**Lista de lucrări**

**Titlul tezei de doctorat**

Studiul prospectiv al depistarii afectiunilor citogenetice prin metodologia diagnosticului antenatal

**Titlul tezei de abilitare**

Genetica intre cercetare, implicatii clinice si noi provocari

**Monografii, ghiduri:**

1. Maria Puiu, Nicoleta Andreescu, Adela Chirita Emandi – editori: Ghid pentru situaţii de urgenţă în bolile rare ISBN 978-606-786-008-5, Editura Victor Babes Timisoara, 2016
2. Maria Puiu, Simona Farcas, Nicoleta Andreescu, Andreea Dobrescu, Diana Tiugan, Paul Tutac, Victoria Sacara, Natalia Usurelu, Iulia Coliban, Victoria Hlistun, Chiril Boiciuc, Dorif Alexandr, Turcan Doina, Daniela Blăniță, Natalia Barbova, Vladimir Egorov Abordarea bolilor genetice prin screening si diagnostic pre- si postnatal, Editura Victor Babes, Timisoara, 2019
3. Ruxandra Jurcut, Carmen Ginghina, Cardiomiopatii genetice, Editura Medicala Antaeus, 2018

**Tratat internațional (autor capitol)**

Andreescu N., Puiu M., Niculescu M. (2018) Effects of Dietary Nutrients on Epigenetic Changes in Cancer. In: Dumitrescu R., Verma M. (eds) Cancer Epigenetics for Precision Medicine. Methods in Molecular Biology, vol 1856. Humana Press, New York, NY

**Tratat în editură recunoscută CNCSIS (membru colectiv autori)**

Genetica Medicala ed 3 Mircea Covic, Dragos Stefanescu, Ionel Sandovici,Vlad Gorduza Editura: Polirom, 2017, ISBN 9789734665266

**Cursuri universitare**

1. De la fundamental la aplicativ în genetica stomatologică. Valerica Belengeanu, Florica Glavan, Dorina Stoicănescu, Noemi Meszaros, **Nicoleta Andreescu**, Cristina Bratu, Monica Stoian, Simona Farcas, Cristina Popa, Dragos Belengeanu Mihaita Opritescu. Editura Eurostampa, ISBN 978-973-687-644-8, Timisoara 2007.
2. Genetica Stomatologică - Baze teoretice şi clinice. Valerica Belengeanu, Dorina Stoicănescu, Noemi Meszaros, **Nicoleta Andreescu**, Monica Stoian, Simona Farca, Cristina Bratu, Malina Popa, Cristina Popa, Dragoş Belengeanu, Stefania Dinu. Editura Eurostampa, ISBN 978-606-569-152-0, 2010.
3. Genetica anomaliilor dento-maxilo-faciale. Puiu Maria, Stoicanescu Dorina, Gug Cristina, Popa Cristina, Farcas Simona, **Andreescu Nicoleta**, Meszaros Noemi, Stoian Monica. Editura Victor Babes,Timisoara ISBN 978-606-8054-94-0, 2012.
4. Genetics in clinical dentistry - Stoicanescu Dorina, **Andreescu Nicoleta**, Editura Eurostampa, 2013, ISBN 978-606-569-666-2,
5. Curs de Genetică Medicală. Maria Puiu, Dorina Stoicanescu, Cristina Gug, Simona Farcas, Cristina Popa, **Nicoleta Andreescu**, Adela Chirita-Emandi, Andreea Dobrescu. Editura Eurostampa, 2016, ISBN 978-606-32-0296-4.
6. Curs de GENETICĂ pentru Asistență Medicală Generală MARIA PUIU, DORINA STOICĂNESCU, CRISTINA GUG, SIMONA FARCAȘ, CRISTINA POPA, **NICOLETA ANDREESCU**, ADELA CHIRIȚĂ-EMANDI, ANDREEA DOBRESCU, Editura “Victor Babeş” Timişoara, 2017, ISBN 978-606-786-043-6
7. Genetics in Clinical Dentistry. 2nd Edition Stoicanescu Dorina, **Andreescu Nicoleta**, Eurostampa, 2019, ISBN 978-606-32-0773-0

