



## Alexandru Florin Rogobete

**Data nașterii:** 20/04/1991 | **Cetățenie:** română | **Gen:** Masculin |

**ORCID:** <https://orcid.org/0000-0003-1286-4431> | **Researcher ID:** F-4334-2014 |

**Scopus ID:** 56979298600

### EXPERIENȚA PROFESIONALĂ

14/02/2023 – ÎN CURS București, România  
**SECRETAR DE STAT MINISTERUL SĂNĂTĂȚII**

08/2020 – ÎN CURS Timisoara, România  
**ASISTENT UNIVERSITAR UNIVERSITATEA DE MEDICINA SI FARMACIE "VICTOR BABES", FACULTATEA DE MEDICINA**

12/2019 Timisoara, România  
**MEDIC REZIDENT - ANESTEZIE SI TERAPIE INTENSIVA SPITALUL CLINIC JUDETEAN DE URGENTA "PIUS BRINZEU" TIMISOARA**

Suspendat

**Adresă** Timisoara, România | **Site de internet** [www.hosptm.ro](http://www.hosptm.ro)

08/2017 – ÎN CURS  
**RESEARCH MENTOR EUROPEAN SOCIETY OF ANAESTHESIA (ESA)**

**Adresă** Brussels, Belgia | **Site de internet** [www.esahq.org](http://www.esahq.org)

07/2017 – ÎN CURS Bucuresti, România  
**DEPARTAMENTUL DE EDUCATIE MEDICALA SI CERCETARE CLINICA SOCIETATEA ROMANA DE ANESTEZIE SI TERAPIE INTENSIVA (SRATI)**

**Adresă** Bucharest, România | **Site de internet** [www.srati.ro](http://www.srati.ro)

02/12/2021 – 13/02/2023 București, România  
**CONSILIER MINISTRU MINISTERUL SĂNĂTĂȚII**

**Site de internet** [www.ms.ro](http://www.ms.ro)

07/2020 – 31/12/2020 Bucuresti, România  
**CONSILIER SECRETAR DE STAT MINISTERUL SANATATII**

02/2019 – 12/2019  
**CLINICAL EDUCATION SPECIALIST GE HEALTHCARE LCS EEAST EUROPE**

**Adresă** Bucharest, România | **Site de internet** [www.ge.com](http://www.ge.com)

01/2016 – 02/2019  
**CLINICAL INTERN GE HEALTHCARE ROMANIA**

**Adresă** Bucharest, România | **Site de internet** [www.ge.com](http://www.ge.com)



## ● EDUCAȚIE ȘI FORMARE PROFESIONALĂ

2009 – 2013 Timisoara, România

**DIPLOMA DE LICENȚĂ** Facultatea de Chimie, Biologie, Geografie, Universitatea de Vest din Timișoara

**Adresă** Timisoara, România | **Site de internet** [www.uvt.ro](http://www.uvt.ro)

2012 – 2015 Timisoara, România

**STUDII DE MASTERAT ÎN CHIMIE** Facultatea de Chimie, Biologie, Geografie, Universitatea de Vest din Timișoara

**Adresă** Timisoara, România | **Site de internet** [www.uvt.ro](http://www.uvt.ro)

2012 – 2019 Timisoara, România

**DIPLOMĂ DE LICENȚĂ - DOCTOR MEDIC** Facultatea de Medicină, Universitatea de Medicină și Farmacie "Victor Babeș"

**Adresă** Timisoara, România | **Site de internet** [www.umft.ro](http://www.umft.ro)

2016 – ÎN CURS Timisoara, România

**STUDII DE DOCTORAT ÎN MEDICINĂ** Facultatea de Medicină, Universitatea de Medicină și Farmacie "Victor Babeș"

**Adresă** Timisoara, România | **Site de internet** [www.umft.ro](http://www.umft.ro)

2019 – ÎN CURS Timisoara, România

**MEDIC REZIDENT - ANESTEZIE ȘI TERAPIE INTENSIVĂ** Clinica de Anestezie și Terapie Intensivă, Spitalul Clinic Județean de Urgență "Pius Brînzeu"

**Adresă** Timisoara, România | **Site de internet** [www.hsoptm.ro](http://www.hsoptm.ro)

08/2021 – 07/2022 Timisoara, România

**STUDII DE MASTERAT - MANAGEMENTUL SERVICIILOR SOCIALE ȘI DE SĂNĂȚATE** Universitatea de Medicină și Farmacie "Victor Babeș" Timișoara

**Adresă** Timisoara, România | **Site de internet** [www.umft.ro](http://www.umft.ro)

2020 – 2021

**EXPERT ACHIZIȚII PUBLICE** Euro Best Team

**Adresă** <https://www.eurobestteam.ro/>

2020 – 2021

**EXPERT ACCESARE FONDURI EUROPENE** Euro Best Team

**Adresă** <https://www.eurobestteam.ro/>

## ● COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehenșiune orală	Citit	Exprimare scrisă	Conversație	
<b>ENGLEZĂ</b>	B2	B2	B2	B2	B2



