

**Cursuri**

Participare la Curs practic de genomica a patogenilor, 23-25.10.2023

Participare la Cursul EMBL-EBI Metagenomics bioinformatics at MGnify, 9-13.10.2023

Participare la Cursul acreditat FELASA 056/16: 9th Laboratory Animal Science European Union Functions Course,

September 11‐22, 2023; FELASA Certificate ID: 056/16\_230919\_Aimée‐Rodica Chis

Participare la Cursul Advanced Genomic Techniques for Comprehensive Metagenomics Profiling of Novel and Extreme Environments; 24-26.04.2023

Participare la EMBL-EBI Course Computing skills for reproducible research: data carpentry, 24-27.01.2023

**Articole publicate *in extenso***

Milcu AI, Anghel FM, Romanescu M, **Chis AR**, Anghel A, Boruga O. Plasma miR-19b, miR-34a, and miR-146a expression in patients with type 2 diabetes mellitus and cataract: A pilot study. Biomolecules and Biomedicine. 2023 Nov 28.; https://doi.org/10.17305/bb.2023.9933; IF=3,4

Maries L, Moatar AI, Sala-Cirtog M, Sima L, Anghel A, Marian C, **Chis AR,** Sirbu IO, Clinical Variables Influence the Ability of miR-101, miR-150, and miR-21 to Predict Ventricular Remodeling after ST-Elevation Myocardial Infarction, Biomedicines 2023, 11, 2738. https://doi.org/10.3390/biomedicines11102738; IF=4,757

Moatar AI, **Chis AR**, Romanescu M, Ciordas PD, Nitusca D, Marian C, Oancea C, Sirbu IO, Plasma miR-195-5p predicts the severity of Covid-19 in hospitalized patients, Scientific Reports 2023; 13 (1), 13806; https://doi.org/10.1038/s41598-023-40754-w; IF=4,6

Maries L, Moatar AI, **Chis AR**, Marian C, Luca CT, Sirbu IO, Gaiță D, Plasma hsa-miR-22-3p Might Serve as an Early Predictor of Ventricular Function Recovery after ST-Elevation Acute Myocardial Infarction, Biomedicines. 2023; 11 (8): 2289; https://doi.org/10.3390/biomedicines11082289; IF=4,757

Capraru ID, Romanescu M, Anghel FM, Oancea C, Marian C, Sirbu IO, **Chis AR**, Ciordas PD. Identification of Genomic Variants of SARS-CoV-2 Using Nanopore Sequencing. Medicina. 2022 Dec;58(12):1841. https://doi.org/10.3390/medicina58121841; IF=2,948

Moatar AI**, Chis AR,** Marian C, Sirbu IO. Gene Network Analysis of the Transcriptome Impact of SARS-CoV-2 Interacting

MicroRNAs in COVID-19 Disease. International journal of molecular sciences. 2022 Jan;23(16):9239.

https://doi.org/10.3390/ijms23169239; IF:6,208

**Chiș AR**, Muntean PD, Moatăr AI, Oancea C, Crețu OM, Sîrbu IO. SARS-CoV-2 Identification Using Colorimetric

Loop-Mediated Isothermal Amplification. Timisoara Med. 2022 Feb;2022(1):0-. doi:10.35995/tmj20220101

**Chis AR**, Moatar AI, Dijmarescu C, Rosca C, Vorovenci RJ, Krabbendam I, Dolga A, Bejinar C, Marian C, Sirbu IO and Simu

M. Plasma hsa-mir-19b is a potential LevoDopa therapy marker. Journal of Cellular and Molecular Medicine. 2021;

25(18):8715-24; https://doi.org/10.1111/jcmm.16827; FI=5,310

**Chiș AR**, Moatăr AI, Sîrbu IO. A Disease in Search for a Biomarker: MicroRNAs in Parkinson’s Disease. *Timisoara Medical Journal*. 2021, 2021(1):2. ISSN:1583-526X, doi: 10.35995/tmj20210102

Udrescu L, Bogdan P, **Chiş A**, Sîrbu IO, Topîrceanu A, Văruţ RM, Udrescu M. Uncovering New Drug Properties in Target- Based Drug-Drug Similarity Networks. Pharmaceutics. 2020 Sep 16;12(9):E879. doi: 10.3390/pharmaceutics12090879. PMID: 32947845; IF: 6,321

