

Conf. Univ. Dr. Răzvan – Cosmin PETCA

Disciplina Urologie – Spitalul Clinic „Prof. Dr. Th. Burghele”

Departamentul Învățământ Clinic 3

Facultatea de Medicină

UMF „Carol Davila” București

LISTA COMPLETĂ DE LUCRĂRI

a) Teza de Doctorat

Titlul: *Tratamentul tumorilor osoase maligne la copii și adolescenți*

Îndrumător științific: Prof. Dr. Gheorghe Burnei

Diploma de Doctor în Medicină nr. 128/19.12.2016, în baza ordinului MECS nr. 5895/28.11.2016.

NB. Rezumatul tezei de doctorat (pe 1 pagină), în limba română și engleză poate fi regăsit în dosarul de concurs în format electronic și printat.

I. Activitate didactică

I.1 Cărți și capitole de cărți

Capitol în tratat în edituri naționale:

1. *Urologie clinică pentru pregătire în rezidențiat.* Acad. Ioanel Sinescu. Editura Universitară ”Carol Davila”, București 2022.

Capitolul 8 – Infecțiile nespecifice ale tractului urinar. RA Dănău, RC Petca, V Jinga

Capitolul 9 – Pielonefritele acute și cronice de cauză urologică. C Sima, RC Petca, V Jinga

Capitolul 10 – Abcesul renal. R Borcăiaș, RC Petca, V Jinga

Capitolul 11 – Pionefroza. RC Petca, V Jinga

Capitolul 12 – Perinefrita. RC Petca, V Jinga

Capitolul 28 – Tuberculoza urogenitală. G Predoiu, RC Petca, V Jinga

2. *Tratat de infecții cu transmitere sexuală.* Florica Șandru, Mihai-Cristian Dumitrașcu. Editura Universitară ”Carol Davila”, București 2022.

Capitolul 15 – Infecția genitală cu *Neisseria gonorrhoeae*. A Petca, RC Petca, RG Vărzaru

Capitolul 19 – Infecția genitală cu *Mycoplasma genitalium*. A Petca, RC Petca, IG Calo

Cărți/Monografii în edituri naționale în calitate de autor unic/ prim autor:

1. *Elemente de genetică în cancerul de prostată.* O. Codreanu, D.L. Badescu, **R.C. Petca**. Editura Universitară ”Carol Davila”, București, 2015, ISBN: 978-973-708-839-0. Editură recunoscută CNCSIS, cod 114

Cărți/Monografii în edituri naționale în calitate de co-autor:

1. **Tumorile vezicii urinare.Explorare imagistică.** B. Braticevici, V. Ambert, F. Benguș, M. Budău, C. Călin, R. Dănău, D. Moişanu, M. Onu, M. Pascu, **R. Petca**, G. Predoiu, V. Jinga. ISBN 978-606-11-3836-4. Editura Sitech Craiova, 2014. Editură recunoscută CNCSIS, cod 170.

2. **Urology Textbook For Medical Students**, sub redacția Acad. Prof. Univ. Dr. Ioanel Sinescu, Prof. Univ. Dr. Viorel Jinga, Conf. Univ. Dr. G. Gluck. Editura Universitară “Carol Davila”, Bucuresti, 2015, ISBN: 978-973-708-834-5. Editură recunoscută CNCSIS, cod 114.

Chapter 2 – Unspecific infections of the genitourinary tract – V. Jinga, D. Badescu, **R. Petca**

Chapter 3 – Genitourinary tuberculosis - V. Jinga, D. Badescu, **R. Petca**

3. **Prezentări de cazuri clinice de patologie obstetricală – pentru examene si concursuri –**, M. Zvâncă, A. Petca, M. Boț, **R. Petca**, D.C. Radu, C Oprescu. ISBN 978-973-708-944-1. Editura Universitara “Carol Davila” Bucuresti, 2016. Editură recunoscută CNCSIS, cod 114.

4. **Infecția genitală externă indusă de HPV: Aspecte diagnostice, terapeutice și profilactice.** F. Șandru, M. C. Dumitrașcu., M. M. Cîrstoiu, C. Mehedintu, A. Filipesu, A. Petca, **R. C. Petca**, A. M. A. Stănescu, A. Baroș, C. Beiu, A. Popa. ISBN 978-606-011-105-4. Editura Universitară “Carol Davila” Bucuresti, 2019. Editură recunoscută CNCSIS, cod 114.

5. **Urologie – curs pentru studenți.** Acad. Ioanel Sinescu. Editura Universitară “Carol Davila”, Bucuresti, 2022.

Capitolul 2. Infecțiile urinare nespecifice. V Jinga, RA Dănău, RC Petca.

