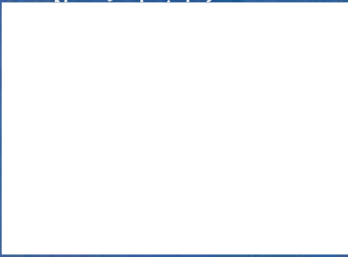


ALEXANDRU EMIL BĂETU

PERSONAL

Nume
Alexandru Emil Băetu



INTERESE

- Coagulopatia indusă de trauma multiplă
- Monitorizare hemodinamică avansată
- Ventilație mecanică
- Transplant hepatic pediatric și chirurgie hepatică majoră (ATI)
- Sepsis/Șoc septic

LIMBI

Engleză ★★★★★
Franceză ★



EXPERIENȚĂ DE LUCRU

- sep 2019 - Prezent **Asistent Universitar**
Universitatea de Medicină și Farmacie "Carol Davila" București-
Departamentul 14 (Ortopedie-ATI), București
- mar 2022 - Prezent **Medic Specialist Anestezie și Terapie Intensivă**
Spitalul Clinic de Urgență pentru Copii "Grigore Alexandrescu",
București
- ian 2017 - dec 2021 **Medic rezident Anestezie și Terapie Intensivă**
Spitalul Clinic de Urgență București, București



EDUCAȚIE ȘI CALIFICĂRI

- oct 2018 - Prezent **Scoala Doctorală**
Universitatea de Medicină și Farmacie "Carol Davila" București,
București
- oct 2018 - oct 2020 **Masterat Biostatistică și Epidemiologie Clinică**
Universitatea din București, București
- oct 2010 - oct 2016 **Licență Medicină Generală**
Universitatea de Medicină și Farmacie Târgu Mureș, Târgu Mureș



Lucrări ISI publicate în reviste cu factor de impact mai mare decât 1

1. **Hemogram-based phenotypes of immune response and coagulopathy in blunt thoracic trauma**, *Journal of Personalized Medicine*. Băetu, A.E. & Mirea L.E. & Cobilinschi C. & Grințescu I.C. & Grințescu I.M. (2024)-lucrare aflată în curs de publicare
2. **Fibrinolysis phenotypes in multiple trauma patients-implications in early diagnosis and mortality prediction**, *Critical Care Explorations*. Băetu, A.E. & Mirea L.E. & Cobilinschi C. & Grințescu I.C. & Grințescu I.M. (2024)-lucrare aflată în curs de publicare
3. **Beyond trauma-induced coagulopathy: detection of auto-heparinization as a marker of endotheliopathy using rotational thromboelastometry**. *J. Clin. Med.*2024, 13, 4219. <https://doi.org/10.3390/jcm13144219>. Băetu, A.E. & Mirea L.E. & Cobilinschi C. & Grințescu I.C. & Grințescu I.M. (2024)
4. **Platelet Contribution and Endothelial Activation and Stress Index-Potential Mortality Predictors in Traumatic Brain Injury** *International Journal of Molecular Sciences* 25, no. 14: 7763. <https://doi.org/10.3390/ijms25147763>, Băetu, A.E. & Mirea L.E. & Cobilinschi C. & Grințescu I.C. & Grințescu I.M. (2024)
5. **Effects of Low-Level Organic Mercury Exposure on Oxidative Stress Profile. Processes**. 10. 2388. 10.3390/pr10112388. Tincu, R.C. & Cobilinschi, C. & Florea, Iulia & Cotae, Ana-Maria & Băetu, Alexandru & Isac, Sebastian & Ungureanu, Raluca & Droc, Gabriela & Grințescu, Ioana & Mirea, Liliana. (2022).
6. **The Impact of COVID-19 Era on Pulmonary Embolism Patients: Increased Incidence of Hospitalizations and Higher Mortality—What Can Be Done?** *COVID*. 2021; 1(1):357-365. <https://doi.org/10.3390/covid1010030>, Vijăiac A, Stănculescu DI, Băetu AE, Grigore I-A, Vintilă D, Cojocar C, Bădilă E, Moldovan H, Scafa-Udriște A.
7. **Toxic-Induced Nonthyroidal Illness Syndrome Induced by Acute Low-Dose Pesticides Exposure—Preliminary In Vivo Study**. *Toxics*. 10. 511. 10.3390/toxics10090511. Cobilinschi, C. & Tincu, Radu & Ungureanu, Raluca & Dumitru, Ioana & Băetu, Alexandru & Isac, Sebastian & Cobilinschi, Claudia & Grințescu, Ioana & Mirea, Liliana. (2022).
8. **Role of Ultrasonography in the Diagnosis of Wilms' Tumour**. *Children*. 9. 1252. 10.3390/children9081252. Bălănescu, Radu & Băetu, Alexandru & Moga, Andreea & Bălănescu, Laura. (2022)
9. **The Importance of Iron Administration in Correcting Anaemia After Major Surgery**. *The Journal of Critical Care Medicine*. 7. 184-191. 10.2478/jccm-2021-0028. Tiglis, Mirela & Cobilinschi, C. & Mirea, Liliana & Băetu, Alexandru & Peride, Ileana & Neagu, Tiberiu Paul & Niculae, Andrei & Checherită, Ionel & Grințescu, Ioana. (2021).
10. **The Impact of Monitoring Depth of Anesthesia and Nociception on Postoperative Cognitive Function in Adult Multiple Trauma Patients**. *Medicina (Kaunas, Lithuania)*. 57. 10.3390/medicina57050408. Cotae, Ana-Maria & Țigliș, Mirela & Cobilinschi, C. & Băetu, Alexandru & Iacob, Diana & Grințescu, Ioana. (2021)
11. **Effects of Acute Organophosphate Poisoning on Glycemic Profile in Weanling Rats An experimental study**. *Revista de Chimie -Bucharest- Original Edition-*. 69. 10.37358/RC.18.12.6771. Tomescu, Dana & Cobilinschi, C. & Baetu, Alexandru & Totan, Alexandra & Neagu, Tiberiu Paul & Diaconu, Camelia & Tincu, Florentina & Pantea Stoian, Anca & Bratu, Ovidiu & Macovei, Radu. (2018)
12. **Peripheral Neurotoxicity Induced by Taxanes, Cisplatin, Oxaliplatin, Fluoropyrimidines and Vinorelbine. A clinical perspective** CORNELIA NITIPİR, ALEXANDRU BAETU , ANDREEA VOINEA, CATALINA PIETROSANU, CRISTIAN IACIU, MADALINA VOICHITESCU, RAZVAN HAINAROSIE, CRISTINA ORLOV, SILVIUS IOAN NEGOITA, MADALINA ALINA DUTU , CRISTINA PANEA, CRISTIAN BALALAU, *Revista de chimie*, nr. 69. pg. 3427-3432 decembrie 2018