Sirbu IO, **Chiş AR**, Moise, AR. Role of carotenoids and retinoids during heart development. *Biochimica et Biophysica Acta (BBA)-Molecular and Cell Biology of Lipids*. 2020. 1865 (11) 158636; https://doi.org/10.1016/j.bbalip.2020.158636; IF: 4,698

Antal DS, Ardelean F, **Chis AR**, Ollivier E, Serban MC. Nanoscale delivery systems: actual and potential applications in the natural products industry, Curr Pharm Des. 2017;23:2414–2421. https://doi.org/10.2174/1381612823666170220155540; IF: 2,757

# Capitol intr-o carte la editura internationala

Corina Danciu, Suciu Oana, Diana Simona Antal, Florina Ardelean, **Aimée Rodica Chiş**, Codruţa Şoica, Florina Andrica, Cristina Dehelean and Vlaicu Brigitha**,** Chapter 12: New Insights Regarding the Potential Health Benefits of Isoflavones. In: Flavonoids (Justino J editor) - Intech, 2017**,** DOI: 10.5772/67896

# Coautor carti

Andrei Anghel, Adriana Kaycsa, Liviu Tămaş, Alina Georgescu, Anca Marcu, Ramona Buzatu, Adrian Mihala, Maria Sala- Cîrtog, Alexandra Moatăr, **Aimee Chiş**, Lucrări practice de biochimie farmaceutică, 2019, Editura Victor Babeş, ISBN 978- 606-786-148-8.

# Premii/distinctii

*Premiul II* - Sesiunea științifică a Scolii Doctorale UMF Timișoara si a Academiei de Științe Medicale - Sesiune postere: Age dependent expression of mmu-miR-195 in various mouse tissues

# Participari cu lucrari la congrese / conferinte nationale si internationale

Udrescu L, Topîrceanu A, Ardelean S, **Chiș A**, Suciu L, Grec S, Udrescu M, *Unraveling drug-drug interaction prediction: improving patient safety through complex network analysis,* Congresul National de Farmacie, Editia a XIX-a, Cluj-Napoca, 27-29 September 2023, ISBN 978-606-075-203-5

Moatăr AI, **Chis AR**, Nitusca D, Marian C, Oancea C and Sirbu IO, *Altered expression of microRNA-195 might contribute to a severe outcome in SARS-CoV-2 infection*, The Annual International Conference of RSBMB, Cluj-Napoca 13-15 September 2023, ISSN (online): 2065-9512

Ciordas PD, Romanescu M, **Chis AR**, MarianC and Sirbu IO, *Absolute and relative expression analysis of plasma*

*microRNAs in patients with prostate cancer – a comparison*, The Annual International Conference of RSBMB, Cluj-Napoca 13-15 September 2023, ISSN (online): 2065-9512

Romanescu M, Butoi I, **Chis AR**, Ciordas PD, Olteanu E, Vilcu P, Sirbu IO, *Nanopore-based metagenomics for diagnostic and therapy refinement in a case of acute canine pancreatitis*, RoBioinfo Conference 2023, Bucharest, 11-13.05.2023; ISBN 978-606-28-1617-9

Ciordas PD, Capraru ID, Romanescu M, Anghel FM, Oancea C, Marian C, Sirbu IO, **Chis AR**, SARS-CoV-2 *Genomic Variants Identification by Using Nanopore*, RoBioinfo Conference 2023, Bucharest, 11-13.05.2023; ISBN 978-606-28-1617-9

Udrescu L, Suciu L, **Chiș A**, Topîrceanu A, Iovanovici A, Ardelean S, Udrescu M, *Mobile Application for Displaying and Predicting Drug-Drug Interactions*, Workshop „New Trends In Pharmaceutical Research”, Timisoara, 31.03.2023

Grec S, Atyim E, Cleciu O, Tenie M, Suciu L, **Chis A**, Udrescu M, Topîrceanu A, Iovanovici A, Ardelean S, Udrescu L, Predicting Drug Interactions Using Complex Networks to Improve Patient Safety, Workshop „New Trends In Pharmaceutical Research”, Timisoara, 31.03.2023

