

## Activitate științifică

**Vlad Robert-Alexandru**

- a) **Titlul tezei de doctorat:** Obținerea de preparate orodispersabile cu canabidiol, 2022, conducător științific: Prof. dr. Daniela-Lucia Muntean, Universitatea de Medicină, Farmacie, Științe și Tehnologie „George Emil Palade” din Târgu Mureș, calificativ: Excelent - Summa Cum Laude, *Ordinul Ministrului Educației: 6275/21.11.2022*, privind atribuirea titlului de doctor.
- b) **Cărți de specialitate:** **Vlad RA.** Ciurba A. Antonoaea P. Utilizarea sistemelor expert SeDeM, SeDeM-ODT și SeDeM-SLA la dezvoltarea de noi preparate farmaceutice, Editura University Press, 98, ISBN 978-606-581-181-2, Cod 210.
- c) **Capitole în volume colective:** -
- d) **Articole publicate in extenso:**
- 1) **Articole în reviste cotate ISI cu factor de impact**
1. Redai EM. Sipos E.\* **Vlad RA.** Antonoaea P. Todoran N. Ciurba A. *Development of Co-amorphous loratadine-Citric Acid Orodispersible Drug Formulations*. Processes 2022, 10, 2722. **FI: 3,352**. <https://doi.org/10.3390/pr10122722>. Coautor.
  2. Pinte A.<sup>†</sup> **Vlad RA.**<sup>†</sup> Antonoaea P.\* Réдай EM. Todoran N. Barabás EC. Ciurba A. *Structural Characterization and Optimization of a Miconazole Oral Gel*. Polymers, 2022, 14, 5011. **FI: 4,967**. <https://doi.org/10.3390/polym14225011>. <sup>†</sup> Primi autori cu contribuție egală.
  3. Bîrsan M. Gore E. Stan CD. Cristofor AC. Palimariciuc M. Scripcariu S-I. Antonoaea P. **Vlad RA.** Todoran N. Ciurba A. *Development and evaluation of hydrophilic cream bases suitable for custom cosmetic skincare or compounding pharmaceutical dermal products*. Farmacia, 2022, 70(5): 880-889. **FI: 1,55**. <https://doi.org/10.31925/farmacia.2022.5.13>. Coautor.
  4. Antonoaea P. Ciurba A. **Vlad RA.** Redai E. Todoran N, Cârje AG. *A new High performance Liquid chromatography for the determination of indomethacin from transdermal therapeutic systems*. STUDIA UBB CHEMIA, LXVII, 3, 2022 (p. 101-108), DOI:10.24193/subbchem.2022.3.07. **FI: 0,558**. Coautor.
  5. **Vlad RA.** Antonoaea P. Todoran N. Réдай, EM. Bîrsan M. Muntean DL. Imre S. Hancu G. Farczádi L. Ciurba A. *Development and Evaluation of Cannabidiol Orodispersible Tablets Using a 2<sup>3</sup>-Factorial Design*. Pharmaceutics 2022, 14, 1467. **FI: 6,525**. <https://doi.org/10.3390/pharmaceutics14071467>. Autor principal.
  6. Réдай EM. Kovács O. Szabó ZI. Gergely A. Antonoaea P. Todoran N. Ciurba A. **Vlad RA.** Dónáth-Nagy G. Sipos E. *Fluoxetine containing pvp-based electrospun nanofibers*, Acta Poloniae Pharmaceutica – Drug Research, 2021, 78 (4): 563–571, 10.32383/appdr/142072, ISSN 2353-5288, **FI 0,33**. Coautor.
  7. Bîrsan M, Drăgan M, Stan CD, Cristofor AC, Palimariciuc M, Stan CI, Scripcariu S-I, Antonoaea P, **Vlad RA**, Ciurba A – *Patient satisfaction regarding compounded pharmaceutical products and implication on pharmaceutical practice management*, Farmacia, 2021, 69(4), 806-812, ISI, **FI = 1,55**. (Coautor).