Capitolul 3. Tuberculoza aparatului urinar. V Jinga, G Predoiu, RC Petca

II. Activitate științifică și de cercetare

II.A Articole/studii in extenso publicate în reviste cotate ISI, indexate PubMed sau alte BDI, CNCSIS;

II.A.1 Articole în extenso în reviste ISI (cu factor de impact) în calitate de autor principal: (FCIAP: 79,32)

1. **Incidentally detected prostate cancer in patients undergoing radical cystoprostatectomy.** B. Braticevici, **R. Petca**, A. Petrescu, V. Jinga, L. Ionita. **Romanian Biotechnological Letters** 2014, **19(1):9051-9057.** (Factor de Impact – 0.363) – **autor corespondent**
<http://www.rombio.eu/vol19nr1/15%20lucr%2021%20incidental%20discovered%20prostate%20cancer.pdf>

2. **Morphological, imaging and surgical aspects in a complex case of uterine leiomyosarcoma – case report and review of the literature.** A Petca, S Vladareanu, DC Radu, M Boț, C Berceanu, B Mastalier-Manolescu, C Medar, **RC Petca**. **Romanian Journal Of Morphology and Embryology** 2017, **58(2): 619-625.** (Factor de Impact – 0.91)
<http://www.rjme.ro/RJME/resources/files/580217619625.pdf>

3. *Fetal death from ruptured vasa previa: a tragic event in the ultrasonographic era.* A. Petca, R. C. Petca, M. Zvanca, N. Maru, B. Mastalier, C. Dogaroiu. **Romanian Journal of Legal Medicine 2019, 27(1): 43-46.** (Factor de Impact – 0.488) – **autor corespondent**
<http://www.rjlm.ro/index.php/arhiv/706>
4. *Current trends of liquid chromatography tandem mass spectroscopy use in clinical gynecology.* A. Petca, D. C. Radu, R. C. Petca, C. Mehedintu, R. I. Barac, A. Ionescu, C. Dogaroiu, C. Berceanu, N. Maru. **Revista de Chimie 2019, 70(6): 2021 – 2025.**(Factor de Impact – 1.755) – **autor corespondent**
<http://www.revistadechimie.ro/pdf/27%20PETCA%206%2019.pdf>
5. *Second trimester abortion: Mifepristone plus Misoprostol vs. Misoprostol plus Oxytocin.* A. Petca, M. Zvanca, M. Boț, R. C. Petca, C. Mehedintu, S. Negoită, N. Maru. **Farmacia, 2019, 67(5): 850-856.** (Factor de Impact – 1.607) – **autor corespondent**
<http://www.revistafarmacia.ro/201905/issue52019art14.html>
6. *Chemicals in Personal Care Products Tied to Early Puberty in Girls.* A. Petca, M. Bot, R. C. Petca, C. Mehedintu, R. I. Barac, M. Iliescu, N. Maru, B. Mastalier. **Revista de Chimie 2019, 70(9): 3206 – 3209.** (Factor de Impact – 1.755) – **autor corespondent**
<https://www.revistadechimie.ro/pdf/24%20PETCA%209%2019.pdf>
7. *Abobotulinumtoxin A in Idiopathic Hyperactive bladder – ethical issues.* CB Chibelea, IA Nechifor-Boila, RC Petca, D Balan, O Martha, A Petca, C Dogaroiu. **Romanian Journal of Legal Medicine 2019, 27(3): 213-216.** (Factor de Impact – 0.488) – **autor corespondent**
<http://www.rjlm.ro/index.php/arhiv/737>
8. *Efficiency of different preparations of Botulinum Toxin Type A, Xeomin and Dysport, in the management of spastic upper limb after stroke.* M N Popescu, R C Petca, C Beiu, M C Dumitrascu, A Petca, C Mehedintu, P D Farcasanu, F Sandru. **Revista de Chimie 2019, 70(10) : 3490 – 3494.** (Factor de Impact – 1.755) – **autor cu drepturi egale cu primul autor**
<https://www.revistadechimie.ro/pdf/9%20POPESCU%20MARIUS%2010%2019.pdf>
9. *The Chemical Pregnancy.* M. C. Dumitrascu, M. Iliescu, R. C. Petca, F. Sandru, C. Mehedintu, P. D. Farcasanu, N. Maru, C. Chibelea, A. Petca. **Revista de Chimie 2019, 70(11): 3818-3823.** (Factor de Impact – 1.755) – **autor corespondent**
<https://www.revistadechimie.ro/pdf/10%20DUMITRASCU%2011%2019.pdf>
10. *Could Chemical Composition of Stone Influence Percutaneous Nephrolithotomy in the Management of Staghorn Calculi?* R. C. Petca, Y. Salaheddin, A. Petca, R. I. Popescu, C. Mehedintu, N. Maru, V. Jinga. **Revista de Chimie 2019, 70(11): 3872-3877.** (Factor de Impact – 1.755)
<https://www.revistadechimie.ro/pdf/20%20PETCA%2011%2019.pdf>
11. *Antibiotic resistance profile of common uropathogens implicated in urinary tract infections in Romania.* R.C. Petca, R.I. Popescu, C. Mares, A. Petca, C. Mehedintu, I. Sandu, N. Maru. **Farmacia, 2019, 67(6): 994-1004.** (Factor de Impact – 1.607)
http://www.revistafarmacia.ro/201906/art-09-Petca_Petca_Maru_994-1004.pdf
12. *A comparison between rapid stain identification-blood (RSID-blood) and faecal occult blood test (FOB) to identify human blood on various suspicious stains.* C. Dogaroiu, I. Diac, A. Petca,