## INFORMAȚII SUPLIMENTARE

### REȚELE ȘI AFILIERI

**Membru** - New York Academy of Sciences (NYAS);  
- Association of Clinical Research Professionals (ACRP);  
- The International Anesthesia Research Society (IARS);  
- American Society of Anesthesiologist (ASA);  
- European Society of Anaesthesiology (ESA);  
- Romanian Society of Anaesthesia and Intensive Care (SRATI);  
- European Respiratory Society (ERS);  
- Society of Critical Care Anesthesiologist (SOCC);  
- Romanian Society for the Study of Pain (RADS);

### PERMIS DE CONDUCERE

**Permis de conducere:** B

### PROIECTE

#### Proiecte de dezvoltare cu fonduri internaționale

1. Responsabil Expert Tehnic, Spitalul Clinic Județean de Urgență "Pius Brînzeu" Timișoara, „Creșterea capacității administrative și de reacție în situația de urgență generată de COVID – 19 în Spitalul Clinic Județean de Urgență „Pius Brînzeu” Timișoara – Acronim CAPACOV”, Cod MySmis: 139640, Martie 2020 - Iulie 2022;
2. Expert Tehnic, Spitalul Clinic Județean de Urgență "Pius Brînzeu" Timișoara, Procedurile de achiziții publice în cadrul programului Acțiuni Prioritare ATI (AP-ATI), 2021 - Prezent;
3. Expert politici publice, Ministerul Sănătății, Crearea cadrului strategic și operațional pentru planificarea și reorganizarea la nivel național și regional a serviciilor de sănătate, Axa Administrație publică și sistem judiciar eficiente, Cod apel: POCA/513/1/1/Dezvoltarea și introducerea de sisteme și standarde comune în administrația publică ce optimizează procesele decizionale orientate către cetățeni și mediul de afaceri în concordanță cu SCAP, Cod MySmis: 129165, Decembrie 2021 - Octombrie 2022
4. Reprezentant Cabinet Ministru, Ministerul Sănătății, OMS 2932/27.12.2021, Grupul de lucru pentru pregătirea implementării și monitorizării, activităților pe domeniul specific de activitate din Planul Național de Redresare și Reziliență (PNRR) - Componenta 7 Transformare digitală (C7), I3. Realizarea sistemului de eHealth și telemedicină
5. Reprezentant Cabinet Ministru, Ministerul Sănătății, OMS 404/17.02.2022, Constituirea unităților de implementare și monitorizare a proiectelor responsabile de implementarea Reformelor cuprinse în Planul Național de Redresare și Reziliență din domeniul Sănătății.
6. Membru Grup Tehnic de Lucru (GTL), OMS 2148/11.07.2022, Constituirea grupului tehnic de lucru din cadrul Ministerului Sănătății responsabil de pregătirea documentației tehnice pentru derularea achiziției a 12 unități mobile de terapie intensivă neonatală din cadrul Planul Național de Redresare și Reziliență
7. Membru Grup Tehnic de Lucru (GTL), OMS865/22.03.2022, Constituirea grupurilor tehnice de lucru din cadrul Ministerului Sănătății și a instituțiilor din domeniul sănătății responsabile de pregătirea documentației tehnice pentru derularea achizițiilor din cadrul Planul Național de Redresare și Reziliență
8. Membru, OMS3841/2022, Comisia de evaluare a proiectelor depuse în cadrul investiției specifice I.1.3. Unități de asistență medicală ambulatorie din cadrul Planului Național de Redresare și Reziliență al României (PNRR)
9. Membru, OMS3840/2022, Comisia de evaluare a proiectelor depuse în cadrul investiției I.2. Dezvoltarea infrastructurii spitalicești publice din cadrul Planului Național de Redresare și Reziliență al României (PNRR)
10. Membru, OMS3839/2022, Comisia de evaluare a proiectelor depuse în cadrul investiției specifice I.2.4. Echipamente și materiale destinate reducerii riscului de infecții nosocomiale din cadrul Planului Național de Redresare și Reziliență al României (PNRR)

### CONSILIU DE ADMINISTRATIE

01/2022 – 09/2022

**Membru - Consiliu de Administratie**



**OMS 261/04.02.2022 - Ordin de numire:**

- Membru - Reprezentant Ministerul Sănătății: Consiliul de administrație al Spitalului Clinic de Urgență "Bagdasar Arseni" București

10/2022 - 13/02/2023

**Presedinte - Consiliu de Administratie**

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**OMS 261/04.02.2022 - Ordin de numire:**

1. Presedinte - Reprezentant Ministerul Sănătății: Consiliul de administrație al Spitalului Clinic de Urgență "Bagdasar Arseni" București

01/01/2022 - 13/02/2023

**Președinte - Consiliu de Administratie**

---

**OMS 261/04.02.2022 - Ordin de numire:**

1. Presedinte - Reprezentant Ministerul Sănătății: Consiliul de administrație al Spitalului Clinic de Urgență pentru Copii "Grigore Alexandrescu" București

