

LISTĂ DE LUCRĂRI

Prof. Univ. Dr. Habil. Roxana FILIP (GHEORGHIU)

A. Lucrari ISI

1. Cucu, Andrei Ionut; Buzduga, Catalin M; Widulin, Navena; Nemtoi, Alexandru; Bobu, Amelian Madalin; Costea, Claudia Florida; **Filip, Roxana**; Porumb, Vlad; Morosan, Anca Petruta; Carauleanu, Alexandru; Sava, Anca; Porumb-Andrese, Elena; Patrascanu, Emilia; Tamas, Camelia; Nerlich, Andreas. Pulmonary Tuberculosis in the 19th Century: A Historical Case Study of Dr. Șerban Eminovici, Romanian Physician and Brother of Poet Mihai Eminescu. *Pathogens* 2025, 14(10), 10.3390/pathogens14101067.
2. Caliman-Sturdza, Olga Adriana; Gheorghita, Roxana; Terteliu Baitan, Monica; **Filip, Roxana**. Infectious Diseases in the Context of the War in Ukraine: Refugee Health Implications in Romania. *Healthcare* 2025, 13(21), 2732, 10.3390/healthcare13212732.
3. Amaritei, Valentina; Buruiana, Petronela-Elena; **Filip, Roxana**; Filip, Florin; Lupaescu, Ancuta Veronica; Iavorschi, Monica; Gheorghita, Roxana-Elena. Effects of Guarana and Green Tea Consumption on Students' Intellectual Performances. *Nutrients* 2025, 17(6), 1000, 10.3390/nu17061000.
4. Filip, Florin; Terteliu-Baitan, Monica; Avramia, Ramona; **Filip, Roxana**; Cocuz, Maria Elen. Clinical management and complications of acute appendicitis in 3 children with SARS-CoV-2 infection: Case report. *Medicine* 2024, 103(43), e41005, 10.1097/MD.00000000000040105.
5. Marian Constantin, Mariana Carmen Chifiriuc, Grigore Mihaescu, Nicolae Corcionivoschi, Liliana Burlibasa, Coralia bleotu, Sorin Tudorache, Magda Mihaela Mitache, **Roxana Filip**, Simona Gloria Munteanu, Gratiela Gradisteanu Pircalabioru. *Microbiome and cancer: from mechanistic implications in disease progression and treatment to development of novel antitumoral strategies*. *Frontiers in Immunology* 15:1373504. Factor de impact: 7.3, <https://doi.org/10.3389/fimmu.2024.1373504>

6. Laura Paulowski, **Roxana Filip**, Mateja Jankovic Makek, Lorenzo Guglielmetti, Delia Goletti, Jakko van Ingen, Katharina Kranzer, Florian P. Maurer on behalf of ESGMYC. *Impact of the COVID-19 pandemic on the real-world diagnostic infrastructure for tuberculosis—An ESGMYC collaborative study*. PLoS ONE 19 (4) e0291404. Factor de impact: 3.7, <http://doi.org/10.1371/journal.pone.0291404>
7. Roxana Gheorghita, Iuliana Soldanescu, Andrei Lobiuc, Olga Adriana Caliman Sturdza, **Roxana Filip**, Adela Constantinescu-Bercu, Mihai Dimian, Serghei Mangul, Mihai Covasa. *The knowns and unknowns of long COVID-19: from mechanisms to therapeutic approaches*. Frontiers in Immunology 15:1344086, 4.03.2024; Factor de impact: 7.3, <https://doi.org/10.3389/fimmu.2024.1344086>
8. Grigore Mihaescu, Mariana carmen Chifiriuc, **Roxana Filip**, Coralia Bleotu, Lia Mara Ditu, Marian Constantin, Roxana-Elena Cristian, Raluca Grigore Serban, Vifor Bertesteanu, Gloria Bertesteanu, Corleiu Ovidiu Vrancianu. *Role of interferons in the antiviral battle: from virus -host cross talk to prophylactic and therapeutic potential in SARS CoV 2 infection* Front. Immunol., 15 January 2024, Sec. Viral Immunology, Volume 14 – 2023, Factor de impact: 7.3., <https://doi.org/10.3389/fimmu.2023.1273604>
9. Kumar VD, Rajesh P, Geman O, Daniela Craciun M, Arif M, **Filip R**. “*Quo Vadis Diagnosis*”: Application of Informatics in Early Detection of Pneumothorax. Diagnostics, 2023, 13(7):1305, Factor de impact: 3.992, WOS:000969333500001, <https://www.mdpi.com/2075-4418/13/7/1305>
10. Cordos M, Vlad CE, Hogas SM, **Filip R**, Geletu G, Bogdan M, Badescu C, Goriuc A, Foia LF. *The Role of the Prognostic Inflammatory and Nutritional Index (PINI) in the Evolution of Patients with Chronic Kidney Disease and Other Pathologies*. Healthcare, 2023, 11(10):1375, Factor de impact: 2.8, WOS: 009980880000001, <https://www.mdpi.com/2227-9032/11/10/1375>
11. Gheorghita R, **Filip R**, Lupaescu AV, Iavorschi M, Anchidin-Norocel L, Gutt G. *Innovative Materials with Possible Applications in the Wound Dressings Field: Alginate-Based Films with Moringa oleifera Extract*. Gels, 2023, 9(7):560, Factor de impact: 4.6, <https://www.mdpi.com/2310-2861/9/7/560>