M. Gaiculescu, C. Trandafir, L. Matei, **R.C. Petca**. **Romanian Journal of Legal Medicine** 2019, **27(4): 373-378**. (Factor de Impact – 0.488)

<http://www.rjlm.ro/index.php/arhiv/766>

13. *State of the Art in Fertility Preservation for Female Patients Prior to Oncologic Therapies.* CB Chibelean, **RC Petca**, DC Radu, A Petca. **Medicina**, 2020, **56(2): 89**. (Factor de Impact – 2.43) – **autor corespondent**

<https://www.mdpi.com/1010-660X/56/2/89>

14. *A Clinical Perspective on the Antimicrobial Resistance Spectrum of Uropathogens in a Romanian Male Population.* Chibelean CB, **Petca RC**, Mareş C, Popescu RI, Enikő B, Mehediñtu C, Petca A. **Microorganisms** 2020, **8(6), 848**. (Factor de Impact – 4.128) – **autor corespondent**.

<https://www.mdpi.com/2076-2607/8/6/848>

15. *Ether-Based Polyurethane Foam for Vacuum-Assisted Closure (V.A.C.) of Complicated Postoperative Abdominal Wound Dehiscence.* Petca A, Negoita S, **Petca RC**, Calo O, Sinescu RD. **Materiale Plastice**. 2020, **57(2): 32-38**. (Factor de Impact – 0.593) – **autor corespondent**.

<https://revmaterialeplastice.ro/pdf/5%20PETCA%20%202020.pdf>

16. *Bisphenol-A and other Plastics: Review of Endocrine Disrupting Effects on Prostate Cancer.* Mares C, Popescu R, Petca A, Maru N, Dogaroiu C, **Petca RC**. **Materiale Plastice**. 2020, **57(2): 239-252**. (Factor de Impact – 0.593)

<https://revmaterialeplastice.ro/pdf/27%20MARES.pdf>

17. *Spectrum and antibiotic resistance of uropathogens in Romanian females.* **Petca RC**, Mares C, Petca A, Negoita S, Popescu RI, Bot M, Barabas E, Chibelean CB. **Antibiotics**, 2020, **9(8), 472**. (Factor de Impact – 4.639)

<https://www.mdpi.com/2079-6382/9/8/472>

18. *Carcinogenic effects of bisphenol A in breast and ovarian cancers (Review).* MC Dumitrascu, C Mares, **RC Petca**, F Sandru, RI Popescu, C Mehediñtu, A Petca. **Oncology Letters**, 2020, **20(6): 282**. (Factor de Impact – 2.967) – **autor corespondent**.

<https://www.spandidos-publications.com/10.3892/ol.2020.12145>

19. *Non-sexual HPV transmission and role of vaccination for a better future (Review).* Petca A, Borislavski A, Zvanca ME, **Petca RC**, Sandru F, Dumitrascu MC. **Experimental and Therapeutic Medicine**, 2020, **20(6): 186**. (Factor de Impact – 2.447) – **autor corespondent**.

<https://www.spandidos-publications.com/10.3892/etm.2020.9316>

20. *Chemical hemorrhagic cystitis: Diagnostic and therapeutic pitfalls (Review).* **Petca RC**, Popescu RI, Toma C, Dumitrascu MC, Petca A, Sandru F, Chibelean CB. **Experimental and Therapeutic Medicine**, 2021, **21(6): 624**. (Factor de Impact – 2.751)

<https://www.spandidos-publications.com/10.3892/etm.2021.10056>

21. *Heterogeneity of antibiotics multidrug-resistance profile of uropathogens in Romanian population.* **Petca RC**, Negoitã S, Mareş C, Petca A, Popescu RI, Chibelean CB. **Antibiotics** 2021, **10(5), 523**. (Factor de Impact – 5.222)