01/2022 - 14/02/2023

**Membru - Consiliu de Administratie**

---

**OMS 261/04.02.2022 - Ordin de numire:**

1. Membru - Reprezentant Ministerul Sănătății: Consiliul de administrație al Institutului National de Geriatrie si Gerontologie "Ana Aslan" Bucuresti

**PROIECTE DE CERCETARE CLINICA**

---

1. Member - "Acces to a better water in the HU-RO cross-border region", HURO/0901/126/2.2.3, Network to overcome common issues with regard to the management of water quality in the cross-border area" Netecowat, Hungary-Romania, Cross-Border Co-operation, Programme 2007-2013;
2. Member - „Dezvoltarea de registre electronice nationale in domeniul tehnicilor de suptleereextracorporealaafunctiilorvitala”, ATICER07/2016,SocietateaRomanadeAnestezie Terapie Intensiva Competitia anuala de granturi de cercetare a Societatii Romane de Anestezie Terapie Intensiva – editia 2016, 2016 – 2018.
3. Study Coordinator–ROEntropy–RomanianClinicalTrialsNetwork–SRATI, ClinicalTrials.gov Identifier: NCT03210077
4. Study Coordinator - Modulation of General Anesthesia Using Entropy and Surgical Pleth Index (ESPTR), ClinicalTrials.govIdentifier:NCT03095430
5. Study Coordinator - Oxidative Stress Expression and Metabolic Imbalance in Critically Ill Polytrauma Patients and the Implications of Antioxidant Therapy on Clinical Outcomes (OSPOL), ClinicalTrials.gov Identifier: NCT03218280

**MEMBRU ÎN BIROURI EDITORIALE**

2014 - 2017

**Editorial board member - Biochemical Genetics**

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Biochemical Genetics, Springer International Publishing AG

2015 - 2022

**Scientific Advisory Board - Clinical Laboratory**

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Clinical Laboratory, Clinical Laboratory Publications GmbH

2016 - ÎN CURS

**Scientific Advisory Board - European Journal of Trauma and Emergency Surgery**

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European Journal of Trauma and Emergency Surgery, Springer International Publishing AG

2016 - ÎN CURS

**Scientific Advisory Board - The Journal of Critical Care Medicine**

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The Journal of Critical Care Medicine, De Gruyter Publishing

2014 – ÎN CURS

**Editorial board member - The Journal of Interdisciplinary Medicine**

---

The Journal of Interdisciplinary Medicine, De Gruyter Publishing

2018 – ÎN CURS

**Scientific Advisory Board - Scientific Reports – Nature**

---

Scientific Reports – Nature, Nature International Publishing

07/2022 – ÎN CURS

**Review Editor - Frontiers in Anesthesiology**

---

Review Editor on the Editorial Board of Critical Care Anesthesiology - Frontiers in Anesthesiology Journal

2019 – 2021

**Guest Editor of Special Issue - Diagnostics**

---

"Multimodal Diagnostic Methods in Sepsis in the Critically Ill Patients"

A special issue of *Diagnostics* (ISSN 2075-4418).

**Link** [https://www.mdpi.com/journal/medicina/special\\_issues/general\\_anesthesia](https://www.mdpi.com/journal/medicina/special_issues/general_anesthesia)

2019 – 2021

**Guest Editor of Special Issue - Medicina**

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"General Anesthesia as a Multimodal Individualized Clinical Concept"

A special issue of *Medicina* (ISSN 1648-9144)

**Link** [https://www.mdpi.com/journal/medicina/special\\_issues/general\\_anesthesia](https://www.mdpi.com/journal/medicina/special_issues/general_anesthesia)

## **CARTI / CAPITOLE**

2014

**Update in Anaesthesia and Intensive Care, Emergency Medicine and Transfusion**

---

Bedreag OH, Rogobete AF, Papurica M. Use of albumin in the critically ill. Update in Anaesthesia and Intensive Care, Emergency Medicine and Transfusion, University Press Targu- Mures, Targu Mures, 2014, pages 13-19, ISBN 978-973-169-304-0.

2015

**Controlled Drug Release Systems in Anesthesia and Intensive Care Unit**

---

Alexandru Florin Rogobete, Ovidiu Horea Bedreag, Gabriela Preda. Controlled Drug Release Systems in Anesthesia and Intensive Care Unit. Lambert Academic Publishing. 2015. Germany, ISBN: 978-3-659-79011-9

2016

**Detection of prostate cancer using epigenetic biomarkers**

---

Raluca Dumache, Alexandru Florin Rogobete, Radu Traian Minciu. Detection of prostate cancer using epigenetic biomarkers. Lambert Academic Publishing. 2016. Germany, ISBN 978-3-659- 87297-6.

