

Student Research Group on Pharmacology

Academic year 2025-2026

Acronym: **PharmaCOOL**

Research team

Group coordinators:

Prof. Vari Camil-Eugen, PhD



Prof. Ősz Bianca-Eugenia, PhD



Group members:

Lecturer Groșan Alexandra, PhD



Lecturer Jîtcă George, PhD



Laborant Băldean Mihaela

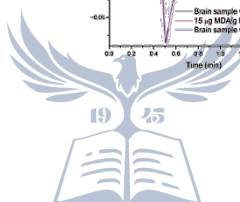
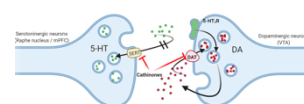
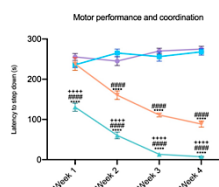
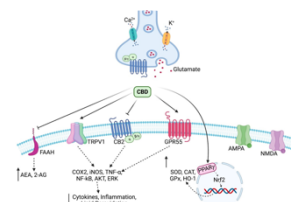
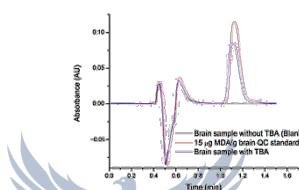
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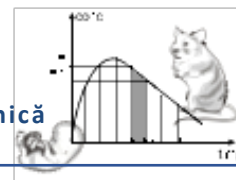
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Research topics:

- I. Oxidative stress
- II. Drugs efficacy and safety. Pharmacovigilence
- III. Reproductive toxicity
- IV. Pharmacology of natural compounds





Students currently involved:

4th Year of study, Pharmacy

Maier Ana-Natalia
Mehelean Ingrid Evelin
Ilaș Rebeca-Elena

5th Year of study, Pharmacy

Moldovan Daria
Todoran Crista

Second-year master's students (MFR)

Muntean Adriana
Panaïtescu Roxana
Pop (Baciu) Ana
Szabó Ünige
Muntean Adriana

Projects:

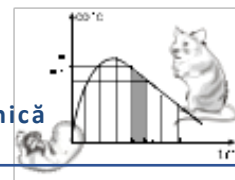
- Emerging Therapeutic Targets for Schizophrenia Treatment
- Cognitive Stimulant Use Among University Students
- Monoclonal Antibody Immunotherapy in Oncology
- Drug Interactions
- Pharmacovigilance Systems
- The Role of Artificial Intelligence in Pharmacovigilance

Relevant in extenso articles of the research team with student's contribution*:

Articles published in ISI-Indexed journals

1. Ősz B-E, Vari C-E, Sebestyen M*, Tero-Vescan A, Ștefănescu R. *Antibiotics in Paediatrics. A Questionnaire-Based Survey Regarding Basic Medical Knowledge and Parents' Attitudes*. Farmacia 2024; 72(2): 315-321, FI(2024)=1,3 (2024 Q4 PHARMACOLOGY & PHARMACY)
2. Ősz BE, Ștefănescu R, Tero-Vescan A, Sălcudean A, Boca CD*, Jîtcă G, Vari CE. *Medical Knowledge, Religious Beliefs, and Free Will: Attitudes and Opinions of Various Undergraduate Female Respondents Regarding Oral Contraception. A Questionnaire-Based Study*. Int J Environ Res Public Health. 2021 Mar 28;18(7):3502, IF(2021)=2,468 (2021 Q1 PHARMACOLOGY & PHARMACY)
3. Vari CE, Ősz BE, Perian M, Marusteri MS, Miklos A, Bosa P*, Tero-Vescan A. *Do aromatase inhibitors reduce fertility and impair sexual behaviour in an androgen doping model in rats*. Farmacia, 2017; 65(3):336-342, IF(2017)=1,507 (2017 Q4 PHARMACOLOGY & PHARMACY)
4. Ősz BE, Tero-Vescan A, Dogaru M, Vancea Sz, Imre S, Bosa P*, Vari CE. *Olanzapine transfer into sheep's milk. An animal model*. Farmacia, 2017; 65(5):677-682, IF(2017)=1,507 (2017 Q4 PHARMACOLOGY & PHARMACY)





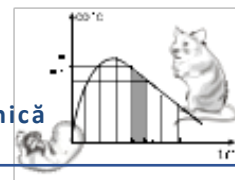
Articles published in BDI-Indexed journals

1. Jîtcă G*, Cîmpean T*, Tero-Vescan A, Vari CE, Filip C, Ősz BE. *Retrospective study on the frequency and causative mechanisms of chronic gastritis in an integrative medicine center in Târgu-Mureș*. Acta Medica Transilvanica, 2018; 23(3):67-69, EBSCO database journal.
2. Jîtcă G*, Tero-Vescan A, Miklos A, Vari CE, Ősz BE. *Differences in dietary supplements used by performance athletes and recreationally active individuals*. PM3. Civilization and Sport. 2018; 19(3):153-157, EBSCO database journal.
3. Jîtcă G*, Ősz BE, Vancea Sz, Miklos A, Tero-Vescan A. *LC-MS Method for Determining Amiodarone and Desethylamiodarone in Rat Plasma Used in Endogenous Overdosing Conditions Following Lipolysis*. Acta Medica Marisiensis, 2018; 64(3):111-115, EBSCO database journal.
4. Ősz BE, Tero-Vescan A, Imre S, Ciulea L, Bosa P*, Vari CE. *Reproductive function and menstrual cycle linked diet in sportswomen*. PM3. Civilization and Sport, January-March 2017, 18(1):42-45, EBSCO database journal.