<https://www.mdpi.com/2079-6382/10/5/523>

22. *Bacterial pathogens isolated from surgical site infections and their antibiotic susceptibility.* Petca A, Negoită S, **Petca RC**, Borislavski A, Calo IG, Popescu VG, Sinescu RD. **Farmacia**, **2021**, **69(4)**, **741-748**. (Factor de Impact – 1.55) – **autor cu drepturi egale cu primul autor**
https://farmaciajournal.com/wp-content/uploads/art-15-Petca_Borislavski_Sinescu_741-748.pdf
23. *The aging behavior of polyurethane-based ureteral catheters.* Onas AM, Biru IE, Petca A, **Petca RC**. **Materiale Plastice** **2021**, **58(4)**, **65-72**. (Factor de Impact – 0.782)
<https://revmaterialeplastice.ro/Articles.asp?ID=5532>
24. *Xanthogranulomatous Pyelonephritis Caused by Stenotrophomonas maltophilia—The First Case Report and Brief Review.* **Petca RC**, Danau RA, Popescu RI, Damian D, Mares C, Petca A, Jinga V. **Pathogens** **2022**, **11(1)**, **81**. (Factor de Impact – 3.7)
<https://www.mdpi.com/2076-0817/11/1/81>
25. *Does the Covid pandemic modify the antibiotic resistance of uropathogens in female patients? A new storm?* Mares C, **Petca RC**, Petca A, Popescu RI, Jinga V. **Antibiotics** **2022**, **11(3)**, **376**. (Factor de Impact – 4.8) – **autor corespondent**.
<https://www.mdpi.com/2079-6382/11/3/376>
26. *Half abdomen tumor - giant retroperitoneal lipoma: a case report and review of the literature.* **Petca RC**, Ambert V, Popescu RI, Mares C, Petca AT, Berceanu C, Jinga V. **Romanian Journal of Morphology and Embryology** **2022**, **63(1)**, **237-244**. (Factor de Impact – 1)
<https://rjme.ro/RJME/resources/files/630122237244.pdf>
27. *Urinary tract infections in a Romanian population: antimicrobial resistance of uropathogens – a multiregional study.* A Rusu, A Petca, C Mareş, **RC Petca**, RI Popescu, S Negoită, RA Dănau, CB Chibelea, V Jinga. **Farmacia** **2023**, **71(1)**: **165-173**. (Factor de impact – 1.6) – **autor corespondent**.
https://farmaciajournal.com/wp-content/uploads/art-19-Rusu_Petca_Jinga_165-173-re.pdf
28. *Management of Hyperthyroidism during Pregnancy: A Systematic Literature Review.* A Petca, DAM Dimcea, MC Dumitraşcu, F Şandru, C Mehedinţu, **RC Petca**. **Journal of Clinical Medicine** **2023**, **12(5)**: **1811**. (Factor de impact – 3.9)
<https://www.mdpi.com/2077-0383/12/5/1811>
29. *Uropathogens' Antibiotic Resistance Evolution in a Female Population: A Sequential Multi-Year Comparative Analysis.* C Mareş, **RC Petca**, RI Popescu, A Petca, BF Geavlete, V Jinga. **Antibiotics** **2023**, **12(6)**: **948**. (Factor de impact – 4.8) – **autor corespondent**.
<https://www.mdpi.com/2079-6382/12/6/948>
30. *Update on Urinary Tract Infection Antibiotic Resistance—A Retrospective Study in Females in Conjunction with Clinical Data.* C Mares, **RC Petca**, RI Popescu, A Petca, R Multescu, CA Bulai, CV Ene, PA Geavlete, BF Geavlete, V Jinga. **Life** **2024**, **14(1)**: **106**. (Factor de impact – 3.2) – **autor corespondent**.
<https://www.mdpi.com/2075-1729/14/1/106>
31. *Progesterone Hypersensitivity in Assisted Reproductive Technologies: Implications for Safety and Efficacy.* F Sandru, MC Dumitraşcu, A Petca, **RC Petca**, AM Roman. **Journal of Personalized Medicine** **2024**, **14(1)**: **79**. (Factor de Impact – 3.4) – **autor corespondent**
<https://www.mdpi.com/2075-4426/14/1/79>

32. *The Intersection of Dermatological Dilemmas and Endocrinological Complexities: Understanding Necrobiosis Lipoidica—A Comprehensive Review.* C Ionescu, A Petca, MC Dumitrascu, **RC Petca**, AI Ionescu (Miron), F Sandru. **Biomedicines** 2024, 12(2), 337. (Factor de impact – 4.7) – **autor corespondent**.
<https://www.mdpi.com/2227-9059/12/2/337>

33. *Hidradenitis Suppurativa in Association with Ulcerative Proctitis: Surgical Management in a Refractory Case to Topical and Systemic Treatment.* IV Stoenica, Dumitrascu MC, A Petca, **RC Petca**, F Sandru. **Reports** 2024, 7(1), 13. (Factor de impact – 0.9) – **autor corespondent**.
<https://www.mdpi.com/2571-841X/7/1/13>

34. *Antimicrobial Resistance Profile of Group B Streptococci Colonization in a Sample Population of Pregnant Women from Romania.* A Petca, F Sandru, S Negoita, MC Dumitrascu, DAM Dimcea, T Nedelcu, C Mehedintu, MM Filipov, **RC Petca**. **Microorganisms** 2024, 12(2), 414. (Factor de impact – 4.5)
<https://www.mdpi.com/2076-2607/12/2/414>

Articole în extenso în reviste ISI (cu factor de impact) în calitate de coautor:

1. *Study on the use of textiles to manufacture mattresses in order to prevent decubitus ulcers due to post-fracture immobilization syndrome in the elderly patient.* C.C. Burcea, C. Ciucurel, C. Medar, M.G. Costache, L. Padure, M. Ivascu, **R. Petca**, A. Petca, L. Georgescu, C. Niculescu. **Industria Textila**, 2017, 68(4): 283-288. (Factor de Impact – 0.57)
http://www.revistaindustriatextila.ro/images/2017/Textila_nr_4_2017.pdf

2. *Evaluation of effectiveness and tolerability of boric acid in the treatment of vaginal infection with candida species.* C Mehedintu, E Bratila, M Cirstoiu, A Petca, L A Brinduse, C Berceanu, R I Barac, C V Andreescu, **R C Petca**, F Sandru, O M Ionescu. **Revista de Chimie** 2019, 70(7) : 2375 – 2378. (Factor de Impact – 1.755)
<http://www.revistadechimie.ro/pdf/16%20MEHEDINTU%207%2019.pdf>