2022

**General Anesthesia as a Multimodal Individualized Clinical Concept**

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Alexandru Florin Rogobete, Dorel Sandesc

ISBN 978-3-0365-5005-3 (Hbk); ISBN 978-3-0365-5006-0 (PDF)

<https://doi.org/10.3390/books978-3-0365-5006-0> (registering DOI)

**Link** <https://www.mdpi.com/books/book/5931>



## PUBLICAȚII

### [Use of miRNAs as biomarkers in sepsis](#) – 2015

Dumache R, Rogobete AF, Bedreag OH, Sarandan M, Cradigati AC, Papurica M, Dumbuleu CM, Nartita R, Sandesc D. Use of miRNAs as biomarkers in sepsis. *Anal Cell Pathol (Amst)*. 2015;2015:186716. doi: 10.1155/2015/186716. Epub 2015 Jun 28. PMID: 26221578; PMCID: PMC4499375.

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*Anal Cell Pathol (Amst)*. 2015;2015:186716.

### [MicroRNA Expression is Associated with Sepsis Disorders in Critically Ill Polytrauma Patients](#) – 2018

Rogobete AF, Sandesc D, Bedreag OH, Papurica M, Popovici SE, Bratu T, Popoiu CM, Nitu R, Dragomir T, AAbed HIM, Ivan MV. MicroRNA Expression is Associated with Sepsis Disorders in Critically Ill Polytrauma Patients. *Cells*. 2018 Dec 13;7(12):271. doi: 10.3390/cells7120271. PMID: 30551680; PMCID: PMC6316368.

---

*Cells*. 2018 Dec 13;7(12):271. doi: 10.3390/cells7120271.

### [Advances in Biomarkers in Critical Ill Polytrauma Patients](#) – 2016

Papurica M, Rogobete AF, Sandesc D, Dumache R, Cradigati CA, Sarandan M, Nartita R, Popovici SE, Bedreag OH. Advances in Biomarkers in Critical Ill Polytrauma Patients. *Clin Lab*. 2016;62(6):977-86. doi: 10.7754/clin.lab.2015.151103. PMID: 27468558.

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*Clin Lab* . 2016;62(6):977-86. doi: 10.7754/clin.lab.2015.151103.

### [The Link Between Selenium, Oxidative Stress and Pregnancy Induced Hypertensive Disorders](#) – 2018

Bizerea TO, Dezzi SG, Marginean O, Stroescu R, Rogobete A, Bizerea-Spiridon O, Ilie C. The Link Between Selenium, Oxidative Stress and Pregnancy Induced Hypertensive Disorders. *Clin Lab*. 2018 Oct 1;64(10):1593-1610. doi: 10.7754/Clin.Lab.2018.180307. PMID: 30336534.

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*Clin Lab* . 2018 Oct 1;64(10):1593-1610. doi: 10.7754/Clin.Lab.2018.180307.

### [Early Prediction of Sepsis Incidence in Critically Ill Patients Using Specific Genetic Polymorphisms](#)

David VL, Ercisli MF, Rogobete AF, Boia ES, Horhat R, Nitu R, Diaconu MM, Pirtea L, Ciuca I, Horhat D, Horhat FG, Licker M, Popovici SE, Tanasescu S, Tataru C. Early Prediction of Sepsis Incidence in Critically Ill Patients Using Specific Genetic Polymorphisms. *Biochem Genet*. 2017 Jun;55(3):193-203. doi: 10.1007/s10528-016-9785-2. Epub 2016 Dec 9. PMID: 27943002.

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*Biochem Genet* . 2017 Jun;55(3):193-203. doi: 10.1007/s10528-016-9785-2.

### [New perspectives of volemic resuscitation in polytrauma patients: a review](#) – 2016

Bedreag OH, Papurica M, Rogobete AF, Sarandan M, Cradigati CA, Vernic C, Dumbuleu CM, Nartita R, Sandesc D. New perspectives of volemic resuscitation in polytrauma patients: a review. *Burns Trauma*. 2016 Feb 16;4:5. doi: 10.1186/s41038-016-0029-9. PMID: 27574675; PMCID: PMC4964009.

---

*Burns Trauma* . 2016 Feb 16;4:5. doi: 10.1186/s41038-016-0029-9.

### [The role of ketamine in the treatment of chronic cancer pain](#) – 2015

Zgaia AO, Irimie A, Sandesc D, Vlad C, Lisencu C, Rogobete A, Achimas-Cadariu P. The role of ketamine in the treatment of chronic cancer pain. *Clujul Med*. 2015;88(4):457-61. doi: 10.15386/cjmed-500. Epub 2015 Nov 15. PMID: 26733743; PMCID: PMC4689236.

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*Clujul Med* . 2015;88(4):457-61. doi: 10.15386/cjmed-500.

### [Assessment of Metabolic and Nutritional Imbalance in Mechanically Ventilated Multiple Trauma Patients: From Molecular to Clinical Outcomes](#)

– 2019

Rogobete AF, Grintescu IM, Bratu T, Bedreag OH, Papurica M, Crainiceanu ZP, Popovici SE, Sandesc D. Assessment of Metabolic and Nutritional Imbalance in Mechanically Ventilated Multiple Trauma Patients: From Molecular to Clinical Outcomes. *Diagnostics (Basel)*. 2019 Nov 1;9(4):171. doi: 10.3390/diagnostics9040171. PMID: 31683927; PMCID: PMC6963656.