**Suport de studiu pentru lucrării practice**

1. Aplicatii practice in genetica medicala, ed.I Valerica Belengeanu, Maria Puiu, Dorina Stoicănescu, Cristina Gug, Mirela Mihaescu, Simona Farcaş, Cristina Popa Monica Stoian, **Nicoleta Andreescu**, Noemi Meszaros. Editura Eurostampa, ISBN ISBN 978-973-687-676-9. Timisoara 2008.
2. Aplicatii practice in genetica medicala, ed.II revizuita Valerica Belengeanu, Maria Puiu, Dorina Stoicănescu, Cristina Gug, Mirela Mihaescu, Simona Farcaş, Cristina Popa Monica Stoian, **Nicoleta Andreescu**, Noemi Meszaros. Editura Eurostampa, ISBN 978-973-687-762-9.Timisoara 2008.
3. Aplicatii practice in genetica medicala, ed.III revizuita Valerica Belengeanu, Maria Puiu, Dorina Stoicănescu, Cristina Gug, Mirela Mihaescu, Simona Farcaş, Cristina Popa Monica Stoian, **Nicoleta Andreescu,** Noemi Meszaros Editura Eurostampa, ISBN 978-973-687-915-9.Timisoara 2009.
4. Genetica medicală în practica clinică. Valerica Belengeanu, Maria Puiu, Dorina Stoicănescu, Cristina Gug, Simona Farcaş, Cristina Popa Monica Stoian, **Nicoleta Andreescu**, Noemi Meszaros. Eurostampa Publishing, ISBN 978-606-569-213-8. Timisoara 2011.
5. Genetica medicala – caiet lucrari practice. Puiu Maria, Stoicanescu Dorina, Gug Cristina, Popa Cristina, Farcas Simona, **Andreescu Nicoleta**, Adela Emandi-Chirita, Corina Pienar, Meszaros Noemi. Editura Eurostampa, ISBN 978-606-569-563-4, 2013
6. Aplicaţii practice de GENETICĂ pentru Asistență Medicală Generală MARIA PUIU, DORINA STOICĂNESCU, CRISTINA GUG, SIMONA FARCAȘ, CRISTINA POPA, **NICOLETA ANDREESCU**, ADELA CHIRIȚĂ-EMANDI, ANDREEA DOBRESCU, Editura “Victor Babeş” Timişoara, 2017, ISBN 978-606-786-044-3
7. Genetică - Aplicații practice Maria Puiu, Dorina Stoicanescu, Cristina Gug, Simona Farcas, Cristina Popa, **Nicoleta Andreescu**, Adela Chirita-Emandi, Andreea Dobrescu, Alexandra Mihăilescu. Editura Eurostampa, 2019 ISBN 978-606-32-0670-2