3. *Regressive melanoma in a female patient: A case report.* F Sandru, CC Draghici, T Predescu, MM Constantin, **RC Petca**, T Constantin, A Petca, MC Dumitrascu. **Experimental and Therapeutic Medicine** 2020, 20(1): 87-90. (Factor de impact – 2.447)
<https://www.spandidos-publications.com/10.3892/etm.2020.8675>

4. *Paraganglioma presenting as a mesenteric cystic mass: A case report.* A. Iliesiu, IA Ungureanu, A Petca, MM Constantin, **RC Petca**, F Sandru, T Constantin, MC Dumitrascu. **Experimental and Therapeutic Medicine** 2020, 20(3): 2489-2492. (Factor de impact – 2.447)
<https://www.spandidos-publications.com/10.3892/etm.2020.8805>

5. *Etiologic role of Borrelia burgdorferi in morphea: A case report.* F Sandru, A Popa, A Petca, RG Miulescu, MM Constantin, **RC Petca**, T Constantin, MC Dumitrascu. **Experimental and Therapeutic Medicine** 2020, 20(9): 2373-2376. (Factor de impact – 2.447)
<https://www.spandidos-publications.com/10.3892/etm.2020.8815>

6. *Somatostatinoma: Beyond neurofibromatosis type 1 (Review).* Sandru F, Carsote M, Valea A, Albu SE, **Petca RC**, Dumitrascu MC. **Experimental and Therapeutic Medicine** 2020, 20(4): 3383-3388. (Factor de impact – 2.447)
<https://www.spandidos-publications.com/10.3892/etm.2020.8965>

7. **Delivery and breastfeeding in pregnant patients with COVID-19 (Review).** Dumitrascu MC, Cirstoiu MM, Nenciu AE, Petca A, Sandru F, **Petca RC**, Nenciu CG. **Experimental and Therapeutic Medicine 2021, 21(3): 278.** (Factor de impact – 2.751)
<https://www.spandidos-publications.com/10.3892/etm.2021.9709>
8. **Teratogenic effect of isotretinoin in both fertile females and males (Review).** Draghici CC, Miulescu RG, **Petca RC**, Petca A, Dumitrascu MC, Sandru F. **Experimental and Therapeutic Medicine 2021, 21(5): 534.** (Factor de impact – 2.751)
<https://www.spandidos-publications.com/10.3892/etm.2021.9966>
9. **Cutaneous Mastocytosis in Childhood – Update from the Literature.** Sandru F, **Petca RC**, Costescu M, Dumitrascu MC, Popa A, Petca A, Miulescu RG. **Journal of Clinical Medicine 2021, 10(7): 1474.** (Factor de impact – 4.964)
<https://www.mdpi.com/2077-0383/10/7/1474>
10. **Adherence to anti-osteoporotic treatment and clinical implications after hip fracture: a systematic review.** Dobre R, Niculescu DA, **Petca RC**, Popescu RI, Petca A, Poiană C. **Journal of Personalized Medicine 2021, 11(5), 341.** (Factor de impact – 3.508)
<https://www.mdpi.com/2075-4426/11/5/341>
11. **COVID-19-related thyroid conditions.** Sandru F, Carsote M, Petca RC, Gheorghisan-Galateanu AA, Petca A, Valea A, Dumitrascu MC. **Experimental and Therapeutic Medicine 2021, 22(1): 756.** (Factor de impact – 2.751)
<https://www.spandidos-publications.com/10.3892/etm.2021.10188>
12. **Anorexia nervosa: COVID-19 pandemic period.** Dumitrascu MC, Sandru F, Carsote M, **Petca RC**, Gheorghisan-Galateanu AA, Petca A, Valea A. **Experimental and Therapeutic Medicine 2021, 22(2): 804.** (Factor de impact – 2.751)
<https://www.spandidos-publications.com/10.3892/etm.2021.10236>
13. **Hyperthyroidism management during pregnancy and lactation.** Dumitrascu MC, Nenciu AE, Sandru F, Nenciu CG, Petca A, **Petca RC**, Comanici AV. **Experimental and Therapeutic Medicine 2021, 22(3): 960.** (Factor de impact – 2.751)
<https://www.spandidos-publications.com/10.3892/etm.2021.10392>
14. **Clostridium difficile infection characteristics in a general surgery clinic.** Paduraru DN, Ion D, Dumitrascu MC, **Petca R**, Petca A, Sandru F, Andronic O, Radu G, Bolocan A. **Experimental and Therapeutic Medicine 2021, 22(4): 1112.** (Factor de impact – 2.751)
<https://www.spandidos-publications.com/10.3892/etm.2021.10546>
15. **Neuroendocrine neoplasia and bone.** Ghemigian A, Carsote M, Sandru F, Petca RC, Oproiu AM, Petca A, Valea A. **Experimental and Therapeutic Medicine 2021, 22(5): 1219.** (Factor de impact – 2.751)
<https://www.spandidos-publications.com/10.3892/etm.2021.10653>
16. **Benefits of a-lipoic acid in high-risk pregnancies.** Petca A, Bot M, Maru N, Calo IG, Borislavski A, Dumitrascu MC, Petca RC, Sandru F, Zvanca ME. **Experimental and Therapeutic Medicine 2021, 22(5): 1232.** (Factor de impact – 2.751)
<https://www.spandidos-publications.com/10.3892/etm.2021.10666>