8. **Vlad RA**, Antonoaea P, Todoran N, Muntean DL, Redai EM, Silasi OA, Tătaru A, Bîrsan M, Imre S, Ciurba A – *Pharmacotechnical and analytical preformulation studies for cannabidiol orodispersible tablets*, Saudi Pharmaceutical Journal, 29(9), 2021, 1029-1042. <https://doi.org/10.1016/j.jsps.2021.07.012>. **FI: 4,562**. Autor principal.
9. **Vlad RA**, Farczadi L, Toma C-M, Imre S, Antonoaea P, R  dai EM, Muntean D-L, Ciurba A – *Cannabidiol content evaluation in Commercial Dietary Supplements and Stability in Oil Vehicle*, Studia UBB Chemia, LXVI, 2, 2021, 299-308. **FI: 0,558**. Autor principal.
10. R  dai EM, R  duly I, Szab   Z-I, Ciurba A, Todoran N, Antonoaea P, **Vlad RA**, Peterfi O, Sipos E – *Preparation and characterization of atorvastatin – loaded polyvinylpyrrolidone – based electrospun microfibrinous mats*, Studia UBB Chemia, LXVI, 2, 2021, 287-297. **FI: 0,558**. Coautor.
11. **Vlad RA**. Sovany T. Krist   K. Ibrahim Y. H-E. Y. Ciurba A. Aigner Z. Muntean D-L. Regdon G – *Structural and thermal analysis of cannabidiol orodispersible formulations*, Farmacia, 2021; 69(3): 426-433, <https://doi.org/10.31925/farmacia.2021.3.5>, **FI: 1.55**. Autor principal.
12. Redai EM. Antonoaea P. Todoran N. **Vlad RA**. B  rsan M. T  taru A. Ciurba A. - *Development and Evaluation of Fluoxetine Fast Dissolving Films: An Alternative for Noncompliance in Pediatric Patients*, Processes, 2021, 9, 778. eISSN: 2227-9717, ISI, **FI: 3,352**. <https://doi.org/10.3390/pr9050778>. Coautor.
13. Antonoaea P. Redai EM. B  rsan M. T  taru A. Todoran N. **Vlad RA**. Muntean D-L. Ciurba A. – *Dissolution kinetic of meloxicam from hydrophilic matrix-type for transdermal therapy*, Farmacia, 2021, 69, 100-106, ISSN 0014-8237, ISI, **FI: 1,55**, Coautor.
14. Ciurba A. Antonoaea P. Todoran N. Redai E. **Vlad RA**. T  taru A. Muntean D-L. B  rsan M. - *Polymeric Films Containing Tenoxicam as Prospective Transdermal Drug Delivery Systems: Design and Characterization*, Processes, 2021, 9, 136, eISSN: 2227-9717, ISI, **FI: 3,352**, <https://doi.org/10.3390/pr9010136>. coautor.
15. **Vlad RA**. Hancu G. Ciurba A. Antonoaea P. Redai EM. Todoran N. Sila  i O. Muntean DL. *Cannabidiol – therapeutic and legal aspects*, die Pharmazie 2020, 75, 463-469, ISSN 0031-7144, ISI, **FI: 1,267**, Autor principal.
16. B  rsan M. Cristofor AC. Antonoaea P. Todoran N. Bibire N. Pananinte AD. **Vlad RA**. Grigore M. Ciurba A. *Evaluation of miconazole nitrate permeability through biological membrane from dermal systems*. Farmacia, 2020, 68(1): 111-115, ISSN 0014-8237, ISI, **FI: 1,433**, Coautor.
17. Antonoaea P. B  rsan M. Todoran N. Redai E. **Vlad RA**. Muntean DL. Rusu A. Ciurba A. Comparative analysis of the performance of indomethacin from transdermal therapeutic systems. Farmacia, 2020, 68(6): 1029-1035, ISSN 0014-8237, ISI, **FI: 1,433**, Coautor.
18. Todoran N. Ciurba A. Vancea S. Vari CE. Dogaru MT. T  urean A. Muntean DL. **Vlad RA**. Gligor F. *Bioavailability of valproate suppositories formulated for paediatric use*, Farmacia, 2017, 65(5): 741-747, ISSN 0014-8237 (print), ISSN 2065-0019 (on-line), **FI: 1,507**, Coautor.
19. Tilinca M. Hancu G. Mircia E. Iriminescu D. Rusu A. **Vlad RA**. Barab  s E. *Simultaneous determination of isoniazid and rifampicin by UV spectrophotometry*. Farmacia, 2017, 65(2): 219-224, ISSN 0014-8237 (print), ISSN 2065-0019 (on-line), **FI: 1,507**, Coautor.

