

## INFORMAȚII PERSONALE

**Mihăilescu Alexandra-Maria**  
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## EXPERIENȚA PROFESIONALĂ

2017 - prezent

**Asistent Universitar Disciplina Genetică Medicală**  
Universitatea de Medicină și Farmacie "Victor Babeș" Timișoara

**Medic Specialist Genetică Medicală**  
**IML Timișoara**  
Laborator Genetică medico-legală

## EDUCAȚIE ȘI FORMARE

2001-2007

**Diplomă Licență**  
Universitatea de Medicina si Farmacie "Victor Babeș" Timisoara,  
Facultatea de Medicină Generală

1997-2001

**Diploma Bacalaureat**  
Liceul de Arte Plastice, Timișoara  
Atestat Pictură

Limba maternă

limba română

Alte limbi străine cunoscute

ENGLEZĂ

B2

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat

PUBLICAȚII/ PARTICIPARE  
ÎN PROIECTE

## Lucrări publicate în reviste de specialitate ISI

- ❖ Stan, E.; Muresan, C.-O.; Dumache, R.; Ciocan, V.; Ungureanu, S.; **Mihailescu, A.**; Daescu, E.; Duda-Seiman, C.; Menghiu, G.; Hutanu, D.; et al. From Jane Doe to Sofia: DNA Extraction Protocol from Bones and Teeth without Liquid Nitrogen for Identifying Skeletal Remains. Int. J. Mol. Sci. 2024, 25, 5114. <https://doi.org/10.3390/ijms25105114>; IF=4,9
- ❖ Raluca Dumache, **Alexandra Mihailescu\***, Dana Liana David, Flavius-Lucian Herlo, Gabriel Verdeș, Dan Brebu, Ionuț Faur, Vlad Braicu, Amadeus Dobrescu, Ciprian Duță. Polymorphisms Of CD44 Rs187115 As A Predictive Biomarker In Early Colorectal Cancer Diagnostic. Chirurgia. 2024. DOI: 10.21614/Chirurgia.3007; IF=0,8
- ❖ Ionescu A, **Mihăilescu A**, Chiriță-Emandi A, Munagala N, David VL, Dumache R, Săndesc D, Bedreag O, Folescu R, Bratosin F, Barata PI, Cristescu DM,

Săndesc MA. Assessing Differential Transfusion Requirements for Children with Congenital Malformations vs. Pediatric Acute Abdomen Emergencies. *Diagnostics (Basel)*. 2024 Oct 4;14(19):2216. doi: 10.3390/diagnostics14192216. PMID: 39410620; IF=3,0