17. *Dermatological and endocrine elements in Carney complex (Review)*. Sandru F, Dumitrascu MC, Petca A, Carsote M, **Petca RC**, Paun DL. **Experimental and Therapeutic Medicine 2021, 22(5): 1313**. (Factor de impact – 2.751)
<https://www.spandidos-publications.com/10.3892/etm.2021.10748>
18. *Adrenal ganglioneuroma: Prognostic factors (Review)*. Sandru F, Dumitrascu MC, Petca A, Carsote M, **Petca RC**, Oproiu AM, Ghemigian A. **Experimental and Therapeutic Medicine 2021, 22(5): 1338**. (Factor de impact – 2.751)
<https://www.spandidos-publications.com/10.3892/etm.2021.10773>
19. *Peutz-Jeghers syndrome: Skin manifestations and endocrine anomalies (Review)*. Sandru F, Petca A, Dumitrascu MC, **Petca RC**, Carsote M. **Experimental and Therapeutic Medicine 2021, 22(6): 1387**. (Factor de impact – 2.751)
<https://www.spandidos-publications.com/10.3892/etm.2021.10823>
20. *Aggressive prolactinoma (Review)*. Valea A, Sandru F, Petca A, Dumitrascu MC, Carsote M, **Petca RC**, Ghemigian A. **Experimental and Therapeutic Medicine 2022, 23(1): 74**. (Factor de impact – 2.7)
<https://www.spandidos-publications.com/10.3892/etm.2021.10997>
21. *Melanoma in patients with Li-Fraumeni syndrome (Review)*. Sandru F, Dumitrascu MC, Petca A, Carsote M, **Petca RC**, Ghemigian A. **Experimental and Therapeutic Medicine 2022, 23(1): 75**. (Factor de impact – 2.7)
<https://www.spandidos-publications.com/10.3892/etm.2021.10998>
22. *HELLP syndrome – holistic insight into pathophysiology*. Petca A, Miron BC, Pacu I, Dumitrascu MC, Mehedintu C, Sandru F, **Petca RC**, Rotar IC. **Medicina, 2022, 58(2), 326**. (Factor de impact – 2.6)
<https://www.mdpi.com/1648-9144/58/2/326>
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64. Escherichia coli – profilul de rezistență la antibiotice în cadrul infecțiilor de tract urinar. **RC Petca**, C. Mares, RI Popescu, Aida Petca, B. Braticevici, V. Jinga. **Revista Română de Urologie**, 2020 19(2): 16.
65. Klebsiella – profilul de rezistență la antibiotice în cadrul infecțiilor de tract urinar. **RC Petca**, C. Mares, RI Popescu, Aida Petca, B. Braticevici, V. Jinga. **Revista Română de Urologie**, 2020 19(2): 17.
66. Managementul chirurgical al unui caz rar de lipom retroperitoneal. **RC Petca**, RI Popescu, C. Mares, Aida Petca, R. Danau, V. Ambert, V. Jinga. **Revista Română de Urologie**, 2020 19(2): 39.
67. Tumoră testiculară germinală rară – tumoră cu celule Leydig: prezentare de caz. **RC Petca**, RG Varzaru, R. Danau, B. Braticevici, V. Jinga. **Revista Română de Urologie**, 2021 20(2): 6.
68. Avantajele, riscurile și rolul tehnicilor intrafasciale de prostatectomie radicală robotică. S. Conachiu, G. Predoiu, S. Rascu, R. Danau, **R. Petca**, T. Constantin, B. Braticevici, V. Jinga. **Revista Română de Urologie**, 2021 20(2): 30.
69. Escherichia coli – rezistența la antibiotice în cadrul infecțiilor urinare în populația feminină – studiu multicentric. **RC Petca**, C. Mares, RI Popescu, S. Negoita, Aida Petca, CB Chibeleian, V. Jinga. **Revista Română de Urologie**, 2021 20(2): 37.
70. Klebsiella spp. – rezistența la antibiotice în cadrul infecțiilor urinare în populația feminină – studiu multicentric. **RC Petca**, C. Mares, RI Popescu, S. Negoita, Aida Petca, CB Chibeleian, V. Jinga. **Revista Română de Urologie**, 2021 20(2): 38.
71. Spectrul rezistenței antibiotice pentru E. coli în populația masculină din România. **RC Petca**, RI Popescu, C. Mares, Aida Petca, CB Chibeleian, V. Jinga. **Revista Română de Urologie**, 2021 20(2): 40.