**Lucrari ISI autor principal**

1. D. Belengeanu, Cristina Bratu, Monica Stoian, A. Motoc, Eli Ormerod, Angela Codruţa Podariu, Simona Farcaş, **Nicoleta Andreescu** The heterogeneity of craniofacial morphology in Prader–Willi patients. Rom J Morphol Embryol 2012, 53(3):527–532. ISSN 1220-0522 **IF=0.620**
2. SIMONA FARCAŞ, C.D. CRIŞAN, **NICOLETA ANDREESCU**\*, MONICA STOIAN, A. G. M. MOTOC **(\*autor corespondenta**) Structural chromosomal anomalies detected by prenatal genetic diagnosis: our experience, Rom J Morphol Embryol 2013, 54(2):377–383 ISSN 1220-0522 **IF= 0.723**
3. DORINA STOICĂNESCU, **NICOLETA ANDREESCU**\*, ALINA BELENGEANU, NOEMI MESZAROS, MĂRIOARA CORNIANU Rom **(\*autor corespondenta**) Assessment of p53 and HER-2/neu genes status and protein products in oral squamous cell carcinomas Rom J Morphol Embryol 2013, 54(4):1107–1113 ISSN 1220-0522 **IF= 0.723**
4. Laura Alexandra Nussbaum, **Nicoleta Andreescu**\*, Liliana Nussbaum, Raluca Gradinaru, Maria Puiu **(\*autor corespondenta**) Ethical Issues Related to Early Intervention in Children and Adolescents with Ultra High Risk for Psychosis: Clinical Implications and Future Perspectives Rev Rom Bioet, 2014, vol. 12(3), 64-81 ISSN 1583-5170 **IF=0.462**
5. Laura Nussbaum**,** Raluca Gradinaru, **Nicoleta Andreescu\*,** Victor Dumitrascu, Anca Tudor, Liana Suciu, Radu Stefanescu, Maria Puiu **(\*autor corespondenta**) The Response to Atypical Antipsychotic Drugs in Correlation with the CYP2D6 Genotype: Clinical Implications and Perspectives Farmacia, 2014, vol. 62(6),1191-1201 ISSN 0014-8237 **IF=1.005**
6. Razvan Vladimir Socolov, **Nicoleta Ioana Andreescu**, Ana Maria Haliciu, Eusebiu Vlad Gorduza, Florentin Dumitrache, Raluca Anca Balan, Maria Puiu, Mihaela Amelia Dobrescu, Demetra Gabriela Socolov **(\* autor de corespondenta**) Intrapartum diagnostic of Roberts syndrome – case presentation Rom J Morphol Embryol 2015, 56(2):585–588 ISSN 1220-0522 **IF 0.811**
7. **Nicoleta Andreescu**, Laura Nussbaum, Lavinia Maria Hogea, Raluca Gradinaru, Calin Muntean, Radu Ștefanescu, Maria Puiu Antipsychotic treatment emergent adverse eventis in correlation with the pharmacogenetic testing and drug interations in children and adolescents with schizophrenia and bipolar disorder FARMACIA, 2016, 64(5):736-744 ISSN 0014-8237 **IF= 1.348**
8. **Nicoleta Ioana Andreescu**, Mirela Cosma, Simona Sorina Farcas, Monica Stoian, Daniela-Georgiana Amzar, Maria Puiu Assessment of chromosomal aneuploidies in sperm of infertile males by using FISH technique Rom J Morphol Embryol 2016, 57(1):173–178 ISSN 1220-0522 **IF=0.670**
9. Raluca Claudia Gradinaru, **Nicoleta Ioana Andreescu**\***,** Laura Alexandra Nussbaum, Simona Sorina Farcas, Victor Dumitrascu, Liana Suciu, Maria Puiu **(\*autor de corespondenta**),-759C/T polymorphism of the HTR2C gene is not correlated with atypical antipsychotics-induced weight gain, among Romanian psychotic patients Rom J Morphol Embryol 2016, 57(4):1–7 ISSN 1220-0522 **IF=0.670**
10. F Stoica, D Ionescu, A Heghes, C Trandafirescu, **N Andreescu**\*, A Tudor, Sebastian Olariu, Alina Stanciu, Mihaela Galea, Maria Puiu **(\*autor de corespondenta**) Vascular Endothelial Growth Factor Gene Polymorphism-Susceptibility Predictor for Severe Retinopathy of Prematurity? REVISTA DE CHIMIE 2016, 67 (12), 2522-2525 ISSN 2537-5733 **IF=1.232**
11. Dragoș Erdelean, Simona Sorina Farcaș, Vladimir Poroch, **Nicoleta Ioana Andreescu**\*, Izabella Erdelean, Andreea Iulia Dobrescu, Laura Alexandra Nussbaum, Lavinia Maria Hogea, Dan Navolan, Paul Tutac, Maria Puiu **(\*autor corespondenta)** Association between thrombophilia gene polymorphisms and recurrent pregnancy REV.CHIM., 2018, 69(11):3122-3125. ISSN 2537-5733 **IF=1.605**
12. Adela Chirita Emandi, Diana Munteanu, **Nicoleta Andreescu\*,** Paul Tutac, Corina Paul, Iulian Puiu Velea, Agneta Maria Pusztai, Victoria Hlistun, Chiril Boiciuc, Victoria Sacara, Lorina Vudu, Natalia Usurelu, Maria Puiu **(\*autor corespondenta**) No clinical utility of common polymorphisms in IGF1, IRS1, GCKR, PPARG, GCK1 and KCTD1 genes previously associated with insulin resistance in overweight children from Romania and Moldova Journal of Pediatric Endocrinology and Metabolism, 2018, <https://doi.org/10.1515/jpem-2018-0288> **IF=1.239**
13. Vlad Serafim, Diana-Andreea Tiugan, **Nicoleta Andreescu\***, Alexandra Mihailescu, Corina Paul, Iulian Velea, Maria Puiu, Mihai Dinu Niculescu **(\*autor corespondenta**) 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, 24, 360; doi:10.3390/molecules24020360 **IF=3.06**
14. Grădinaru R\*, **Andreescu N\***, Nussbaum L, Suciu L, Puiu M (**\* equal contribution**) Impact of the CYP2D6 phenotype on hyperprolactinemia development as an adverse event of treatment with atypical antipsychotic agents in pediatric patients. Ir J Med Sci. 2019 Feb 15. Doi: 10.1007/s11845-019-01985-x. **IF=1.031**
15. NOEMI MESZAROS, **NICOLETA IOANA ANDREESCU\***, SIMONA SORINA FARCAS, ANDREEA IULIA DOBRESCU, LAVINIA ELENA STELEA, ENDRE MATHE, ANCA PORUMB, MARIA PUIU **(\*autor corespondenta**) TERT Genotyping for Evaluation of Reproduction Failure REV. CHIM.(Bucharest 2019, 70(1): 195-198 **IF=1.412**
16. Farcas, Simona; **Andreescu, Nicoleta**\*; Amzar, Daniela; et al. (\*autor corespondenta) Cytogenetic Study of Spontaneous Abortions in the Western part of Romania REVISTA DE CHIMIE, 2019, 70(3): 1000-1004. IF=**1.605**
17. Serafim V, Chirita-Emandi A, **Andreescu N\***, Tiugan DA, Tutac P, Paul C, Velea I, Mihailescu A, Șerban CL, Zimbru CG, Puiu M, Niculescu MD. **(\*autor corespondenta**) 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). If= **4.17**
18. Chirita-Emandi A\*, **Andreescu N\***, Zimbru CG, Tutac P, Arghirescu S, Serban M, Puiu M. (**\* equal contribution**) Challenges in reporting pathogenic/potentially pathogenic variants in 94 cancer predisposing genes - in pediatric patients screened with NGS panels.Sci Rep. 2020 Jan 14;10(1):223. doi: 10.1038/s41598-019-57080-9. IF=**4.011**
19. Chirita-Emandi A, Serban CL, Paul C, **Andreescu N**\*, Velea I, Mihailescu A, Serafim V, Tiugan DA, Tutac P, Zimbru C, Puiu M, Niculescu MD **(\*autor corespondenta**) CHDH-PNPLA3 Gene-Gene Interactions Predict Insulin Resistance in Children with Obesity. Diabetes Metab Syndr Obes. 2020, 19(13):4483-4494 doi 10.2147/DMSO.S277268 IF=**3.168**
20. Alin Viorel Istodor, Laura-Cristina Rusu, Gratiela Georgiana Noja, Alexandra Roi, Ciprian Roi, Emanuel Bratu, Georgiana Moise, Maria Puiu, Simona Sorina Farcas, **Nicoleta Ioana Andreescu**\*An observational study on cephalometric characteristics and patterns associated with the Prader–Willi Syndrome: A structural equation modelling and network approach Applied Sciences 2021, 11 (7) 3177. doi 10.3390/app11073177 IF=**2.679**
21. Mihailescu, A.; Serafim, V.; Paul, C.; **Andreescu, N.**; Tiugan, D.-A.; Tutac, P.; Velea, I.; Zimbru, C.G.; Serban, C.L.; Ion, A.I.; David, V.L.; Ionescu, A.; Puiu, M.; Niculescu, M.D. 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**
22. Roi, A.; **Andreescu, N.I**.; Roi, C.I.; Negrut,iu, M.-L.; Sinescu, C.; Rivis, , M.; Boruga, M.V.; Rusu, L.-C. Comparative Analysis of COL9A1 Genotyping in Oral Squamous Cell Carcinoma Diagnosis: A Pilot Study. Appl. Sci. 2021, 11, 11102. https:// doi.org/10.3390/app112311102 IF=**2.679**