---

*Diagnostics (Basel)* . 2019 Nov 1;9(4):171. doi: 10.3390/diagnostics9040171



**The Use of Exosomes as Biomarkers for Evaluating and Monitoring Critically Ill Polytrauma Patients with Sepsis**

– 2017

Ticlea M, Bratu LM, Bodog F, Bedreag OH, Rogobete AF, Crainiceanu ZP. The Use of Exosomes as Biomarkers for Evaluating and Monitoring Critically Ill Polytrauma Patients with Sepsis. *Biochem Genet.* 2017 Feb;55(1):1-9. doi: 10.1007/s10528-016-9773-6. Epub 2016 Sep 9. PMID: 27612681.

---

*Biochem Genet.* 2017 Feb;55(1):1-9. doi: 10.1007/s10528-016-9773-6.

**Cannabis Sativa Revisited-Crosstalk between microRNA Expression, Inflammation, Oxidative Stress, and Endocannabinoid Response System in Critically Ill Patients with Sepsis**

– 2020

Dinu AR, Rogobete AF, Bratu T, Popovici SE, Bedreag OH, Papurica M, Bratu LM, Sandesc D. *Cannabis Sativa* Revisited-Crosstalk between microRNA Expression, Inflammation, Oxidative Stress, and Endocannabinoid Response System in Critically Ill Patients with Sepsis. *Cells.* 2020 Jan 28;9(2):307. doi: 10.3390/cells9020307. PMID: 32012914; PMCID: PMC7072707.

---

*Cells.* 2020 Jan 28;9(2):307. doi: 10.3390/cells9020307.

**Circulating microRNAs Expressions as Genetic Biomarkers in Pancreatic Cancer Patients Continuous Non-Invasive Monitoring**

– 2017

Sandesc M, Dinu A, Rogobete AF, Bedreag OH, Sandesc D, Papurica M, Bratu LM, Negoita S, Vernic C, Popovici SE, Corneci D. Circulating microRNAs Expressions as Genetic Biomarkers in Pancreatic Cancer Patients Continuous Non-Invasive Monitoring. *Clin Lab.* 2017 Oct 1;63(10):1561-1566. doi: 10.7754/Clin.Lab.2017.170608. PMID: 29035444.

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*Clin Lab.* 2017 Oct 1;63(10):1561-1566. doi: 10.7754/Clin.Lab.2017.170608.

**Genetic and Epigenetic Biomarkers of Molecular Alterations in Oral Carcinogenesis** – 2015

Dumache R, Rogobete AF, Andreescu N, Puiu M. Genetic and Epigenetic Biomarkers of Molecular Alterations in Oral Carcinogenesis. *Clin Lab.* 2015;61(10):1373-81. doi: 10.7754/clin.lab.2015.150327. PMID: 26642697.

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*Clin Lab.* 2015;61(10):1373-81. doi: 10.7754/clin.lab.2015.150327.

**Circulating MicroRNAs as Promising Biomarkers in Forensic Body Fluids Identification** – 2015

Dumache R, Ciocan V, Muresan C, Rogobete AF, Enache A. Circulating MicroRNAs as Promising Biomarkers in Forensic Body Fluids Identification. *Clin Lab.* 2015;61(9):1129-35. doi: 10.7754/clin.lab.2015.150207. PMID: 26554231.

---

*Clin Lab.* 2015;61(9):1129-35. doi: 10.7754/clin.lab.2015.150207.

**microRNAs Expression as Novel Genetic Biomarker for Early Prediction and Continuous Monitoring in Pulmonary Cancer**

– 2017

Nitu R, Rogobete AF, Gundogdu F, Tanasescu S, Boruga O, Sas A, Popovici SE, Hutanu D, Pilut C, Sarau CA, Candea AC, Stan AT, Moise LM. microRNAs Expression as Novel Genetic Biomarker for Early Prediction and Continuous Monitoring in Pulmonary Cancer. *Biochem Genet.* 2017 Aug;55(4):281-290. doi: 10.1007/s10528-016-9789-y. Epub 2017 Jan 9. PMID: 28070693.

---

*Biochem Genet.* 2017 Aug;55(4):281-290. doi: 10.1007/s10528-016-9789-y.

**Redox Changes Induced by General Anesthesia in Critically Ill Patients with Multiple Traumas** – 2015

Papurica M, Rogobete AF, Sandesc D, Dumache R, Nartita R, Sarandan M, Cradigati AC, Luca L, Vernic C, Bedreag OH. Redox Changes Induced by General Anesthesia in Critically Ill Patients with Multiple Traumas. *Mol Biol Int.* 2015;2015:238586. doi: 10.1155/2015/238586. Epub 2015 Nov 26. PMID: 26693352; PMCID: PMC4674615.