20. Hancu G. Hilochie A. **Vlad RA.** Cârje A. Tero-Vescan A. *Enantiomeric separation of sibutramine by capillary zone electrophoresis*. Journal of the Brazilian Chemical Society, 2016, 26(7): 1116-1120, ISSN 1678-4790 (online), ISSN 0103-505 (print), ISI, **FI: 1,198**, Coautor.

## 2) Articole în reviste cotate ISI, fără factor de impact

1. **Vlad RA.** Hancu G. Popescu GC. Lungu IA. *Doping in sports, a never-ending story?* APB, 2018, 8(3):529-534, ISSN: 2228-5881 eISSN: 2251-7308, **IF=0**, Autor principal.

## 3) Articole în reviste indexate BDI

1. Bîrsan M, Stan CD, Focşa AV, Dănilă AT, Antonoaea P. **Vlad RA.** Todoran N. Stan RT. Gore E. Crivoi F. Ciurba A. *Influence of Carbopol 971 NF on flow rate and swelling parameters in antifungal tablets*. Med. Surg. J. – Rev. Med. Chir. Soc. Med. Nat., Iaşi 2022, 126(3): 443-451. doi: 10.22551/MSJ.2022.03.17. indexat Web of Science: <https://www.webofscience.com/wos/woscc/full-record/WOS:000869964700017>, **Co-autor**.
2. Redai EM. Antonoaea P. **Vlad RA.\*** Todoran N. Sipos E. Ciurba A. *Formulation and study of rectal ibuprofen mucoadhesive hydrogels*. Med. Surg. J. – Rev. Med. Chir. Soc. Med. Nat., Iaşi 2022, 126(3): 452-457. doi: 10.22551/MSJ.2022.03.18. indexat Web of Science: <https://www.webofscience.com/wos/woscc/full-record/WOS:000869964700019>, **Autor de corespondență**.
3. Antonoaea P. **Vlad RA.\*** Redai E. Todoran N. Bîrsan M. Ciurba A. *Development and evaluation of indomethacin liposomal systems*, Med. Surg. J. – Rev. Med. Chir. Soc. Med. Nat., Iaşi 2022, 126(3): 436-442, doi: 10.22551/MSJ.2022.03.16. indexat Web of Science. <https://www.webofscience.com/wos/woscc/full-record/WOS:000869964700016>. **Autor de corespondență**.
4. Bîrsan M. Stan CD, Focşa AV. Popovici D. Dănilă AT. Antonoaea P. **Vlad RA.** Todoran N. Ciurba A. *Biomimetic complex cream formulation, properties, tolerance and moisturizing effectiveness on skin*, Med. Surg. J. 2022;126(2):281-290. doi: 10.22551/MSJ.2022.02.17. indexat Web of Science: <https://www.webofscience.com/wos/woscc/full-record/WOS:000829967200017>. **Coautor**.
5. **Vlad RA.** Antonoaea P.\* Redai E-M. Muntean D-L. Todoran N. Bîrsan M. Tătaru A. Ciurba A - *Soy polysaccharides therapeutic and technological aspects*, AMM. 2021;67(4):199-203. indexat Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85124019576&origin=resultslist&sort=plf-f>, **Autor principal**.
6. **Vlad RA.** Trifan E-B. Antonoaea P. Redai E-M. Kovacs B. Todoran N. Tătaru A. Ciurba A – *Developing and evaluation of orodispersible tablets containing caffeine*, Ro J Pharm Pract. 2021;14(1):34-40, ISSN 2066-5563, e-ISSN 2069-6671, indexat DOAJ: <https://doaj.org/article/dc98c2b423454176a3f5a9f36c195066>, Autor principal.
7. Antonoaea P. Todoran N. Redai E. **Vlad RA\***. Bîrsan M. Rusu A. Ciurba A - *Ibuprofen in the current practice of the pharmacist in the community pharmacy*, Romanian Journal of Pharmaceutical Practice, 2020, XIII(3): 115-120, ISSN 2066-5563, e-ISSN 2069-6671, indexat DOAJ: <https://doaj.org/article/5f6ce9f7212645678496989d99a16fe8>, Autor de corespondență.

