



## Student research group on pharmacology

### Academic year 2021-2022

#### Acronym: PharmaCOOL

#### Research team:

Group coordinators: Prof. Vari Camil-Eugen PhD, Associate prof. Ósz Bianca-Eugenia PhD

Lecturer Dörgös-Groșan Alexandra, PhD

Teaching assistant Jîtcă George, PhD student

Laborant Băldean Mihaela

#### Contact:

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Students currently involved: -

#### Research topics:

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

**Relevant in extenso articles of the research team (as main authors: first author, corresponding author, and last author) with student's contribution\*:**

#### ISI

1. Ósz 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 (2019 Q1 PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH)
2. Vari CE, Ósz 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)
3. Ósz 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)





## BDI

1. Jîtcă G\*, Cîmpean T\*, Tero-Vescan A, Vari CE, Filip C, Ósz 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, Ósz 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\*, Ósz BE, Vancea Sz, Miklos A, Tero-Vescan A. LC-MS Method for Determining Amiodarone and Desethylaminodarone in Rat Plasma Used in Endogenous Overdosing Conditions Following Lipolysis. *Acta Medica Marisiensis*, 2018; 64(3):111-115, EBSCO database journal.
4. Ósz 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, Ósz BE. Hyaluronidase efficacy in treating keloid scars, a case report. *Marisiensis*. 27-31 March 2019. *Acta Medica Marisiensis*, 65(1): 117. ISBN: 2068 – 332468 – 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\*, Ósz 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, Ósz 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\*, Ósz BE, Tero-Vescan A. The neuroendocrine side effects of SSRIs - 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, Ósz 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\*, Ósz 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, Ósz 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, Ósz 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\*, Ósz BE. Body 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, Ósz 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, Ósz 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\*, Ósz 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\*, Ósz 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, Ósz 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, Ósz 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, Ósz 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, Ósz 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\*, Ósz 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, Ósz 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\*, Osz 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