**Lucrari ISI coautor**

1. Valerica Belengeanu, Dorina Stoicanescu, **Nicoleta Andreescu**, Maria Constantinescu, Anca Muresan. Syndromic 46,XY disorder of sexual development. Acta endocrinologica Vol IV, No. 1, January-March, 2008. ISSN 1841-0987. IF=**0.052**
2. Valerica Belengeanu, Dorina Stoicanescu, Monica Stoian, **Nicoleta Andreescu**, Camelia Budisan. Icththyosis congenital, harlequin fetus type: a case report Advances in medical Science, vol 54(1), 2009, pp113-115. IF=**0.798**
3. V. Belengeanu, H. Viskari, J. Tallila, J. Lahtela, S. Farcas, **N. Andreescu**, M . Stoian, C.L. Bohiltea, and J.P. Fryns. Lethal evolution of a newborn with consistent Features of hydrolethalus syndrome –Romanian patient. Genetic Counseling, Vol. 22, No 3, 2011, pp 293-304. IF=**0.505**
4. Dorina Stoicănescu, Valerica Belengeanu, Monica Stoian, Nicoleta Andreescu, Edward Seclaman, Andrei Anghel, Alina Belengeanu Clinical value of molecular testing in patients with Wilson disease Valoarea clinică a testelor moleculare la pacienţii cu boala Wilson Revista Română de Medicină de Laborator, 2011,19(4):373-379 IF=0.091
5. Belengeanu V, Gamage TH, Farcas S, Stoian M, Andreescu N, Belengeanu A, Frengen E, Misceo D. A de novo 2.3Mb deletion in 2q24.2q24.3 in a 20-month-old developmentally delayed girl. Gene 2014 Apr 10;539(1):168-72 IF=2.138
6. Laura Alexandra Nussbaum, Victor Dumitrascu, Anca Tudor, Raluca Gradinaru, Nicoleta Andreescu, Maria Puiu Molecular Study of Weight Gain Related to Atypical Antipsychotics: Clinical Implications of the CYP2D6 Genotype Rom J Morphol Embryol, 2014, vol. 55(3), 877-884 ISSN 1220-0522 IF=0.659
7. Dumache R, Rogobete AF, Andreescu N, Puiu M. Genetic and Epigenetic Biomarkers of Molecular Alterations in Oral Carcinogenesis. Clin Lab. 2015;61(10):1373-81 IF=0.936
8. Laura Nussbaum, **Nicoleta Andreescu**, Lavinia Maria Hogea, Călin Muntean, Radu Ștefănescu, Maria Puiu Pharmacological and Clinical Aspects of Efficacy, Safety and Tolerability of Atypical Antipsychotic Medication in Child and Adolescent Patients with Schizophrenia and Bipolar Disorders Farmacia, 2016, vol. 64(6), 868-875 ISSN 0014-8237 **IF=1.348**
9. Laura Alexandra Nussbaum**,** Lavinia Maria Hogea, **Nicoleta Ioana Andreescu**, Raluca Claudia Grădinaru, Maria Puiu, Andrei Todica The Prognostic and Clinical Significance of Neuroimagistic and Neurobiological Vulnerability Markers in Correlation with the Molecular Pharmacogenetic Testing in Psychoses and Ultra High-Risk Categories Rom J Morphol Embryol, 2016, vol. 57(3), 959-967 ISSN 1220-0522 **IF=0.670**
10. Hogea LM, Nussbaum LA, Chiriac DV, Ageu LŞ, Andreescu NI, Grigoraş ML, Folescu R, Bredicean AC, Puiu M, Roşca ECI, Simu MA, Levai CM. Integrative clinico-biological, pharmacogenetic, neuroimagistic, neuroendocrinological and psychological correlations in depressive and anxiety disorders. Rom J Morphol Embryol. 2017;58(3):767-775. IF=0.912
11. LAURA NUSSBAUM, LAVINIA MARIA HOGEA, DANIELA CĂLINA, NICOLETA ANDREESCU, RALUCA GRĂDINARU, RADU ȘTEFĂNESCU, MARIA PUIU MODERN TREATMENT APPROACHES IN PSYCHOSES. PHARMACOGENETIC, NEUROIMAGISTIC AND CLINICAL IMPLICATIONS FARMACIA, 2017, 65(1):75-81. IF=1.507
12. Serafim V, Shah A, Puiu M, [Andreescu N](https://www.ncbi.nlm.nih.gov/pubmed/?term=Andreescu%20N%5BAuthor%5D&cauthor=true&cauthor_uid=28765873), Coricovac D, Nosyrev A, Spandidos DA, Tsatsakis AM, Dehelean C, Pinzaru. Classification of cancer cell lines using matrix-assisted laser desorption/ionization time‑of‑flight mass spectrometry and statistical analysis. Int J Mol Med. 2017 Oct;40(4):1096-1104. IF=2.784
13. DAN NAVOLAN, CRINGU ANTONIU IONESCU, ADRIAN CARABINEANU, FLORIN BIRSASTEANU, OCTAVIAN CRETU, FLORIN SZASZ, SIMONA VLADAREANU, IOANA CIOHAT, RAMONA GIDEA, DRAGOS NEMESCU, SIMONA FARCAS, NICOLETA ANDREESCU, SEBASTIAN SIMU, DANA STOIAN Influence of Weight of Pregnant Women on First Trimester Biochemical Markers Values REV.CHIM.(Bucharest), 2017,68(12)2836-2838. IF=1.412
14. Florina Stoica, Adela Chirita-Emandi, Nicoleta Andreescu, Alina Stanciu, Cristian G. Zimbru, Maria Puiu Clinical relevance of retinal structure in children with laser-treated retinopathy of prematurity versus controls – using optical coherence tomography Acta Ophthalmol, 2018: 96: e222–e228, doi: 10.1111/aos.13536. IF=3.153