Lucrări prezentate la conferințe naționale și internaționale publicate ca rezumat:

1. **Prediction of Sepsis progression in septic Shock in pediatric intensive care unit-a machine learning perspective** (AE. Băetu, A. Blujdescu-Ghiță, A. Damașcan, E. Ștefan, FCD. Rusu
2. **Estimation of fibrinogen deficit based on base excess and lactate level at the patient with multiple trauma**, *Critical Care* 2020, 24(suppl 1): P313: A.Băetu, IC. Grințescu, C.Cobilinschi, M. Tigliș, AM Cotae, M. Buiuc, E. Ciobanu, IM. Grințescu
3. **Precocious diaphragmatic muscle waste after mechanical ventilation**. *Clinical Nutrition ESPEN*. 40. 504-505. 10.1016/j.clnesp.2020.09.294. Cobilinschi, C. & Tiglis, M. & Baetu, A. &

- Cotae, A.M. & Melente, O.M. & Costache, M. & Grințescu, Ioana. (2020).
4. **The role of procalcitonin in modulation of antibiotic therapy-meta-analysis**, Băetu Alexandru Emil, Ioana Cristina Grințescu, Ioana Marina Grințescu, Abstract Book SRATI 2018
 5. **Multiple organ dysfunction induced by alprostadilum in a patient diagnosed with scleroderma(SYSTEMIC SCLEROSIS)** ", 6th International Medical Congress for Students and Young Doctors MedEspera, 12-14 MAY 2016, pg 12. Chisinau, Republic of Moldova, ISBN:978-9975-3028-3-8
 6. **Myelodysplastic syndrome evaluation IPSS or MD ANDERSON SCORE?"** Abstract Book, 25th International Medical Sciences Student Congress, 13-15 May 2016, pg.54, Istanbul, Turcia,
 7. **Assessment of new methods of diagnosis and prognosis of patients with myelodysplastic syndrome?"**, Medical International Conference for Students, MEDICS, pg. 59, Aprilie 2016 BUCURESTI, ROMANIA, ISSN 2501-3882
 8. **The musculoskeletal ultrasounds pattern of enthesitis in systemic sclerosis -A PILOT STUDY"**, Medical International Conference for Students, MEDICS, pg.39, Aprilie 2016 BUCURESTI, ISSN 2501-3882
 9. **Ultrasound-evaluation tool for subclinical enthesopathy in systemic sclerosis PILOT STUDY**, 7th Annual International Medical Students Meeting 11, 12 & 13th March 2016, pg, 30 LISBON, PORTUGAL
 10. **Markers of Plaque Instability in Acute Coronary Syndromes revealed by coronary CT and Intravascular Ultrasound"**, The XVII Craiova International medical student' Conference
 11. **A Being a student scientist – How to nail it?** Alexandru Emil Baetu-Acta medica Portuguesa
 12. **Epidemiology and antimicrobial susceptibility profiles of bacteria causing urinary tract infection in Romania 2011-2014"**, Abstract Book, 2nd Global Student's Conference of Biomedical Sciences, ISBN 978-86-918125-1-5;
 13. **Posttraumatic coagulopathy evaluation risk with SCUB score**, Ioana Cristina Grințescu, Alexandru Emil Baetu, Ioana Marina Grințescu, București, România Abstract Book SRATI 2018
 14. **Evaluation of resistance to cefepime in patients with urinary tract infection**, 6th International Medical Congress for Students and Young Doctors MedEspera, 12-14 MAY 2016, pg 94-95. Chisinau, Republic of Moldova, ISBN:978-9975-3028-3-8
 15. **Drug eluting balloon for treatment of in-stent restenosis"**, Abstract Book, 10th International Medical Students' Congress In NOVI SAD 2015, ISBN 978-86-7197-450-9;
 16. **Methylenetetrahydrofolate reductase(MTHFR) Polymorphism and prevalence of other genetic markers in spontaneous abortions pathogenesis in patients with hereditary thrombophilia"**, Abstract Book, 10th International Medical Students' Congress In NOVI SAD 2015, ISBN 978-86-7197-450-9
