**Listă de lucrări**

**Lista a 10 lucrări reprezentative**

1. 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=2,679
2. 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
3. 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
4. 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= 6.318
5. Adela Chirita-Emandi, Costela Lacrimioara Serban, Corina Paul, Nicoleta Andreescu, Iulian Velea, Alexandra Mihailescu, 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=3.168
6. Raluca Dumache, Alexandra Mihailescu\*, Dana Liana David, Flavius-Lucian Herlo, Gabriel Verdeş, Dan Brebu, Ionuţ Faur, Vlad Braicu, Amadeus Dobrescu, Ciprian Duţă. Polymorphisms Of CD44 Rs187115 As A Predictive Biomarker In Early Colorectal Cancer Diagnostic. Chirurgia. 2024. DOI: 10.21614/Chirurgia.3007; IF=0,8
7. 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
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
9. 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
10. 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

**Teza de doctorat** cu titlul

“VARIAȚII POLIMORFICE LA COPILUL CU OBEZITATE ȘI REZISTENȚĂ LA INSULINĂ”, coordonator Prof. Univ. Dr. Puiu Maria

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**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 Verdeş, Dan Brebu, Ionuţ Faur, Vlad Braicu, Amadeus Dobrescu, Ciprian Duţă. 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=2,679

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= 6.318

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

R. Dumache, A. Enache, C. Paul, A. Mihailescu, A. Ionescu, D. Novacescu, A. Marinescu, V. Ciocan, C. Muresan, A. Voicu Deficiency of Vitamin D, a Major Risk Factor for SARS-CoV-2 Severity, CLINICAL LABORATORY 2022 68 (3), pp.455-462 F=0,7

Adela Chirita-Emandi, Costela Lacrimioara Serban, Corina Paul, Nicoleta Andreescu, Iulian Velea, Alexandra Mihailescu, 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=3.168

**Lucrări publicate în rezumat în reviste de specialitate ISI**

Perva, I, Perva, C, Rusu, D, Farcas, S, Chirita-Emandi, A, Andreescu, N, Mihailescu, A, Zimbru, C, Morar, N, Puiu, M Karyotyping Optimised Online Learning, EUROPEAN JOURNAL OF HUMAN GENETICS, 50th European-Society-of-Human-Genetics (ESHG) Conference, MAY 27-30, 2017, Copenhagen, DENMARK

**Lucrări publicate în reviste indexate BDI (co-autor)**

IE Jurca Simina, A Chirita-Emandi, N Andreescu, S Farcaș, A Mihailescu, AM Popa, P Tutac, C Zimbru, AI Dobrescu, IT Perva, A Murariu, M Puiu BURDEN OF RARE GENETIC DISEASES –EXPERIENCE OF TIMIS REGIONAL CENTRE OF MEDICAL GENETICS, ROMANIA Jurnalul Pediatrului, 2019, XXII(85-86):56-65