15. LUMINIŢA ŞTEFANIA AGEU, CODRINA MIHAELA LEVAI, **NICOLETA IOANA ANDREESCU**, MIRELA LOREDANA GRIGORAŞ, LAVINIA MARIA HOGEA, DANIELA VERONICA CHIRIAC, ROXANA FOLESCU, ANA CRISTINA BREDICEAN, LILIANA MARIA NUSSBAUM, VIRGIL RADU ENĂTESCU, VLADIMIR POROCH, VIOREL LUPU, MARIA PUIU, LAURA ALEXANDRA NUSSBAUM Modern molecular study of weight gain related to antidepressant treatment: clinical implications of the pharmacogenetic testing Rom J Morphol Embryol 2018, 59(1):165–173 IF=**1.5**
16. FLORIN SZASZ, CODRINA LEVAI, DAN NAVOLAN, SIMONA FARCAS, **NICOLETA ANDREESCU**, FLORIN BIRSASTEANU, CLAUDIA MEHEDINTU\*, CRINGU ANTONIU IONESCU, ROXANA BOHILTEA, ADRIAN CARABINEANU, DRAGOS NEMESCU, SEBASTIAN SIMU, DANA STOIAN Weight of Pregnant Women and their Influence on Second Trimester Biochemical Markers REV.CHIM.(Bucharest), 2018, 69(2):529-532. IF=**1.605**
17. Cristian Jinca, Carmen Angela Maria Petrescu, Estera Boeriu, Andrada Oprisoni, Loredana Balint-Gib, Mihaela Baica, Cristina Popa, **Nicoleta Andreescu**, Margit Serban, Emilia Ursu, Smaranda Arghirescu The impact of immunological and biomolecular investigations on the outcome of children with acute lymphoblastic leukemia - experience of IIIrd Paediatric Clinic Timisoara Revista Română de Medicină de Laborator, 2018, 26(1)77-85 IF=**0.8**
18. Simona Farcas,Dragos Erdelean, Flavia Anne-Elise Szekely,Dan Navolan,**Nicoleta Andreescu**,Andreea Cioca A rare case of partial trisomy 8q24.12-q24.3 and partial monosomy of 8q24.3: Prenatal diagnosis and clinical findings Taiwanese Journal of Obstetrics & Gynecology 58 (2019) 36-39 IF=**1.2**
19. IULIUS JUGANARU, CONSTANTIN TUDOR LUCA, ANDREEA-IULIA DOBRESCU, OANA VOINESCU, MARIA PUIU, SIMONA FARCAS, **NICOLETA ANDREESCU**, MIRCEA IURCIUC A Non-invasive, Easy to Use Medical Device for Arterial Stiffness REV.CHIM.(Bucharest), 2019, 70(2):642-645. IF=**1.605**
20. Borcan F, Chirita-Emandi A, Andreescu NI, Borcan LC, Albulescu RC, Puiu M, Tomescu MC. Synthesis and preliminary characterization of polyurethane nanoparticles with ginger extract as a possible cardiovascular protector. Int J Nanomedicine. 2019 May 21;14:3691-3703. doi: 10.2147/IJN.S202049. IF=**4.471**
21. Alexandra Roi, Ciprian Ioan Roi, **Nicoleta Ioana Andreescu**, Mircea Riviş, Ioana Daniela Badea, Noemi Meszaros, Laura Cristina Rusu, Stela Iurciuc Oral cancer histopathological subtypes in association with risk factors: a 5-year retrospective studyRom J Morphol Embryol. 2020 Oct-Dec;61(4):1213-1220. doi: 10.47162/RJME.61.4.22. IF=**1.033**
22. Adriana Cojocaru, Lavinia Maria Hogea, Vladimir Poroch, Mihaela Adriana Simu, Virgil Radu Enatescu, Roxana Jeleriu, **Nicoleta Ioana Andreescu**, Maria Puiu, Bogdan Gheorghe Hogea, Mirela Grigoras, Roxana Folescu, Carmen Lăcrămioara Zamfir, Ileana Enatescu and Laura Alexandra Nussbaum Effectiveness of Psychostimulant and Non-Psychostimulant Drug Therapy in the Attention Deficit Hyperactivity Disorder Appl. Sci. 2021, 11, 502. Doi: 10.3390/app11020502 IF=**2.679**
23. Adela Chirita-Emandi, **Nicoleta Andreescu**, Cristina Popa, Alexandra Mihailescu, 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 Genetics2021; **58:**648-652. Doi 0.1136/jmedgenet-2020-107198 IF=**6.318**
24. Enache, A.; Ciocan, V.; Muresan, C.O.; Cut, T.G.; Novacescu, D.; Paul, C.; **Andreescu, N.;** Mihailescu, A.; Raica, M.; Dumache, R. Postmortem Documentation of SARS-CoV-2 in Utero and Postpartum Transmission, through Amniotic Fluid, Placental, and Pulmonary Tissue RT-PCR. Appl. Sci. 2021, 11, 9505. doi: 10.3390/app11209505 IF=**2.679**
25. MARIA CLAUDIA JURCĂ1,2), OANA ALEXANDRA IUHAS2), MARIA PUIU3,4), ADELA CHIRIŢĂ-EMANDI3,4), NICOLETA IOANA ANDREESCU3,4), CODRUŢA DIANA PETCHEŞI 1), ALEXANDRU DANIEL JURCĂ1), IOAN MAGYAR1), SÂNZIANA IULIA JURCĂ5), KINGA KOZMA1,2), EMILIA MARIA SEVERIN6), MARIUS BEMBEA2) Cardiofaciocutaneous syndrome – a longitudinal study of a case over 33 years: case report and review of the literature Rom J Morphol Embryol 2021, 62(2):in press, doi: 10.47162/RJME.62.2.y IF=**1.033**