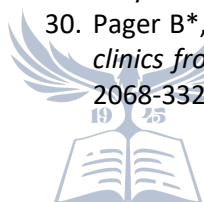
Relevant abstracts with student's contribution*:

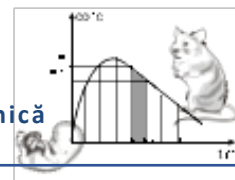
1. Buda E*, Pop AA*, Bucur S*, Chelaru I*, Borz RC*, Jîtcă G, Ősz BE. *Hyaluronidase efficacy in treating keloid scars, a case report*. Marisiensis. 27-31 March 2019. Acta Medica Marisiensis, 65(1): 117. ISBN: 2068 – 3324
2. Negroiu AI*, Vari CE, Farczadi L, Ștefănescu R. *The effects of Tribulus terrestris on testosterone levels of diabetic rats*. Marisiensis. 27-31 March 2019. Acta Medica Marisiensis, 65(1): 119. ISBN: 2068 – 3324
3. Moldovan O*, Ősz BE. *Osteoporosis – Comparative analysis between current and new therapeutic concepts*. Marisiensis. 27-31 March 2019. Acta Medica Marisiensis, 65(1): 128. ISBN: 978-973-0-21609-4
4. Moldovan O*, Morariu D*, Tero-Vescan A, Ősz BE. *Eating disorders caused by stress in rats. Correlations with the human species*. Marisiensis. Târgu Mureș, 28 mar-1 apr 2018, Acta Medica Marisiensis, 64(1):78. ISSN-L 2068-3324
5. Pop DM*, Ősz BE, Tero-Vescan A. *The neuroendocrine side effects of SSRI's - good or bad?* Marisiensis. Târgu Mureș, 28 mar-1 apr 2018, Acta Medica Marisiensis, 64(1):80. ISSN-L 2068-3324
6. Jîtcă G*, Tero-Vescan A, Ősz BE. *To be thin or not to be fat, that is the question!* Marisiensis. Târgu Mureș, 28 mar-1 apr 2018, Acta Medica Marisiensis, 64(1):81. ISSN-L 2068-3324
7. Pop AA*, Ősz BE, Filip C. *Functional foods with omega-3, perks of using swine brain in human diet*. Marisiensis. Târgu Mureș, 28 mar-1 apr 2018, Acta Medica Marisiensis, 64(1):82. ISSN-L 2068-3324
8. Morariu D*, Moldovan OL*, Tero-Vescan A, Ősz BE. *Glutamate: friend or foe? New biochemical metabolic aspects*. Marisiensis. Târgu Mureș, 28 mar-1 apr 2018, Acta Medica Marisiensis, 64(1):85. ISSN-L 2068-3324
9. Ardelean TD*, Tero-Vescan A, Ősz BE. *Drug-induced sexual dysfunction in men*. Marisiensis. Târgu Mureș, 28 mar-1 apr 2018, Acta Medica Marisiensis, 64(1):86. ISSN-L 2068-3324
10. Vari CE, Miklos A, Bosa P*, Ősz BE. *Boby image enhancing drugs – a new class of addictive drugs*. Zilele medicamentului ed. a XXV – a, Iași 2017, Lucrările conferinței, pg. 4, ISBN 978-973-8483-82-8
11. Ardelean TD*, Tero-Vescan A, Ősz BE. *Letrozole use as recommended by summary of product characteristics or off label*. Marisiensis. Târgu Mureș, 29 mar-2 apr 2017, Acta Medica Marisiensis, 63(1):132. ISSN-L 2068-3324
12. Jîtcă G*, Tero-Vescan A, Ősz BE. *Theoretical considerations on amiodarone and desetilamiodarone toxicity in lipolysis conditions*. Marisiensis. Târgu Mureș, 29 mar-2 apr 2017, Acta Medica Marisiensis, 63(1):132. ISSN-L 2068-3324