72. *Prevalenta și rezistența antibiotică pentru Klebsiella în populația masculină din România.* RC Petca, RI Popescu, C Mares, Aida Petca, CB Chibelean, V Jinga. *Revista Română de Urologie*, 2021 20(2): 41.
73. *Nefrolitotomia percutanată în decubit dorsal – aspecte particulare.* YO Salaheddin, C Mares, RC Petca, RI Popescu, A Sin, V Jinga. *Revista Română de Urologie*, 2021 20(2): 76.
74. *Taking advantage of PRP in gynecological pathology.* A Borisilavschi, IG Calo, A Petca, BC Miron, RC Petca, M Boț. *Ginecologia.ro* 2022, 35(1), Suppl. 1, 14.
75. *Melatonin – the antiaging molecule.* IG Calo, A Borisilavschi, A Petca, BC Miron, RC Petca, M Boț. *Ginecologia.ro* 2022, 35(1), Suppl. 1, 15.
76. *Is early pregnancy the right moment to screen for adnexal pathology?* A Petca, IG Calo, A Borisilavschi, RC Petca, M Boț, DC Radu. *Ginecologia.ro* 2022, 35(1), Suppl. 1, 26.
77. *Is there success in pursuing novel treatment options for women with endometriosis?* A Petca, IG Calo, A Borisilavschi, RC Petca, Bot M. *Ginecologia.ro* 2022, 36(2), Suppl. 2, 62.
78. *Societal costs and economic burden of the frail HPV vaccination policy – a Romanian reality.* A. Petca, IG Calo, A Borisilavschi, RC Petca, M Bot. *Ginecologia.ro* 2022, 36(2), Suppl. 2, 68.
79. *Comparatie între nefrectomia parțială laparoscopică și cea deschisă ca tratament pentru neoplasmale renale: rezultate și complicații.* A Savu, T Constantin, B Braticevic, D Radavoi, I Dragomiresteanu, D Diaconescu, R Petca, G Roșoga, N Chirca, V Jinga. *Al XXXVIII-lea Congres al Asociației Române de Urologie, 25-28 Mai 2022, ROMURO 2022.*
80. *Diferențele de sex în cancerul vezical urotelial la populația din România.* A Mitel, RC Petca, D Ioniță, F Benguş, A Petrescu, A Petca, V Jinga, B Braticevici. *Al XXXVIII-lea Congres al Asociației Române de Urologie, 25-28 Mai 2022, ROMURO 2022.*
81. *Tumoră gigantică retroperitoneală pelvină – prezentare de caz.* D Damian, A Miron, E Bolovan, R Petca, V Jinga. *Al XXXVIII-lea Congres al Asociației Române de Urologie, 25-28 Mai 2022, ROMURO 2022.*
82. *Fistulă arterio-venoasă după nefrostomie minimă percutanată – prezentare de caz.* RA Dănaș, RG Vârțaru, RC Petca, B Braticevici, V Jinga. *Al XXXVIII-lea Congres al Asociației Române de Urologie, 25-28 Mai 2022, ROMURO 2022.*
83. *Evoluția rezistenței antimicrobiene a Escherichia coli la pacienții de sex feminin – impactul pandemiei COVID.* C Mareș, RC Petca, RI Popescu, A Petca, V Jinga. *Al XXXVIII-lea Congres al Asociației Române de Urologie, 25-28 Mai 2022, ROMURO 2022.*
84. *Evoluția rezistenței antimicrobiene a Klebsiella spp. la pacienții de sex feminin – impactul pandemiei COVID.* C Mareș, RC Petca, RI Popescu, A Petca, V Jinga. *Al XXXVIII-lea Congres al Asociației Române de Urologie, 25-28 Mai 2022, ROMURO 2022.*
85. *Evoluția rezistenței antimicrobiene a Enterococcus spp. la pacienții de sex feminin – impactul pandemiei COVID.* C Mareș, RC Petca, RI Popescu, A Petca, V Jinga. *Al XXXVIII-lea Congres al Asociației Române de Urologie, 25-28 Mai 2022, ROMURO 2022.*
86. *Ureterosopia flexibilă vs litotriția extracorporeală cu unde de șoc în tratamentul litiazei renale.* I Dițescu, C Nechita, C Sima, C Toma, S Rașcu, R Petca, DL Bădescu, D Rădăvoi, V Jinga. *Al XXXVIII-lea Congres al Asociației Române de Urologie, 25-28 Mai 2022, ROMURO 2022.*

II.C Indici scientometrici

ISI Web of Science Core Collection: *h*-index = 14; citări – 613

II.D Granturi / proiecte câștigate prin competiție:

Grant/Proiect național – membru în echipa de cercetare

1. Titlul proiectului: *Instrumente moderne de predare-învățare pentru creșterea performanțelor școlare ale elevilor din învățământul postliceal sanitar – POSDRU/154/1.1/G/141712*

Perioada derulării: 05/2014 - 12/2015

Valoarea proiectului: 1858693,82 RON

Instituația coordonatoare: Școala Postliceală Sanitară „Hippocrate”, Focșani, Vrancea

Contractul de finanțare: POSDRU/154/1.1/G/141712 program parteneriate, București, România

Directorul de proiect: Prof. Dr. Cristina Mirela Nedelcu

Rol în proiect: Expert curricule și formare pentru calificarea de „asistent medical generalist”.