**Lucrari BDI**

1. Nicoleta Andreescu, Dorina Stoicănescu, Alina Belengeanu, Simona Farcaş, Cristina Popa, Monica Stoian, Valerica Belengeanu.Unbalanced karyotype in a human foetus due to a recurrent familial translocation. Analele Universităţii din Oradea - Fascicula Biologie, Tom. XVII / 1, 2010, pp. 9-13.
2. Nicoleta Andreescu, Valerica Belengeanu, Simona Farcas, Monica Stoian, I. Cioata, Miruna Munteanu, Elena Bernad. Rapid prenatal diagnosis using fish on uncultured amniotic fluid cells and chorionic villus sampling – experience on 60 cases*.* Acta Medica Marisiensis. Volume 56 Number 3, 2010, pp 243-245. ISSN. 2068-3324.
3. Monica Stoian, Valerica Belengeanu, Marioara Boia, Nicoleta Andreescu, Simona Farcas, The role of fluorescence in situ hybridization in assessing the cytogenetically diagnosis in cryptical mosaicism aneuploidies, Jurnalul Pediatrului, Year X, Vol. X, Nr. 39-49, July-December 2007, pg 6-11.
4. Simona Farcas, Valerica Belengeanu, Monica Stoian, Dorina Stoicanescu, Cristina Popa, Nicoleta Andreescu CONSIDERATIONS REGARDING THE IMPLICATION OF POLYMORPHIC VARIANTS AND CHROMOSOMAL INVERSIONS IN RECURRENT MISCARRIAGE Jurnalul Pediatrului, Year X, Vol. X, Nr. 37-38, January-June 2007, pg 6-10.
5. Eli Ormerod, Valerica Belengeanu, Monica Stoian, Nicoleta Andreescu, Simona Farcas, Cristina Popa, Mariana Banateanu, Alina Belengeanu. Nijmegen breakage syndrome –clinico-cytogenetic pattern. Jurnalul Pediatrului, Year XII, Vol. XII, Nr. 45-46, January-June 2009, pg 19-24.
6. Monica Stoian, Valerica Belengeanu, Simona Farcas, Nicoleta Andreescu, Cristina Popa, Marioara Boia, Mihaita Opritescu, Eli Ormerod.Lejeune syndrome-a microdeletion syndrome-case report. Jurnalul Pediatrului, vol. XII, Nr. 47-48, July-December 2009, pg 16-19.
7. Noemi Meszaros, Dragoş Belengeanu, Dorina Stoicănescu, Nicoleta Andreescu, Simona Farcaş, Monica Stoian, Mariana Cevei.Analyses of numerical aberrations of chromosome 17 and TP53 gene deletion/amplification in human oral squamous cell carcinoma using dual-color fluorescence in situ hybridization Analele Universitatii din Oradea, Fascicula de Biologie TOM XVII/1, 2010, pag. 142-146.
8. Valerica Belengeanu, Marioara Boia, Simona Farcaş, Cristina Popa, Monica Stoian, Alina Belengeanu, Nicoleta Andreescu, Philippe Vago, Carole Goumy. Trisomy 8 mosaicism with atypical phenotypic features. Jurnalul Pediatrului – Year XIII, Vol. XIII, Nr. 51-52, july-december 2010, pg. 36-39.
9. Monica Stoian, Valerica Belengeanu, Maria Puiu, Natalia Cucu, Simona Farcas, Nicoleta Andreescu, D. Belegeanu. Clinical and genetic investigations of 20 patients evaluated for Prader-Willi syndrome. Acta Medica Marisiensis. Volume 56, Number 2, 2010 pp. 69-72. ISSN. 2068-3324.
10. Cristina A. Popa, Hortensia Ioniţă, Nicoleta Andreescu, Alina Belengeanu. Philadelphia chromosome in acute leukemia. Medicine in evolution. Volum XV, Nr. 2/2010 ISSN 2065-376X, pp 89-93.
11. *N*oémi Mészáros, Belengeanu Alina, Lazăr Elena, Cornianu Mărioara, Stoicănescu Dorina, Andreescu Nicoleta, Farcaș Simona, Stoian Monica, Popa Cristina.Correlation between expression of p53 mutant nuclear phosphoprotein, gene deletion and histopathological features in oral squamous cell carcinoma. Acta Medica Marisiensis. Volume 56 Number 4, 2010, pp 304-307. ISSN 2068-3324.
12. Catalina Giurgi-Oncu, Nicoleta Andreescu\*, Cristina Bredicean, Doriana Misceo, Alina Belengeanu The schizophrenia pattern: associations with the shank3 gene – a case presentation. Medicine in Evolution Volume XVII, No. 4, 2012. (\*autor corespondenta)
13. Simona Farcas, Valerica Belengeanu, Monica Stoian, Nicoleta Andreescu\*, Dragos Belengeanu, Marioara Boia. Variable prognosis in trisomy 18 (Edwards Syndrome) -3 clinical cases presentation Jurnalul Pediatrului-Year XVI, Vol. XVI, Nr. 61-62, january-june 2013. (\*autor corespondenta)