**Chis AR,** *Plasma microRNA in Parkison’s disease,* International Conference and XXIX Scientific Session of the Romanian Society for Cell Biology, Cluj-Napoca, 21-23 October 2022, Invited Speaker

**Chis AR,** Moatar A#, Udrescu M, Isvoranu G, Badea R, Cismasiu V, Szedlacsek S, Sirbu IO, ***"****Time dependent expression of mmu-mir-195 in mouse heart"*, International Conference and XXIX Scientific Session of the Romanian Society for Cell Biology, Cluj-Napoca, 21-23 October 2022, P5

Romanescu M, **Chis AR**\*, Moatar AI, Marian C, Simu M, Sirbu IO, *Therapy induced microRNA modificatios in Parkison’s disease,* International Conference and XXIX Scientific Session of the Romanian Society for Cell Biology, Cluj-Napoca, 21-23 October 2022, P3

Ciordas PD, Capraru ID, Anghel FM, Romaescu M, Oancea C, Marian C, Sirbu IO, **Chis AR**, *SARS-CoV-2 genomic variants Identification using Nanopore sequencing,* International Conference and XXIX Scientific Session of the Romanian Society for Cell Biology, Cluj-Napoca, 21-23 October 2022, P4

**Chis AR,** Moatar A#, Udrescu M, Isvoranu G, Badea R, Cismasiu V, Szedlacsek S, Sirbu IO, ***"****Time dependent expression of mmu-mir-195 in mouse heart"*, 4th Danube Conference on Epigenetics, Budapest, 18-21 October 2022, P-11

Romanescu M, **Chis AR**\*, Moatar AI, Marian C, Simu M, Sirbu IO, *Therapy induced microRNA modificatios in Parkison’s disease,* 4th Danube Conference on Epigenetics, Budapest, 18-21 October 2022, P-38

Moatar AI, **Chis AR***,* Romanescu M, Oancea C, Marian C, Sirbu O, *Altered circulating hsa-miR-195-5p level predicts Covid-19 severity in hospitalized patients*, 4th Danube Conference on Epigenetics, Budapest, 18-21 October 2022, P-45

Suciu L, **Chiș AR,** Sbarcea L, Topîrceanu A, Udrescu M, Iovanovici A, Ardelean S, Udrescu L, *Comparison of drug interactions from international databases,* Conferinta Internationala ANFSR, Editia a III-a, Cluj-Napoca, 28-29.04.2022,

Suciu L, **Chiș AR,** Sbarcea L, Topîrceanu A, Udrescu M, Iovanovici A, Ardelean S, Udrescu L, *Comparison of drug interactions from international databases,* Congresul National de Farmacie, Oradea, 15-17 Septembrie 2021, Book of Abstracts ISBN 978-606-10-2144-4

**Chis A,** Moatar A#, Udrescu M, Isvoranu G, Badea R, Cismasiu V, Szedlacsek S, Bejinar C, Sirbu IO, " *Time dependent expression of mmu-mir-195 in mouse heart",* The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, Iasi, 26-27th September, 2019; Journal of Experimental & Molecular Biology. 2019, Vol. 20 Issue 3, p68-68, ISSN: 2601-6974

Moatar A, **Chis A**, Miok V, Samoila C, Seclaman E, Anghel A, Sirbu IO, Marian C, *Complex network gene network analysis of genome wide methylation data of oral cqarcinoma formalin fixed tissue,* The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, Iasi, 26-27th September, 2019; Journal of Experimental & Molecular Biology. 2019, Vol. 20 Issue 3, p71-71. ISSN: 2601-6974

**Chis AR,** Moatar A, Bejinar C, Sirbu IO, ***"****Time dependent expression of mmu-mir-195 in various mouse tissues"*, 3rd Danube Conference on Epigenetics, Budapest 9-12 October 2018, P 17

Moatar A, **Chis A**, Bejinar C, Anghel A, Marian C, Sirbu IO, ***"****Age dependent expression of mmu-microRNA-19a in various mouse tissues",* 3rd Danube Conference on Epigenetics, Budapest 9-12 October 2018, P 57