13. Qaisi S*, Ősz BE, Dogaru MT. *Clinically relevant interactions between antidepressants and other drugs*. Marisiensis. Târgu Mureș, 29 mar-2 apr 2017, Acta Medica Marisiensis, 63(1):83. ISSN-L 2068-3324
14. Radu G*, Ősz BE, Dogaru MT. *Olanzapine influence on sexual behavior in rats*. Marisiensis. Târgu Mureș, 29 mar-2 apr 2017, Acta Medica Marisiensis, 63(1):88. ISSN-L 2068-3324
15. Ardelean TD*, Miklos A, Tero-Vescan A, Ősz BE. *Metabolic differences between women and man in sports*. The 3rd International Sport Nutrition Conference, Târgu Mureș, Romania, 3-4 November 2017, Acta Medica Marisiensis, 63(3):63. ISSN-L 2068-3324
16. Jitca G*, Miklos A, Tero-Vescan A, Ősz BE. *Determination of caffeine content in dietary supplements for weight loss by a HPLC-UV method*. The 3rd International Sport Nutrition Conference, Târgu Mureș, Romania, 3-4 November 2017, Acta Medica Marisiensis, 63(3):66. ISSN-L 2068-3324
17. Moldovan OL*, Tero-Vescan A, Miklos A, Ősz BE, Filip C. *The use of soy proteins for junior athletes – between benefits and risks*. The 3rd International Sport Nutrition Conference, Târgu Mureș, Romania, 3-4 November 2017, Acta Medica Marisiensis, 63(3):67. ISSN-L 2068-3324
18. Bosa P, Dogaru M, Vari C. *The influence of aromatase inhibitors on androgen doping*. Marisiensis, 29 mar-2 apr 2017. Acta Medica Marisiensis, 63(1):86. ISSN-L 2068-3324
19. Vari CE, Ősz BE, Imre S, Miklos A, Maier A*, Tero-Vescan A. *Pre-screening of cytochrome P450 enzyme activity. Alternative analytical methods to pharmacogenetic studies*. Scientific Session of University Education Staff. Târgu Mureș. 8-9 dec 2016, Acta Medica Marisiensis, 62(8):81. ISSN-L 2068-3324
20. Șanta R*, Ősz BE. *Clinically relevant food-drug interactions*. Marisiensis. Târgu Mureș, 30 march-3 apr 2016, Acta Medica Marisiensis, 62(4):66. ISSN-L 2068-3324
21. Lungu IA*, Cotoi T, Dogaru MT, Ősz BE. *Risperidone's renal toxicity after chronic administration*. Marisiensis. Târgu Mureș, 30 march-3 apr 2016, Acta Medica Marisiensis, 62(4):91. ISSN-L 2068-3324
22. Rusz CA*, Imre A*, Pisoschi C, Dogaru M, Vari CE. *Body fat changes after chronic treatment with venlafaxine*. Târgu Mureș, 30 march-3 apr 2016, Acta Medica Marisiensis, 62(4):91. ISSN-L 2068-3324
23. Bosa P*, Andonie AD, Todoran Butila A*, Dogaru M, Vari C. *Factors that influence pediatric antiepileptic treatment efficacy: compliance, persistence and resistance to anticonvulsant medication*. Târgu Mureș, 30 march-3 apr 2016, Acta Medica Marisiensis, 62(4):91. ISSN-L 2068-3324
24. Braila AI*, Dogaru M, Vari C. *The pharmacotoxicological profile of modern neuroleptics determined through preclinical experiments*. Marisiensis. Târgu Mureș, 2015, Acta Medica Marisiensis, 61(3):85. ISSN-L 2068-3324
25. Pricopie AI*, Lungu IA*, Dogaru M, Vari C. *Amisulpride – an atypical antipsychotic?* Marisiensis. Târgu Mureș, 2015, Acta Medica Marisiensis, 61(3):86. ISSN-L 2068-3324
26. Huza C*, Ciupu M*, Dogaru M, Vari C. *Olanzapine-induced liver toxicity*. Marisiensis. Târgu Mureș, 2015, Acta Medica Marisiensis, 61(3):86. ISSN-L 2068-3324
27. Miklos A*, Rusz CM*, Dogaru M, Vari C. *Hyperprolactinemia and modern antipsychotics ?* Marisiensis. Târgu Mureș, 2015, Acta Medica Marisiensis, 61(3):87. ISSN-L 2068-3324
28. Branea OE*, Vari CE, Dogaru M. *Are students able to use self-medication correctly? An assessment regarding the prevalence of self-administrated drugs among UMF students*. Marisiensis. Târgu Mureș, 7–11 May 2014, Acta Medica Marisiensis, 60(3):11. ISSN-L 2068-3324
29. Cioban OD*, Dobrin D*, Ősz BE, Dogaru M. *Is olanzapine safe in pregnancy?* Târgu Mureș, 7–11 May 2014, Acta Medica Marisiensis, 60(3):112. ISSN-L 2068-3324
30. Pager B*, Stoica A*, Suba DI*, Vari C. *"Off-label" medication use in endocrinology and pediatrics II clinics from Tirgu Mures*. Târgu Mureș, 7–11 May 2014, Acta Medica Marisiensis, 60(3):15. ISSN-L 2068-3324





31. Grosan A*, Cucean A*, Vari CE, Osz BE. *Fluoxetine transfer into breast milk in sheep*. Târgu Mureș, 7–11 May 2014, Acta Medica Marisiensis, 60(3):114. ISSN-L 2068-3324
32. Mititelu V*, Calin R*, Vari C E. *Etnobotanicals - sintetic obtained plants. Farmacotoxicological analysis, social implications*. Târgu Mureș, 7–11 May 2014, Acta Medica Marisiensis, 60(3):117. ISSN-L 2068-3324