14. Raluca Gradinaru, Nicoleta Andreescu, Laura Nussbaum, Simona Farcas, Maria Puiu Pharmacogenetic aspects which influence the pharmacokinetic properties of atypical antipsychotics – preliminary study. Jurnalul Pediatrului, Year XVI, Vol. XVI, Nr. 64, october-december 2013
15. Ramona Albulescu, Florina Stoica, Nicoleta Andreescu, Maria Puiu Retinopathy of prematurity – risk factors for evolution. Jurnalul Pediatrului, Year XVI, Vol. XVI, Nr. 64, october-december 2013
16. Daniela NEDELCU, Nicoleta ANDREESCU\*, Estera BOERIU, Radu STEFANESCU, Smaranda ARGHIRESCU, Maria PUIU. Retrospective Study on Osteosarcoma and Ewing Sarcoma – Our Experience, MAEDICA – a Journal of Clinical Medicine, 2014; 9(2): 151-156 (\*autor corespondenta)
17. MIRELA COSMA, SIMONA FARCAS, NICOLETA ANDREESCU\*, CIPRIAN DORU CRISAN, OCTAVIA CIONCA, MARIA PUIU CORRELATIONS BETWEEN HETEROMORPHIC CHROMOSOMAL VARIANTS AND INFERTILITY Medicine in Evolution Volume XX, No. 2, 2014. (\*autor corespondenta).
18. MIRELA COSMA, SIMONA FARCAS, MONICA STOIAN, DANIELA AMZAR, NICOLETA ANDREESCU\*, MARIA PUIU MALE INFERTILITY-CYTOGENETIC FINDINGS IN A COHORT OF PATIENTS FROM WESTERN PART OF ROMANIA Medicine in Evolution Volume XX, No. 3, 2014 (\*autor corespondenta).
19. Florina STOICA; Corina LADARIU; Marie-Jeanne KOOS; Alina STANCIU; Gabriela OLARIU; Nicoleta ANDREESCU; Maria PUIU Refractive and Visual Outcome after Laser-Treated Retinopathy of Prematurity in Western Romania MAEDICA – a Journal of Clinical Medicine 2016; 11(6): 122-129
20. Andreea-Iulia DOBRESCU, Adela CHIRITA-EMANDI, Nicoleta ANDREESCU, Simona FARCAS, Maria PUIU Does the Genetic Cause of Prader-Willi Syndrome Explain the Highly Variable Phenotype? MAEDICA – a Journal of Clinical Medicine 2016; 11(3):191-197
21. Dobrescu AI, Cosma M, Andreescu N, Farcaș S, Puiu M. Prader Willi Like syndrome- the new medical challenge Jurnalul Pediatrului Jurnalul Pediatrului, 2014, XVII (67-68):20-24.
22. Stoica F, Andreescu N, Olariu G, Jianu G, Puiu M. GENETIC POLYMORPHISMS AND RETINOPATHY OF PREMATURITY. Jurnalul Pediatrului, 2014, XVII (67-68):61-66.
23. RALUCA GRADINARU\*, NICOLETA ANDREESCU\*, MARIA PUIU CYP2D6 ENZYMATIC DEFICIENCY AND EXTRAPYRAMIDAL SIDES EFFECTS IN AN AUTISTIC PATIENT TREATED WITH RISPERIDONE Fiziologia - 2016.26.1(89):9-12
24. Anca Amalia Udriste, Natalia Cucu, Rodica Talmaci, Cosmin Arsene, Daniela Nedelcu, Maria Puiu, Alina Musetescu, Sabina Zurac, Nicoleta Andreescu, Octaviana Adriana Dulamea, Ileana Constantinescu, Marius NiculescuMethylation-specific PCR method for MGMT coding gene silencing evaluation and its prognostic significance in alkylating antitumor treatment Biointerface Research in Applied Chemistry, 2016, 6(6):1717-1721
25. Anca Amalia Udriste, Natalia Cucu, Vlad Constantinescu, Lilia Matei, Octaviana Adriana Dulamea, Ileana Constantinescu, Maria Mirela Iacob, Maria Puiu, Nicoleta Andreescu, Cosmin Arsene, Marius Niculescu. MS-MLPA method for the analysis of the glioma tumor MGMT encoding gene promoter methylation: treatment predictive considerations Biointerface Research in Applied Chemistry, 2016, 6(6):1737 – 1742
26. Simona Sorina Farcas, **Nicoleta Ioana Andreescu**, Andreea Iulia Dobrescu, Adela Emandi Chirita, Delia Hutanu, Florin Dorneanu, Natalia Usurelu, Victoria Sacara, Maria Puiu OBESITY IMPACT ON REPRODUCTIVE FITNESS Jurnalul Pediatrului, 2018, XXI (81-82):58-63
27. 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
28. Iulia Maria Sabau, **Nicoleta Ioana Andreescu**, Adela Chiriță-Emandi, Iulia Jurca-Simina, Meda-Ada Bugi, Maria Puiu GENETICS IN ANOREXIA NERVOSA JURNALUL PEDIATRULUI – Year XXIV, Vol. XXIV, Nr. 93-94: 23-27
29. Iulia Maria Sabau, **Nicoleta Ioana Andreescu**, Adela Chiriță-Emandi, Iulia Jurca-Simina, Meda-Ada Bugi, Maria Puiu KETOGENIC DIET AND GENETIC DIS ORDERS JURNALUL PEDIATRULUI – Year XXIV, Vol. XXIV, Nr. 93-94: 28-33