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*Mol Biol Int.* 2015;2015:238586. doi: 10.1155/2015/238586





**Early Evaluation and Monitoring of Critical Patients with Acute Respiratory Distress Syndrome (ARDS) Using Specific Genetic Polymorphisms**

– 2017

Horhat FG, Gundogdu F, David LV, Boia ES, Pirtea L, Horhat R, Cucui-Cozma A, Ciuca I, Diaconu M, Nitu R, Licker M, Horhat DI, Rogobete AF, Moise ML, Tataru C. Early Evaluation and Monitoring of Critical Patients with Acute Respiratory Distress Syndrome (ARDS) Using Specific Genetic Polymorphisms. *Biochem Genet.* 2017 Jun;55(3):204-211. doi: 10.1007/s10528-016-9787-0. Epub 2017 Jan 9. PMID: 28070694.

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*Biochem Genet.* . 2017 Jun;55(3):204-211. doi: 10.1007/s10528-016-9787-0.

**New Molecular and Epigenetic Expressions as Novel Biomarkers in Critically Ill Polytrauma Patients with Acute Kidney Injury (AKI)**

– 2018

Ivan MV, Rogobete AF, Bedreag OH, Papurica M, Popovici SE, Dinu A, Sandesc M, Beceanu A, Bratu LM, Popoiu CM, Sandesc D, Boruga O, Fulger L. New Molecular and Epigenetic Expressions as Novel Biomarkers in Critically Ill Polytrauma Patients with Acute Kidney Injury (AKI). *Clin Lab.* 2018 May 1;64(5):663-668. doi: 10.7754/Clin.Lab.2018.171226. PMID: 29739062.

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*Clin Lab.* . 2018 May 1;64(5):663-668. doi: 10.7754/Clin.Lab.2018.171226.

**The Use of Circulating miRNAs as Biomarkers for Oxidative Stress in Critically Ill Polytrauma Patients**

– 2016

Bedreag OH, Sandesc D, Chiriac SD, Rogobete AF, Cradigati AC, Sarandan M, Dumache R, Nartita R, Papurica M. The Use of Circulating miRNAs as Biomarkers for Oxidative Stress in Critically Ill Polytrauma Patients. *Clin Lab.* 2016;62(3):263-74. doi: 10.7754/clin.lab.2015.150740. PMID: 27156313.

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*Clin Lab.* . 2016;62(3):263-74. doi: 10.7754/clin.lab.2015.150740.

**Multiparametric Monitoring of Hypnosis and Nociception-Antinociception Balance during General Anesthesia-A New Era in Patient Safety Standards and Healthcare Management**

– 2021

Rogobete AF, Bedreag OH, Papurica M, Popovici SE, Bratu LM, Rata A, Barsac CR, Maghiar A, Garofil DN, Negrea M, Petcu LB, Toma D, Dumbuleu CM, Rimawi S, Sandesc D. Multiparametric Monitoring of Hypnosis and Nociception-Antinociception Balance during General Anesthesia-A New Era in Patient Safety Standards and Healthcare Management. *Medicina (Kaunas).* 2021 Feb 2;57(2):132. doi: 10.3390/medicina57020132. PMID: 33540844; PMCID: PMC7913052.

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*Medicina (Kaunas).* . 2021 Feb 2;57(2):132. doi: 10.3390/medicina57020132.

**Using the Expression of Damage-Associated Molecular Pattern (DAMP) for the Evaluation and Monitoring of the Critically Ill Polytrauma Patient**

– 2016

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– 2022

Ritiu SA, Rogobete AF, Sandesc D, Bedreag OH, Papurica M, Popovici SE, Toma D, Ivascu RI, Velovan R, Garofil DN, Corneci D, Bratu LM, Pahontu EM, Pistol A. The Impact of General Anesthesia on Redox Stability and Epigenetic Inflammation Pathways: Crosstalk on Perioperative Antioxidant Therapy. *Cells*. 2022; 11(12):1880. <https://doi.org/10.3390/cells11121880>

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## Update on Current Concepts in Management of Severe Hemorrhagic Shock and Optimal Individualized Fluid Therapy in Critically Ill Polytrauma Patients

– 2022

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## **PRESENTATIONS / PAPERS AT NATIONAL AND INTERNATIONAL SCIENTIFIC EVENTS**