- ❖ Andreescu N, Sharma A, **Mihailescu A**, Zimbru CG, David VL, Horhat R, Kundnani NR, Puiu M, Farcas S. Chest wall deformities and their possible associations with different genetic syndromes. *Eur Rev Med Pharmacol Sci*. 2022 Jul;26(14):5107-5114. doi: 10.26355/eurrev\_202207\_29298. PMID: 35916808; IF=3,3
- ❖ Dumache R, Enache A, Macasoi I, Dehelean CA, Dumitrascu V, **Mihailescu A**, Popescu R, Vlad D, Vlad CS, Muresan C. SARS-CoV-2: An Overview of the Genetic Profile and Vaccine Effectiveness of the Five Variants of Concern. *Pathogens*. 2022 Apr 26;11(5):516. doi: 10.3390/pathogens11050516. PMID: 35631037; PMCID: PMC9144800; IF=3,4
- ❖ Alexandra Enache, Veronica Ciocan, Camelia Oana Muresan, Talida Georgiana Cut, Dorin Novacescu, Corina Paul, Nicoleta Andreescu, **Alexandra Mihailescu**, Marius Raica and Raluca Dumache. Postmortem Documentation of SARS-CoV-2 in Utero and Postpartum Transmission, through Amniotic Fluid, Placental, and Pulmonary Tissue RT-PCR. *Appl. Sci*. 2021, 11(20), 9505; <https://doi.org/10.3390/app11209505>; IF=2,67
- ❖ **Mihailescu, A.**; Serafim, V.; Paul, C.; Andreescu, N.; Tiugan, D.-A.; Tutac, P.; Velea, I.; Zimbru, C.G.; Serban, C.L.; Ion, A.I.; et al. Docosahexaenoic Acid and Eicosapentaenoic Acid Intakes Modulate the Association of FADS2 Gene Polymorphism rs526126 with Plasma Free Docosahexaenoic Acid Levels in Overweight Children. *Appl. Sci*. 2021, 11, 9845. <https://doi.org/10.3390/app11219845>; IF=2,67
- ❖ Alin Ionescu, Abhinav Sharma, Nilima Rajpal Kundnani\*, **Alexandra Mihăilescu**, et al; Intravenous iron infusion as an alternative to minimize blood transfusion in perioperative patients, *Sci Rep*; 2020 Oct 27;10(1):18403. doi: 10.1038/s41598-020-75535-2; IF= 3,99
- ❖ Vlad Serafim, Diana-Andreea Tiugan, Nicoleta Andreescu\*, **Alexandra Mihăilescu**, Corina Paul, Iulian Velea, Maria Puiu and Mihai Dinu Niculescu; Development and Validation of a LC– MS/MS-Based Assay for Quantification of Free and Total Omega 3 and 6 Fatty Acids from Human Plasma; *Molecules* 2019 Jan 20; 24(2):360. doi: 10.3390/molecules24020360 2019; IF = 3.2
- ❖ Raluca Dumache, Maria Puiu, **Alexandra Mihăilescu**, Alexandra Enache; Detection of Mutations in Short Tandem Repeats (STRs) Loci in Paternity Testing in Romanian Population; *Clinical Laboratory* 2020, doi: 10.7754/Clin.Lab.2020.200103; IF=1,224
- ❖ Adela Chirita-Emandi, Nicoleta Andreescu, Cristina Popa, **Alexandra Mihăilescu**, Anca-Lelia Riza, Razvan Plesea, Mihai Ioana, Smaranda Arghirescu, Maria Puiu; Biallelic variants in BRCA1 gene cause a recognisable phenotype within chromosomal instability syndromes reframed as BRCA1 deficiency; *Journal of Medical Genetics* 2020; IF= 4.943
- ❖ Vlad Serafim, Adela Chirita-Emandi, Nicoleta Andreescu\*, Diana- Andreea Tiugan,

Paul Tutac, Corina Paul, Iulian Velea, **Alexandra Mihăilescu**, Costela Lăcrimioara Șerban, Cristian G. Zimbru, Maria Puiu, Mihai Dinu Niculescu; Single Nucleotide Polymorphisms in PEMT and MTHFR Genes are Associated with Omega 3 and 6 Fatty Acid Levels in the Red Blood Cells of Children with Obesity; *Nutrients*.2019 Oct 30;11(11):2600. doi: 10.3390/nu11112600; IF=4.171

- ❖ Adela Chirita-Emandi, Nicoleta Andreescu, Cristina Popa, **Alexandra Mihăilescu**, Anca-Lelia Riza, Razvan Plesea, Mihai Ioana, Smaranda Arghirescu, Maria Puiu; Biallelic variants in BRCA1 gene cause a recognisable phenotype within chromosomal instability syndromes reframed as BRCA1 deficiency; *J Med Genet*.2020 Aug 25; jmedgenet-2020-107198. doi: 10.1136/jmedgenet-2020-107198; IF= 4.9
  
- ❖ Adela Chirita-Emandi, Costela Lacrimioara Serban, Corina Paul, Nicoleta Andreescu, Iulian Velea, **Alexandra Mihăilescu**, Vlad Serafim, Diana-Andreea Tiugan, Paul Tutac, Cristian Zimbru, Maria Puiu, Mihai Dinu Niculescu. CHDH-PNPLA3 Gene-Gene Interactions Predict Insulin Resistance in Children with Obesity. *Diabetes Metab Syndr Obes*. 2020 Nov 19;13:4483-4494.IF=6,5

#### **Proiecte** (membru proiect)

1. Proiect cofinanțat din Fondul European prin Programul Operațional Capital Uman 2014-2020 Axa prioritară: 4 Incluziunea socială și combaterea sărăciei - Obiectiv specific: 4.8 - Îmbunătățirea nivelului de competențe al profesioniștilor din sectorul medical; Titlul proiectului: Formarea Profesională a personalului medical în Genetică medicală– PROGEN - SMIS 107623; Contract POCU: 91/4/8/107623/08.12.2017 (12.2017-12.2019);
  
2. Competitiveness Operational Programme 2014-2020; priority axis 1 – Research, technological development and innovation to support economic competitiveness and business development action 1.1.4 Attracting high-level personnel from abroad in order to enhance the RD capacity; Title: Use of nutrigenomic models for the personalized treatment with medical foods in obese people (NutriGen) 2016 - 2019;

Membru ESHG  
Membru S