8. Todoran N, Antonoaea P, Redai E, **Vlad RA**, Bîrsan M, Ciurba A – *The influence of hydrogen peroxide on the rheological behavior of Ultrez-21 gels*, Romanian Journal of Pharmaceutical Practice, XIII(3): 139-146, ISSN 2066-5563, e-ISSN 2069-6671, indexat: DOAJ: <https://doaj.org/article/8b955324f6dc4fe79ab70121bc1ec86d>, Coautor.
9. Rédei E, Péter C, Kovács B, Ciurba A, Todoran N, Antonoaea P, **Vlad RA**, Sipos E. Nebivolol-hidroklorid tartalmú orodiszperz tabletták formulálása és vizsgálata. Formulation and study of nebivolol containing orodispersable tablets. Orvostudományi Értesítő, Bulletin of medical sciences, 2020, 93(1): 27-32, doi: 10.2478/orvtudert-2020-0001, ISSN: 1453-0953. Indexat: Sciendo. <https://sciendo.com/it/article/10.2478/orvtudert-2020-0001>
10. **Vlad RA**, Farczadi L, Imre S, Ciurba AD, Todoran N, Redai E, Antonoaea P, Muntean DL. *New UHPLC Method for Cannabidiol Determination in hard capsules*, 2019, 65(2): 45-48, ISSN: 2668-7755, eISSN: 2668-7763, indexat: Sciendo, <https://sciendo.com/it/article/10.2478/amma-2019-0007>, Autor principal.
11. Antonoaea P, Cârje AG, Ciurba A, Todoran N, **Vlad RA**, Muntean DL. *Validation of High-Performance Liquid Chromatography Methods for Determination of Meloxicam and Tenoxicam from Transdermal Therapeutic Systems*, 2017, 63(4): 178-182, ISSN: 2668-7755, eISSN: 2668-7763, indexat: Sciendo. <https://sciendo.com/it/article/10.1515/amma-2017-0033>, Coautor.
12. Vlad RE, Tilinca M, Mircia E, **Vlad RA**, Stăcescu Ș, Hancu G, Tănase C, Monea M, Băncescu G. *Phenotypic characterization of gram-positive cocci strains isolated from infections localized in the oro- maxillo-facial sphere*, Annals of the Romanian Society for Cell Biology, 2017, 21(2): 23-27, ISSN: 1583-6258, indexat: Scopus, **Coautor**.  
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85037636569&origin=resultslist&sort=plf-f>,
13. **Vlad RA**, Hancu G, Kelemen H, Ciurba D, Tero-Vescan A. *Analytical methodologies for the stereoselective determination of sibutramine: an overview*, Acta Medica Marisiensis, 2017, 63(2): 52-55, ISSN: 2668-7755, eISSN: 2668-7763, indexat: Sciendo, <https://sciendo.com/it/article/10.1515/amma-2017-0021>, **Autor principal**.
14. **Vlad RA**, Lungu A. *Can a person with attention deficit disorder be an athlete?*, Acta Medica Marisiensis, 2017, 63(2): 110-114, ISSN: 2668-7755, eISSN: 2668-7763, indexat: Sciendo, <https://sciendo.com/it/article/10.1515/amma-2017-0030>, **Autor principal**.
15. Mircia E, Tănase C, **Vlad RA**, Hancu G, Kelemen H, Tilinca M. *Capillary electrophoresis in the analysis of hypolipidemic drugs*, Studia Universitatis "Vasile Goldiș" Seria Științele Vieții, 2016, 26(4): 403-409, ISSN: 1584-2363, e-ISSN: 1842-7863, indexat Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85015032798&origin=resultslist&sort=plf-f>, **Coautor**.
16. Modroiu A, Hancu G, **Vlad RA**, Stăcescu Ș, Soare R, Kelemen H. *Simultaneous determination of amlodipine and telmisartan from pharmaceutical products by capillary electrophoresis*, Current Issues in Pharmacy and Medical Sciences. 2016, 29(1): 42-45, ISSN 2084- 980X, eISSN 2300-6676, indexat Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-84971595300&origin=resultslist&sort=plf-f>, Coautor.