### Presentations / papers at national and international scientific events

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1. Rogobete, AF, Preda, G., Chemical reactions in the microwave, Students 'Scientific' Circle Principles ", Twelfth Edition, West University of Timisoara, Faculty of Chemistry, Biology, Geography, Chemistry Department, 2011;
2. Rogobete, AF, Preda, G., Controlled release of biologically active compounds in sol-gel matrices, Scientific Session, 19th Edition, West University of Timisoara, Faculty of Chemistry, Biology, Geography, Chemistry Department, 2013;
3. Rogobete, AF, Albu, P., Dragomirescu, M., Preda, G., Controlled release of bioactive substances from sol-gel matrixes, Academic Days Timiseni, West University of Timisoara, multidisciplinary research and training platform "Nicholas Georgescu - Roegen" advanced environmental research laboratories, 2013;
4. Rogobete, AF, Sarandan, M., Preda, G., Bupivacaine Liposome - new trends in Anaesthesia and Intensive Care Unit, Students 'Scientific' Circle Principles ", West University of Timisoara, Faculty of Chemistry, Biology, Geography Timisoara, Romania, 2014;
5. Rogobete, AF, Preda, G., Analgesia supported by minimal invasive maneuvers - Progress controlled release systems of biologically active substances, Students Scientific Communications Session, West University of Timisoara, Timisoara, Romania, 2014
6. Rogobete, AF, Preda, G, Dragomirescu, M. Controlled release of bovine serum albumin from silica matrixes, Bioengineering of Animal Resources, Banat University of Agricultural Science and Veterinary Medicine "King Michael I of Romania", Timisoara, Romania, 2015
7. Alexandru Florin Rogobete, Ovidiu Horea Bedreag, Carmen Alina Cradigati, Mirela Sarandan, Corina Vernic, Anelore Gruneantu, Marius Papurica, Loredana Luca, Mihai Sandesc, Dorel Sandesc. The modifies of the lipidic profile in the critically ill trauma patient. The modulation of the redox expression by administrating of the antioxidants. A prospective study. The 42st Congress of the Romanian Society of Anaesthesia and Intensive Care, International Conference Centre, Sinaia, Romania, 2016;
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9. Loredana Luca, Alexandru Florin Rogobete, Ovidiu Horea Bedreag, Marius Papurica, Carmen Alina Cradigati, Mirela Sarandan, Corina Vernic, Ancuta Pop Coman, Lavinia Melania Bratu, Dorel Sandesc. The redox expression in the critically ill trauma patient. The influence of the antioxidant therapy on the incidence of sepsis. A prospective study of single center. The 42st Congress of the Romanian Society of Anaesthesia and Intensive Care, International Conference Centre, Sinaia, Romania, 2016;
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11. Alexandru Florin Rogobete, GE Healthcare Basic Scientific Writing Course, Victor Babes University of Medicine and Pharmacy, Timisoara, Romania, 2016
12. Alexandru Florin Rogobete, Basic Scientific Writing Course, Cursul National de Ghiduri si Protocoale in Anestezie, Terapie Intensiva si Medicina de Urgenta, Timisoara, Romania, 2016
13. Alexandru Florin Rogobete, Gas Exchange/Metabolism Monitoring, GE Healthcare Multimodal Monitoring Romanian Tour, Romania, 2016





14. Alexandru Florin Rogobete, Ovidiu Horea Bedreag, Marius Papurica, Carmen Alina Cradigati, Mirela Sarandan, Sonia Elena Popovici, Dorel Sandesc, Adequacy of Anaesthesia in Trauma patients, The 11st PanArab Anaesthesia and Intensive Care Congress, Intercontinental Conference Centre, Dubai, November, UAE, 2016;
15. L Luca, A Rogobete, O Bedreag, M Papurica, M Sarandan, C Cradigati, S Popovici, C Vernic, D Sandesc. Multimodal monitoring in critically ill polytrauma patient with traumatic brain injury (TBI). 37th International Symposium on Intensive Care and Emergency Medicine. Critical Care2017, 21(Suppl 1):56. <https://doi.org/10.1186/s13054-017-1630-4>
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19. A Rogobete, O Bedreag, D Sandesc. ENTROPY - GUIDED DEPTH OF HYPNOSIS ON GENERAL ANAESTHESIA IN CRITICALLY ILL POLYTRAUMA PATIENTS. 2nd EuroAsia Conference, Hong Kong, 2018
20. Alexandru Florin Rogobete, Ovidiu Bedreag, Marius Păpurică, Carmen Alina Gizea, Mirela Sarandan, Corina Vernic, Sonia Elena Popovici, Lavinia Melania Bratu, Loredana Luca, Dorel Săndesc. Entropy-guided depth of hypnosis on general anaesthesia in critically ill polytrauma patients. The 44st Congress of the Romanian Society of Anaesthesia and Intensive Care, International Conference Centre, Sinaia, Romania, 2018;
21. Alexandru Florin Rogobete, Ovidiu Bedreag, Marius Păpurică, Carmen Alina Gizea, Mirela Sarandan, Sonia Elena Popovici, Dorel Săndesc. Monitoring energy demand in the multiple trauma critically ill patient with sepsis based on indirect calorimetry. A prospective observational monocentric study. The 44st Congress of the Romanian Society of Anaesthesia and Intensive Care, International Conference Centre, Sinaia, Romania, 2018;
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23. A. F. Rogobete, O. H. Bedreag, M. Papurica, D. Sandesc. Monitoring energy demand in the multiple trauma critically ill patient with sepsis based on indirect calorimetry. A prospective observational monocentric study. Euroanaesthesia 2018, Copenhagen
24. A.F. Rogobete. Basic Scientific Writing Course, Endoped Congress 2018, Romanian Society of Nutrition in Pediatric Patients, Timisoara, Romania
25. AF Rogobete. Oxidative stress – as molecular metabolic disaster and antioxidant therapy in critically ill polytrauma patients. ICU National Conference Poland, 2018
26. AF Rogobete. Indirect Calorimetry as Energy Expenditure Multimodal Monitoring and Implications on Clinical Outcomes in Critically Ill Polytrauma Patients. Anesthesiology, San Francisco, SUA, 2018
27. AF Rogobete. State and Response Entropy: Guided General Anaesthesia in Critically Ill Polytrauma Patients, Anesthesiology, San Francisco, SUA, 2018
28. AF Rogobete. Oxidative Stress and Indirect Calorimetry in critically ill polytrauma patients. ROSPEN Congress 2018, Poiana Brasov, Romania
29. AF Rogobete. Entropy in Trauma. SRATI Congress 2019, Sinaia, Romania
30. AF Rogobete. Vitamin C in trauma - clinical outcomes, Kazaskthan Anaesthesia Congress 2019, Astana, Kazaskthan
31. AF Rogobete. Cannabinoids in sepsis. New face for ICU? ROSPEN Congress 2019, Poiana Brasov, Romania