Site: <http://82.208.170.13/>

2. Titlul proiectului: *BioWall – Personalizarea plaselor pentru tratarea herniei prin ingineria suprafețelor, utilizând hidrogeluri – PN-III-P2-2.1-PED-2016-1683*

Perioada derulării: 02.2017 – 07.2018

Valoarea proiectului: 600.000 RON

Instituația coordonatoare: Universitatea Politehnică București

Contractul de finanțare – 133PED/2017, București, România

Directorul de proiect: Prof. Univ. Dr. Izabela-Cristina Stancu

Rol în proiect: Membru – Cercetător postdoctoral

Site: <https://biosurflab.wixsite.com/biowall>

III. Recunoaștere și impactul activității

Membru în colective editoriale (de redacție) ale revistelor cotate ISI

1. Experimental and Therapeutical Medicine (FI – 2.751)

<https://www.spandidos-publications.com/etm>

Membru în colective editoriale (de redacție) ale revistelor cotate BDI

1. Romanian Journal of Emergency Surgery

<https://rojes.org/index.php/rojes/about/editorialTeam>

2. Medicine International

<https://www.spandidos-publications.com/mi>

3. Annals of Urology Research & Practice

<https://meddocsonline.org/annals-of-urology-research-and-practice.html>

Premii/distincții internaționale

1. **Second Karl Storz Award for Best Poster Presentation** – Percutaneous nephrolithotomy characteristic in elderly patients – Nedelea S, Borcaias R, Dragomiristeanu I, **Petca R**, Badescu D, Jinga V. at the EAU 13th CEM, Prague, 4-6 October 2013.

2. **First Berlin Chemie Award for Best Poster Presentation** – Genetic studies on Romanian prostate cancer patients confirm genetic risk variants for prostate cancer – ASC Rascu, V Jinga, M Dumitrache, M Merticariu, **R Petca**, D Radavoi, D Badescu. at the EAU 14th CEM, Cracow, 10-12 October 2014.

3. **First Berlin Chemie Award for Best Poster Presentation** – Genomic aspects regarding prostate cancer aggressiveness – Cheorpeaca B, Jinga V, Codreanu O, Radavoi D, Badescu D, **Petca R**. at the EAU 16th CEM, Vienna, 7-8 October 2016.

Premii/distincții naționale

1. PRECISI 2020 – Premiarea rezultatelor cercetării – Articole, Competitia 2020 – PN-III-P.1.1-PRECISI-2020-51138 – Spectrum and antibiotic resistance of uropathogens in Romanian females, Antibiotics-Basel (zona rosie).
2. PRECISI 2020 - Premiarea rezultatelor cercetării – Articole, Competitia 2020 – PN-III-P.1.1-PRECISI-2020-51141 – A clinical perspective on the antimicrobial resistance spectrum of uropathogens in a Romanian male population, Microorganisms (zona galbena).
3. PRECISI 2021 – Premiarea rezultatelor cercetării – Articole, Competitia 2021 – PN-III-P1-1.1-PRECISI 2021-59745 – Heterogeneity of antibiotics multidrug-resistance profile of uropathogens in Romanian population, Antibiotics-Basel (zona galbena).
4. PRECISI 2021 – Premiarea rezultatelor cercetării – Articole, Competitia 2021 – PN-III-P1-1.1-PRECISI 2021-63393 – Cutaneous mastocytosis in childhood – update from the literature, Journal of Clinical Medicine (zona rosie).
5. PRECISI 2021 – Premiarea rezultatelor cercetării – Articole, Competitia 2021 – PN-III-P1-1.1-PRECISI 2021-63874 – Adherence to anti-osteoporotic treatment and clinical implications after hip fracture: a systematic review, Journal of Personalized Medicine (zona rosie).
6. PRECISI 2023 – Premiarea rezultatelor cercetării – Articole Web of Science, Competitia 2023 – PN-IV-P2-2.3-PRECISI-2023-85104 – New Entity – Thalassemic Endocrine Disease: Major Beta-Thalassemia and Endocrine Involvement, Diagnostics (zona galbena).
7. PRECISI 2023 – Premiarea rezultatelor cercetării – Articole Web of Science, Competitia 2023 – PN-IV-P2-2.3-PRECISI-2023-82185 – Applications of Polymers for Organ-on-Chip Technology in Urology, Polymers (zona rosie).
8. PRECISI 2023 – Premiarea rezultatelor cercetării – Articole Web of Science, Competitia 2023 – PN-IV-P2-2.3-PRECISI-2023-82098 – Does the COVID Pandemic Modify the Antibiotic Resistance of Uropathogens in Female Patients? A New Storm?, Antibiotics-Basel (zona galbena).
9. PRECISI 2023 – Premiarea rezultatelor cercetării – Articole Web of Science, Competitia 2023 – PN-IV-P2-2.3-PRECISI-2023-82104 – Xantogranomatous Pyelonephritis Caused by Stenotrophomonas maltophilia – The First Case Report and Brief Review (zona galbena)

05.2024