#### e) Articole publicate în rezumat

1. Kisgyorgy S, Antonoaea P, **Vlad RA**. Development and evaluation of new vesicular drug delivery systems containing indomethacin, International Congress for students, Young Doctors and Pharmacists, Marisiensis, 4th-8th May 2022, Târgu Mureș, Romania, Book of abstracts, Acta Marisiensis - Seria Medica, Volume 68, Supplement 3, ISSN: 2668-7755, eISSN: 2668-7763.
2. Coaicea M, **Vlad RA**. Antonoaea P. New polymeric formulations of caffeine energy thin films, International Congress for students, Young Doctors and Pharmacists, Marisiensis, 4th-8th May 2022, Târgu Mureș, Romania, Book of abstracts, Acta Marisiensis - Seria Medica, Volume 68, Supplement 3, ISSN: 2668-7755, eISSN: 2668-7763.
3. Chirteș D, **Vlad RA**, Ciurba A. Development and pharmacotechnical evaluation of drotaverine orodispersible tablets, International Congress for students, Young Doctors and Pharmacists, Marisiensis, 4th-8th May 2022, Târgu Mureș, Romania, Book of abstracts, Acta Marisiensis - Seria Medica, Volume 68, Supplement 3, ISSN: 2668-7755, eISSN: 2668-7763.
4. Șulea D, Roman F-E, Pozna I, Șulea IP. Cristia I-M. **Vlad RA**. Antonoaea P. Safety of dermatocosmetics during pregnancy, International Congress for students, Young Doctors and Pharmacists, Marisiensis, 4th-8th May 2022, Târgu Mureș, Romania, Book of abstracts, Acta Marisiensis - Seria Medica, Volume 68, Supplement 3, ISSN: 2668-7755, eISSN: 2668-7763.
5. Mihalcea FM, **Vlad RA**, Ciurba A. Developing a new co-processed excipient. Evaluation of the excipient through SeDeM expert system, International Congress for students, Young Doctors and Pharmacists, Marisiensis, 4th-8th May 2022, Târgu Mureș, Romania, Book of abstracts, Acta Marisiensis - Seria Medica, Volume 68, Supplement 3, ISSN: 2668-7755, eISSN: 2668-7763.
6. Gavrilă AG, Ciurba A, **Vlad RA**. Development areas of nanotechnology. Types of nanoparticles and their characterisation, International Congress for students, Young Doctors and Pharmacists, Marisiensis, 4th-8th May 2022, Târgu Mureș, Romania, Book of abstracts, Acta Marisiensis - Seria Medica, Volume 68, Supplement 3, ISSN: 2668-7755, eISSN: 2668-7763.
7. Ciobotaru AM, Rédai EM, Tătaru AM, **Vlad RA**, Antonoaea P, Gavrilă GA, Ciurba A. Formulation and evaluation of a new thermosensitive gel formulation for the treatment of periodontal disease, Congresul Național de Farmacie, ediția a XVIII-a, ISBN: 978-606-10-2144-4, 15-17 septembrie, 2021, Oradea, România.
8. Antonoaea P, **Vlad RA**, Silași O, Rédai EM, Bîrsan M, Tătaru A, Gavrilă A, Ciurba A. Developing and evaluating a new skincare moisturizer cream: the benefits of a combination of vitamins and active phytocomplexes, Congresul Național de Farmacie, ediția a XVIII-a, ISBN: 978-606-10-2144-4, 15-17 septembrie, 2021, Oradea, România.
9. **Vlad RA**, Farczadi L, Imre S, Toma C, Muntean DL, Antonoaea P, Rédai EM, Tătaru A, Bîrsan M, Ciurba A. Development of an HPLC-UV Method for the Assessment of Cannabidiol in Orodispersible Matrixes. Congresul Național de Farmacie, Ediția a XVIII-a, Oradea, 15-17 septembrie 2021, ID: 133, p. 166, ISBN: 978-606-10-2144-4.
10. Rédai EM, Rétyi Z, **Vlad RA**, Todoran N, Antonoaea P, Ciurba A, Sipos E. Pharmaceutical formulation analysis of gelatin-based soft form with loratadine. Congresul Național de Farmacie, Ediția a XVIII-a, Oradea, 15-17 septembrie 2021, ID: 176, p. 171, ISBN: 978-606-10-2144-4.