2019

**Cannabinoids in sepsis. New face for ICU? | ROSPEN Congress | Poiana Brasov | Romania**

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2019

**Vitamin C in trauma - clinical outcomes | Kazaskthan Anaesthesia Congress | Astana | Kazaskthan**

---



2019  
**Entropy in Trauma | The National Congress of Romanian Society of Anaesthesia and Intensive Care | Sinaia | Romania**

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2018  
**Oxidative Stress and Indirect Calorimetry in critically ill polytrauma patients | ROSPEN Congress | Poiana Brasov | Romania**

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2018  
**State and Response Entropy: Guided General Anaesthesia in Critically Ill Polytrauma Patients | Anesthesiology Congress | San Francisco | SUA**

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2018  
**Indirect Calorimetry as Energy Expenditure Multimodal Monitoring and Implications on Clinical Outcomes in Critically Ill Polytrauma Patients | Anesthesiology | San Francisco | SUA**

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2022  
**Impactul fondurilor internaționale asupra răspunsului secțiilor ATI la criza sanitară COVID-19 | Al 48-lea Congres al Societății Române de Anestezie și Terapie Intensivă | Sinaia | Romania**

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2022  
**Impactul monitorizării intraoperatorii a balanței nocicepție – antinocicepție asupra stabilității hemodinamice | Al 48-lea Congres al Societății Române de Anestezie și Terapie Intensivă | Sinaia | Romania**

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## **DISTINȚII ONORIFICE ȘI PREMII**

2015  
**2nd place for Best e-Poster – The 41 th Congress of the Romanian Society of Anaesthesia and Intensive Care** International Conference Centre, Sinaia, Romania

2015  
**Elsevier ScienceDirect Top25 – Elsevier** Elsevier List of Most Downloaded Articles 2015- Liposomal Bupivacaine - New Trends in Anesthesia and Intensive Care Units. Egyptian Journal of Anaesthesia, 2015, 31 (1): 80-95

2016  
**1th place for Best e-Poster – The 42st Congress of the Romanian Society of Anaesthesia and Intensive Care** International Conference Centre, Sinaia, Romania

2016  
**3st place for Best e-Poster – The 42st Congress of the Romanian Society of Anaesthesia and Intensive Care** International Conference Centre, Sinaia, Romania

2016  
**1st place for Best Poster – World Congress of Anaesthesiologists** Hong Kong

2018  
**1st place for the Best Oral Presentation – The 44st Congress of the Romanian Society of Anaesthesia and Intensive Care** International Conference Centre, Sinaia, Romania

## **CERTIFICATE / ACREDITARI**

### **Certifications**

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#### **A. Springer Science. Springer Academy Department (2014):**

1. Certificate of Completion. How to Write and Submit a Journal Article.
2. Certificate of Completion. Journal Author Academy Part 1: Writing your Manuscript.
3. Certificate of Completion. Journal Author Academy Part 2: Submitting and Peer Review
4. Certificate of Completion. Open Access Academy.
5. Certificate of Completion. Peer Review Academy
6. Certificate of Completion. Springer English Academy.

#### **B. European Society of Anaesthesia (ESA, [www.esahq.org](http://www.esahq.org))**

1. Scientific Writer – European Society of Anaesthesia, ESA Masterclass, Brussels, Belgium, 2015
2. Study Design – European Society of Anaesthesia, ESA Masterclass, Poland, 2018





## VIZIBILITATE

### Citations

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h-index: 13

i10-index: 20

(<https://scholar.google.com/citations?user=gwjdfdsAAAAJ&hl=en>)

## VOLUNTARIAT

### Volunteer

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Clinical Medical Student Volunteer (2013 - 2018) - Clinic for Anesthesiology and Intensive Care, Emergency County Hospital "Pius Binzeu" Timisoara