 17. **Improved outcomes in earlier arterial switch operation (ASO) in neonates with transposition of the great arteries** Abstract Book, 10th International Medical Students' Congress In NOVI SAD 2015, ISBN 978-86-7197-450-9;
 18. **Correlation between Mallampati score and the severity of obstructive sleep apnee syndrome"**, The XVII Craiova International medical student' Conference;
 19. **The impact of the infections caused by most common isolates in cancer patients"**, 7th Annual International Medical Students Meeting 11, 12 & 13th March 2016, pg 15 LISBON, PORTUGAL
 20. **Ultrasound evaluation in patients diagnosed with diffuse systemic sclerosis"**, International Medical Students Conference Krakow Polonia, Pg, 58, April 14th-16th 2016, ISSN:0033-2240
 21. **Is ultrasound an easy and reliable tool to be used by newcomers in evaluation of musculoskeletal conditions?**, International Medical Students Conference Krakow Polonia, Pg, 58, April 14th-16th 2016, ISSN:0033-2240



REALIZĂRI

1. Nominalizat la premiul Young Investigator Award în cadrul Congresului European de Terapie Intensivă Pediatrică și Neonatală (ESPNIC 2022-Barcelona) pentru lucrarea: Prediction of Sepsis Progression in Septic Shock in pediatric intensive care unit-a machine learning perspective. (prim autor)
2. Premiul Special "Gheorghe Marinescu pentru cea mai bună comunicare orală din cadrul Congresului Societății Române de Terapie Intensivă(2020) pentru lucrarea: Estimation of fibrinogen deficit based on base excess and lactate level at the patient with multiple trauma (prim autor)
3. Premiul I la Congresul European de Nutriție Clinică (ESPEN 2020) pentru lucrarea: Precocious diaphragmatic muscle waste after Mechanical ventilation (co-autor)

4. Premiul 1 pentru cea mai buna comunicare orală din cadrul Congresului Societății Române de Terapie Intensivă 2018 pentru lucrarea: Posttraumatic coagulopathy evaluation Risk with SCUB Score (co-autor)
5. Premiul 1 la secțiunea "Clinical Medicine" în cadrul congresului MEDICS București 2016 și Premiul Special pentru cea mai bună cercetare (distincție oferită de Șir Timothy Hunt) pentru lucrarea: The musculoskeletal ultrasound pattern of enthesitis in sistemic sclerosis-a pilot Study- prim autor
6. Premiul 1 pentru cel mai bun Poster din cadrul congresului AINS-Lisabona 2016 pentru lucrarea: Ultrasound evaluation tool for subclinical enthesopathy în sistemic sclerosis (prim-autor)
7. Premiul 1 la secțiune de Medicină Internă a Internațional Medical Students Conference Krakow-Poland pentru lucrarea: Ultrasound evaluation in patients diagnosed with diffuse systemic sclerosis (co-autor)
8. Premiul 1 la secțiunea Microbiologie, Farmacologie și Dermatologie la Global Students Conference Belgrade 2015 pentru lucrarea: "Epidemiology and antimicrobial susceptibility profile of bacteria causing urinare tract infection in România 2011-2014" (prim autor)
9. Premiul 1 la secțiunea 4: ginecologie, imunologie, oncologie și pediatrie (Novi Sad, Serbia IMCS2015) pentru lucrarea: Methylenetetrahydrogolate redactase (MTHFR) polymorphism and prevalente of other genetics markers in spontanous abortions pathogenesis in patients with hereditary thrombophilia (co-autor)



ABILITĂȚI

GraphPad Prism



Medcalc



BioVinci



Pachet Office