11. Bîrsan M, Stan CD, Drăgan M, Antonoaea P, **Vlad RA**, Gavrilă GA, Tătaru A, Ciurba A. Determination of the rheological characteristics of a cosmetic gel according to the traditional/industrial preparation, Congresul Național de Farmacie, Ediția a XVIII-a, Oradea, 15-17 septembrie 2021, ID: 176, p. 171, ISBN: 978-606-10-2144-4.
12. Gavrilă AG, Ciurba A, Vlad RA, Antonoaea P, Bîrsan M, Ciubotaru AM. Rheological characterization of new naproxene bigels. International Congress for students, Young Doctors and Pharmacists, Marisiensis, 12th-16th May 2021, Târgu Mureș, Romania, Book of abstracts, Acta Marisiensis - Seria Medica, Volume 67, Supplement 1, ISSN: 2668-7755, eISSN: 2668-7763.
13. **Vlad RA**, Antonoaea P, Todoran N, Rédai EM, Muntean D-L, Bîrsan M, Ciurba A. Development and evaluation of cannabidiol orodispersible tablets using a  $2^3$  factorial design, George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures University Days, December 8<sup>th</sup>, 2021, Târgu Mureș, The 14<sup>th</sup> Conference of PhD Students and Young Doctors, Târgu Mureș, România. ISSN 2602-1609 (print și online).
14. Bîrsan M, Stan CD, Drăgan M, Antonoaea P, **Vlad RA**, Todoran N, Ciurba A, Determination of the rheological and texture characteristics of a cosmetic cream. International Congress for students, Young Doctors and Pharmacists, Marisiensis, 12th-16th May 2021, Târgu Mureș, Romania, Book of abstracts, Acta Marisiensis - Seria Medica, Volume 67, Supplement 1, ISSN: 2668-7755, eISSN: 2668-7763.
15. Arapan O, **Vlad RA**, Ciurba A. Development and evaluation of caffeine granules by wet granulation, International Congress for students, Young Doctors and Pharmacists, Marisiensis, 12th-16th May 2021, Târgu Mureș, Romania, Book of abstracts, Acta Marisiensis - Seria Medica, Volume 67, Supplement 1, ISSN: 2668-7755, eISSN: 2668-7763.
16. Ciobanu FIO. **Vlad RA**. Ciurba A. *Development and evaluation of drotaverine suppositories*, International Congress for students, Young Doctors and Pharmacists, Marisiensis, 25<sup>th</sup>-29<sup>th</sup> March 2020, Târgu Mureș, Romania, Book of abstracts, Acta Marisiensis - Seria Medica, Volume 66, Supplement 3, ISSN: 2668-7755, eISSN: 2668-7763.
17. Berteau BA. Antonoaea P. **Vlad RA**. Nanoparticles used for intranasal vaccine delivery, International Congress for students, Young Doctors and Pharmacists, Marisiensis, 25-29th March 2020, Târgu Mureș, Romania, Book of abstracts, Acta Marisiensis - Seria Medica, Volume 66, Supplement 3, ISSN: 2668-7755, eISSN: 2668-7763.
18. **Vlad RA**, Regdon G Jr, Sovány T, Kristó K, Ibrahim YHEY, Ciurba A, Muntean DL. Development and Optimization of Cannabidiol Orodispersible Films, George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures University Days, December 9th to 14th, 2019, Târgu Mureș, The 12th Conference of PhD Students and Young Doctors. ISSN: 2602-1609.
19. Redai EM. Antonoaea P. **Vlad RA**. Todoran N. Ciurba A, Sipos E. *Preformulation studies of clopidogrel containing polymer based microfibers*. The 12th Edition of the Biopharmacy-Pharmacokinetics & Industrial Pharmacy Symposium November 8th, 2019, Cluj-Napoca. ISSN: 2668-1250.
20. Bîrsan M, Antonoaea P, **Vlad RA**, Silași O, Todoran N, Rusu A, Ciurba A. *Testing the Clinical effectiveness of a cosmeceutical antiaging product*, Days of the University of Medicine, Pharmacy, Science and Technology of Târgu Mureș, December 10<sup>th</sup> to 14<sup>th</sup>, 2018, Târgu Mureș, Scientific Session of University Academic Staff. ISSN: 2602-1609.