**Chis A,** Moatar A, Bejinar C, Sirbu IO, ***"****Time dependent expression of mmu-mir-195 in mouse tissues"*, The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, Bucharest, 5- 7th September, 2018, Book of Abstracts ISBN 978-973-720-746-3, P 12

Moatar A, **Chis A**, Bejinar C, Anghel A, Marian C, Sirbu IO, ***"****Age dependent expression of mmu-microRNA-19a in various mouse tissues",* The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, Bucharest, 5-7th September, 2018, Book of Abstracts ISBN 978-973-720-746-3, P 37

Bozin LA, **Chis AR**, Dragomirescu A, Simu G, Pascariu MC, Georgescu A, Sisu E. *TLC and densitometric analysis of methanol extracts from marine algae.* New Frontiers in Chemistry. 2017 Apr 1;26(2):S1\_P7-; ISSN 2393-2171

**Chiș AR,** Ardelean F, Antal DS, *„Amentoflavone: a versatile natural compound with anti-inflammatory and anti-proliferative activity”*, Phytocompounds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity, Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014, 23.11.2016, p.22; ISBN 978-606-786-024-5

**Chiș AR,** Ardelean F, Antal DS, *„Aristolochia clematitis: a controversial anti-cancer plant used in Romanian folk medecine”*, Phytocompounds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity, Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT-789/30.06.2014, 23.11.2016, p.25; ISBN 978-606-786-024-5

Antal DS, Ardelean F, **Chiș AR**, *„Plant species used in traditional Romanian dermatologic treatments: a starting point in the quest for new anti-inflammatory phytocompounds”*, Phytocompounds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity, Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014, 23.11.2016, p.23; ISBN 978-606-786-024-5

Ardelean F, **Chiș AR**, Antal DS, *„Japanese knotweed – an invasive plant as source of phytocompounds with health benefits”*, Phytocompounds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity, Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014, 23.11.2016, p.26; ISBN 978-606-786-024-5

Ardelean F, **Chiș AR**, Antal DS, *„In situ microchemical reactions of Reynoutria japonica underground parts”*, Phytocompounds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity, Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014, 23.11.2016, p.27; ISBN 978-606-786-024-5

**Chiș AR**, Ardelean F, Antal DS, „*Ethnopharmaceutical study of medicinal plants used in some rural areas of western Romania”,* Conference on Medicinal and Aromatic Plants of Southeast Europeann Countries – 9th CMAPSEEC, 26-29 May 2016, Bulgaria, PP21

**Chiș AR**, Ardelean F, Antal DS, „*Key anatomical elements of Mahonia aquifolium”,* Conference on Medicinal and Aromatic Plants of Southeast Europeann Countries – 9th CMAPSEEC, 26-29 May Bulgaria, PP22

Ardelean F, **Chiș AR,** Vasiu G, Antal DS, „*Anatomical structure and microchemical investigation of reducing polyphenols in Hippolphae rhamnoides L. products”,* Conference on Medicinal and Aromatic Plants of Southeast Europeann Countries – 9th CMAPSEEC, 26-29 May 2016, Bulgaria, PP3

Ardelean F, **Chiș AR,** Antal DS, Dragan S, „*What can be learned from ethnobotany in the management of metabolic syndrome?”,* Conference on Medicinal and Aromatic Plants of Southeast Europeann Countries – 9th CMAPSEEC, 26-29 May 2016, Bulgaria, PP4

Antal DS, Ardelean F, **Chiș AR**, „*Calcium oxlate crystal diversity: a peculiarity of the plant kingdom”,* The importance of using micro crystals in therapy, Abstracts of the workshop of the Romanian-French bilateral project 791/2014, nov. 2015, p.77; ISBN 978-606-8456-86-7

**Chiș AR,** Ardelean F, Antal DS, *„Plants with anti-inflmmatory effect used in the ethnomedecine of rural areas from Romania (Banat region)”*, Natural products as a source of compounds with chemopreventive and anti- inflammatory activity, Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014, 10.07.2015, p.21; ISBN 978-606-8456-67-6

11.01.2023