**Brevete de invenţie şi alte titluri de proprietate industrial**

PROCEDEU CARE, UTILIZÂND MODELE NUTRIGENETICE, PERMITE IDENTIFICAREA ADULȚILOR CU OBEZITATE ȘI DISLIPIDEMIE CARE VOR RĂSPUNDE FAVORABIL LA TRATAMENT HIPOLIPEMIANT- nr. a 2020 00003

05.01.2022

**Selectie 10 relevante pentru realizările profesionale proprii**

1. Nicoleta Ioana Andreescu, Mirela Cosma, Simona Sorina Farcas, Monica Stoian, Daniela-Georgiana Amzar, Maria Puiu Assessment of chromosomal aneuploidies in sperm of infertile males by using FISH technique Rom J Morphol Embryol 2016, 57(1):173–178
2. Nicoleta Andreescu, Laura Nussbaum, Lavinia Maria Hogea, Raluca Gradinaru, Calin Muntean, Radu Ștefanescu, Maria Puiu ANTIPSYCHOTIC TREATMENT EMERGENT ADVERSE EVENTS IN CORRELATION WITH THE PHARMACOGENETIC TESTING AND DRUG INTERACTIONS IN CHILDREN AND ADOLESCENTS WITH SCHIZOPHRENIA AND BIPOLAR DISORDER FARMACIA, 2016, 64 (5): 736-744.
3. Laura Nussbaum, Nicoleta Andreescu, Lavinia Maria Hogea, Calin Muntean, Radu Stefanescu, Maria Puiu, Pharmacological and clinical aspects of efficacy, safety and tolerability of atypical antipsychotic medication in child and adolescents patients with schizophrenia and bipolar disorder, FARMACIA, 2016, 64(6):868-875
4. Farcas, Simona; **Andreescu, Nicoleta**\*; Amzar, Daniela; et al. (\*autor corespondenta) Cytogenetic Study of Spontaneous Abortions in the Western part of Romania REVISTA DE CHIMIE, 2019, 70(3): 1000-1004. IF=**1.605**
5. Serafim V, Chirita-Emandi A, **Andreescu N\***, Tiugan DA, Tutac P, Paul C, Velea I, Mihailescu A, Șerban CL, Zimbru CG, Puiu M, Niculescu MD. **(\*autor corespondenta**) 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). If= **4.17**
6. Chirita-Emandi A\*, **Andreescu N\***, Zimbru CG, Tutac P, Arghirescu S, Serban M, Puiu M. (**\* equal contribution**) Challenges in reporting pathogenic/potentially pathogenic variants in 94 cancer predisposing genes - in pediatric patients screened with NGS panels.Sci Rep. 2020 Jan 14;10(1):223. doi: 10.1038/s41598-019-57080-9. IF=**4.011**
7. Chirita-Emandi A, Serban CL, Paul C, **Andreescu N**\*, Velea I, Mihailescu A, Serafim V, Tiugan DA, Tutac P, Zimbru C, Puiu M, Niculescu MD **(\*autor corespondenta**) CHDH-PNPLA3 Gene-Gene Interactions Predict Insulin Resistance in Children with Obesity. Diabetes Metab Syndr Obes. 2020, 19(13):4483-4494 doi 10.2147/DMSO.S277268 IF=**3.168**
8. Alin Viorel Istodor, Laura-Cristina Rusu, Gratiela Georgiana Noja, Alexandra Roi, Ciprian Roi, Emanuel Bratu, Georgiana Moise, Maria Puiu, Simona Sorina Farcas, **Nicoleta Ioana Andreescu**\*An observational study on cephalometric characteristics and patterns associated with the Prader–Willi Syndrome: A structural equation modelling and network approach Applied Sciences 2021, 11 (7) 3177. doi 10.3390/app11073177 IF=**2.679**
9. Mihailescu, A.; Serafim, V.; Paul, C.; **Andreescu, N.**; Tiugan, D.-A.; Tutac, P.; Velea, I.; Zimbru, C.G.; Serban, C.L.; Ion, A.I.; David, V.L.; Ionescu, A.; Puiu, M.; Niculescu, M.D. 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**
10. Roi, A.; **Andreescu, N.I**.; Roi, C.I.; Negrut,iu, M.-L.; Sinescu, C.; Rivis, , M.; Boruga, M.V.; Rusu, L.-C. Comparative Analysis of COL9A1 Genotyping in Oral Squamous Cell Carcinoma Diagnosis: A Pilot Study. Appl. Sci. 2021, 11, 11102. https:// doi.org/10.3390/app112311102 IF=**2.679**