21. **Vlad RA.** Farczadi L, Imre S, Ciurba A, Antonoea P, Todoran N, Muntean DL. *Quantitative determination of cannabidiol in formulations found on the Romanian Market*, Days of the University of Medicine, Pharmacy, Science and Technology of Târgu Mureș, December 10<sup>th</sup> to 14<sup>th</sup>, 2018, Târgu Mureș, The 11<sup>th</sup> Conference of Ph.D Students and Young Doctors. ISSN: 2602-1609.
22. Ciurba A. Bîrsan M. Apostu M. Antonoea P. **Vlad RA.** Todoran N. *Evaluation of miconazole nitrate in vitro permeation from dermal systems through synthetic vs. Biological membranes*, Central European Symposium on Pharmaceutical Technology and Regulatory Affairs, Szeged, Hungary, 5<sup>th</sup>-9<sup>th</sup> September 2018, Acta Pharmaceutica Hungarica. ISSN: 0001-6659.
23. Todoran N, Antonoea P. Vlad RA. Bîrsan M, Ciurba A. Mechanism of in vitro release kinetic of meloxicam, tenoxicam and indomethacin from hypromellose matrices. Central European Symposium on Pharmaceutical Technology and Regulatory Affairs, Szeged, Hungary, 5<sup>th</sup>-9<sup>th</sup> September 2018, Acta Pharmaceutica Hungarica. ISSN: 0001-6659.
24. Antonoea P, Todoran N, **Vlad RA**, Redai E, Bîrsan M, Curba A – *The influence of propylene glycol concentration as a modulator of the indomethacin permeation from dermal films*, Central European Symposium on Pharmaceutical Technology and Regulatory Affairs, Szeged, Hungary, 5<sup>th</sup>-9<sup>th</sup> September 2018, Acta Pharmaceutica Hungarica. ISSN: 0001-6659.
25. Trifan EB. Blendea OV. **Vlad RA.** Ciurba A. Liposomes – vaccine delivery systems, International Congress for Students, Young Doctors and Pharmacists MARISIENSIS, Tîrgu Mureș, Romania, 28<sup>th</sup> of March – 1<sup>st</sup> of April 2018, ISSN: 2068 – 3324, eISSN: 2247-6113.
26. **Vlad RA.** Hancu G. Can alopecia be treated? International Congress for Students, Young Physicians and Pharmacists, Marisiensis, Tîrgu Mureș, 30 martie – 3 aprilie, 2016, Acta Medica Marisiensis, 62(4): 101, ISSN 2068-3324.
27. Butucea A. Simion A. **Vlad RA.** Hancu G. Study regarding the recreational use of benzodiazepines, The 19th International Scientific Congress for Students, Young Physicians and Pharmacists, Marisiensis, Tîrgu Mureș, 23-25 Aprilie, 2015, Acta Medica Marisiensis, 2015, 61(2): 85, ISSN 2068-3324.
28. Popescu G. **Vlad RA.** Lungu IA. Hancu G. Generics versus Originals – patient choice, is the financial cost an impediment, The 19th International Scientific Congress for Students, Young Physicians and Pharmacists, Marisiensis, Tîrgu Mureș, 23-25 Aprilie, 2015, Acta Medica Marisiensis, 2015, 61(2): 89, ISSN 2068-3324.
29. **Vlad RA.** Popa C. Dogariu CA. Popescu G. Butucea A. Hancu G. Doping in horse racing, The 19th International Scientific Congress for Students, Young Physicians and Pharmacists, Marisiensis, Tîrgu Mureș, 23-25 Aprilie, 2015, Acta Medica Marisiensis, 2015, 61(2): 92, ISSN 2068-3324.
30. **Vlad R.A.** Popescu G. Hancu G. History of doping in athlethism. Marisiensis 2014 - The 18th International Scientific Congress for Students, Young Physicians and Pharmacists, 7-11 Mai 2014, Tîrgu Mureș, Acta Medica Marisiensis, 60(3): 108, ISSN 2068-3324.