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14. Mihaescu G., Chifiriuc M. C., Vrancianu C. O., Constantin M., **Filip R.**, Popescu M. R., Burlibasa L., Nicoara A. C., Bolocan A., Iliescu C., Gradisteanu Pircalabioru G. *Antiviral Immunity in SARS-CoV-2 Infection: From Protective to Deleterious Responses*. Microorganisms. 2021; 9(12):2578. Published 2021 Dec 13. doi:10.3390/microorganisms9122578; Factor de impact: 4.128, WOS:000735965200001; <https://www.mdpi.com/2076-2607/9/12/2578/htm>
Author Contributions: All authors have equally contributed to this paper and share the main author status.
15. **Filip R**, Anchidin-Norocel L, Gheorghita R, Savage WK, Dimian M. *Changes in Dietary Patterns and Clinical Health Outcomes in Different Countries during the SARS-CoV-2 Pandemic*. Nutrients. 2021;13(10):3612. Published 2021 Oct 15. doi:10.3390/nu13103612; Factor de impact: 5,719, WOS:000727529100001; <https://www.mdpi.com/2072-6643/13/10/3612/htm>
16. Gheorghita R, Anchidin-Norocel L, **Filip R**, Dimian M, Covasa M. *Applications of Biopolymers for Drugs and Probiotics Delivery*. Polymers (Basel). 2021;13(16):2729. Published 2021 Aug 15. doi:10.3390/polym13162729, Factor de impact: 4.329, WOS:000690152000001, <https://pdfs.semanticscholar.org/4185/310454463c337c50ef70f5fbce839fc77535.pdf>
Author Contributions: All authors have equally contributed to this paper and share the main author status.

17. Andrei Lobiuc, Mihai Dimian, Olga Sturdza, **Roxana Filip**, Mihai Covasa, *Emergence of the First Strains of SARS-CoV-2 Lineage B. 1.1. 7 in Romania: Genomic Analysis*, Jmirx med, 2021, 2(3), e28049, MEDLINE:34424256, <https://xmed.jmir.org/2021/3/e28049>
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- Author Contributions: All authors have equally contributed to this paper.
20. **Filip R**, Georgeta D, Murariu L, Avramia R, Filip F, *Elbow Septic Arthritis caused by in a Newborn-Case Report and Literature Review*, Revista Romana de Medicina de Laborator, 2022, 30(3), 339-344, Factor de impact: 1.03, WOS:000827166500009, <https://sciendo.com/article/10.2478/rrlm-2022-0029>
 21. Filip F, Terteliu Baitan M, Caliman Sturdza OA, Gheorghita Puscaselu R, **Filip R**, *Spontaneous Pneumomediastinum in a 16-Year-Old Patient with SARS-CoV-2 Infection: A North-East Romanian Case*, Children, 2022, 9(11), 1641, Factor de impact: 1.76, WOS 000881025400001, <https://www.mdpi.com/2227-9067/9/11/1641>
 22. **Filip R**, Gheorghita Puscaselu R, Anchidin-Norocel L, Dimian M, K Savage W, *Global Challenges to Public Health Care Systems during the COVID-19 Pandemic: A Review of Pandemic Measures and Problems*, Journal of Personalized Medicine, 2022, 12(8), 1295, Factor de impact: 3.50, WOS 000727529100001, <https://www.mdpi.com/2075-4426/12/8/1295>
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 25. **Filip, R.**, Stanescu, D., Oprea, D., & Filip, F. (2017, June). *A two-year retrospective study on antibiotic regimens used in children with acute perforated appendicitis*. In 2017 E-Health and Bioengineering Conference (EHB) (pp. 745-748). IEEE. WOS:000445457500186, <https://www.webofscience.com/wos/alldb/full-record/>
 26. Filip, F., Creteanu, M., Craciun, M. D., & **Filip, R.** (2017, June). *The use of CT scan examination in pediatric limb fractures-our experience with two cases*. In 2017 E-Health and Bioengineering Conference (EHB) (pp. 749-752). IEEE. WOS:000445457500187 <https://www.webofscience.com/wos/alldb/full-record/>
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B. Teza de abilitare

„Role of molecular biology techniques in patient care- towards diagnostic stewardship”

C. Teza de doctorat

„Caracterizarea fenotipică și genotipică a β -lactamazelor produse de *Enterobacteriaceae* circulante în Europa”

D. Cărți și capitole în cărți

1. *Igiena- Lucrări practice*. Editor coordonator: **Roxana Filip**; coautori: Liliana Anchidin Norocel, Roxana Gheorghită; Editura Performantica Iași 2021; înregistrată în catalogul electronic al bibliotecii USV: <http://exlibris.usv.ro:8991F>; Editură cotată CNCSIS 1142/3006.2003.
2. *Igienă. Note de curs*. **Roxana Filip**, Liliana Anchidin Norocel. Editura Performantica Iași, 2021, ISBN 978-606-685-786-4; înregistrată în catalogul electronic al bibliotecii USV: <http://exlibris.usv.ro:8991F>; Editură cotată CNCSIS, 1142/30.06.2003.
3. *Caracterizarea fenotipică și genotipică a beta lactamazelor produse de Enterobacteriaceae circulante în Europa*. **Roxana Filip**. Editura Performantica Iași, ISBN 978-606-685-726-0; Editură cotată CNCSIS 1142/30.06.2003.
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6. *Manual of Medical Microbiology*, co autor, 1998.
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E. Alte lucrări

1. Mihaescu G, Constantin, M, Andronic C, Bolocan A, Vlad I, **Filip R**. *Antitumor antibiotics: representatives, mechanisms of action and side effects*. Rom. Biotechnol. Lett. 2022, 27(2):3422-3428.
2. Mihaescu G, Constantin, M, Andronic C, Bolocan A, **Filip R**. *Anti-cancer alternative therapies: from inorganic nanoparticles to tumor-killing bacteria*. Rom. Biotechnol. Lett. 2022; 27(2):3416-3421.
3. **Filip R**, Filip F, Francu LL. *Prognosis of Ewing sarcoma by quantitative histopathological methods*. Paripex Indian Journal of Research 2018, 7, 9.
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7. **Filip R**. *Diagnosticul microbiologic al tuberculozei in secolul XXI*. Bucovina Medicală an V, nr 1-4 (17-20)/2019.
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10. Gabriela Coman, Elena Petraru, **Roxana Filip**, Cătălina Dahorea, F Butnaru, *Ceftriaxone resistance in Streptococcus Pneumoniae isolated from pediatric infections*, J Prevent Med, 2002, 10(4), 49-55.

11. A Poiată, **R Filip**, C Tuchiluș, S Constantiniu, I Dumistracel, C Popa, C Lăcătuș, D Buiuc, *Sensitivity of Enterobacteriaceae strains to the third generation cephalosporins*, Revista Medico-chirurgicala a Societatii de Medici si Naturalisti din Iasi, 2000, 104(2), 131-134, <https://europepmc.org/article/med/12089977>.

F. Alte lucrări și contribuții științifice

Proiecte de cercetare:

1. *Studiul mecanismelor de rezistența la tulpinile de Enterobacteriaceae izolate în România*- cu ISP Cuernavaca, Morelos, Mexic- prof Jesus Silva Sanchez- Conferencia de Alta Nivel Y Catedras Especiales.
2. *Rezistența la tulpini Pseudomonas*- cu Laurent Poirel, le Kremlin Bicetre, Paris, Franța.
3. Microdiab Investigator în cadrul proiectului “*Analiza interrelației dintre microbiota intestinală și gazdă cu aplicații în prevenția și controlul diabetului zaharat de tip 2 (microDiab)*”. Programul operațional Competitivitate 2014-2020.
4. Proiect de cercetare cu laboratorul Hipocrat Suceava si USV; director proiect.
5. Proiect de cercetare cu policlinica Coramed Suceava- *Studiu prospectiv privind realizarea unui laborator de diagnostic molecular în cadrul clinicii*; director proiect.
6. Proiect de cercetare cu laboratorul Hipocrat Suceava- *Studiu prospectiv privind realizarea unui laborator de diagnostic molecular*; director proiect.
7. Proiect: *Secvențierea genomului SARS-CoV-2 și analiza filogenetică a tulpinilor circulante în România*- membru echipa cercetare- 2020.
8. Proiect: *Centrul de orientare, asociere si consiliere în cariera de cercetator pentru regiunea de dezvoltare Nord Est a Romaniei în cadrul Universitatii Stefan cel Mare din Suceava* (COACH USV).
9. Proiect: *Artificial intelligence-powered personalized health and genomics libraries for the analysis of long-term effects in COVID-19 patients* (AI-PHGL-COVID).

10. Proiect „*Supravegherea Genomică a Patogenilor Urbani pentru Protecția Mediului și a Sănătății Publică: O abordare “One Health”*” (Acronim: UPGRADE) – director proiect.

Membru în comitete științifice

1. Formator numit de Ministerul Sănătății în PNBTP- Tuberculoza pulmonară.
2. Membru în Comitetul Educativ ESCMID (European Society of Clinical Microbiology and Infectious Diseases) din 2000- până în prezent- co-organizare Școala de vara ESCMID în 2001-2006; Director Școala de vară Suceava 2007.
3. Membru ESCMID.
4. Membru în Comitetul executiv ESGAP- Grupul de Studiu European pentru Poliția de Antibiotice (European Study Group of Antibiotic Policies).
5. Membru în comitetul executiv al grupului de studiu pentru micobacterii- ESCMYC, aprilie 2020- aprilie2022.

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