



## Melania Lavinia Bratu

**Nationality:** Romanian

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**Date of birth:** 22/06/1975

**Gender:** Female

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**Address:** Victor Babeş University of Medicine and Pharmacy Timișoara (UMFT),  
Eftimie Murgu 2, Timișoara (Romania)

**Address:** Crinului 72, Giroc (Romania)

### WORK EXPERIENCE

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#### Associate professor, PhD (Department of Neuroscience)

*Victor Babeş University of Medicine and Pharmacy Timișoara (UMFT)* [ 2022 – Current ]

**City:** Timișoara

**Country:** Romania

#### Senior lecturer, PhD (Department of Neuroscience)

*Victor Babeş University of Medicine and Pharmacy Timișoara (UMFT)* [ 2018 – 2022 ]

**City:** Timișoara

**Country:** Romania

#### Clinical psychologist/ Nutrition consultant

*TC Brol Medical Center Ltd.* [ 2013 – Current ]

**City:** Timișoara

**Country:** Romania

#### Chief adviser (local administration)

*AJOFM TIMIȘ* [ 2010 – 2013 ]

**Country:** Romania

- compiling unemployment files;
- counseling the unemployed;
- keeping records of the unemployed across the Timiș county;
- keeping records of companies undergoing insolvency.

#### General manager

*TC Jazz Club Ltd.* [ 2008 – 2010 ]

**Country:** Romania

- organisation of cultural events, theatrical productions, jazz concerts, theatre evenings, book releases;
- management and administration of the club.

#### Maternity leave

[ 2006 – 2008 ]



### Assistant manager

*TC Codalb Ltd.* [ 2001 – 2006 ]

**Country:** Romania

- supervising financial activities;
- collaborating with providers;
- developing in-country contractual relationships;
- responsible for operating several banking services, foreign payments, auction.

### Secretary

*TC Comitel Tal Ltd.* [ 1999 – 2001 ]

**Country:** Romania

- carrying out tasks usually associated with secretarial activities;
- performing tasks related to primary accounting.

## EDUCATION AND TRAINING

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### Master's Degree in Psychotherapy and Clinical Psychology

*Faculty of Psychology (Tibiscus University of Timișoara)* [ 2017 – 2019 ]

**Address:** Timișoara (Romania)

### Bachelor's Degree in Psychology (Certified Psychologist)

*Faculty of Psychology (Tibiscus University of Timișoara)* [ 2014 – 2017 ]

**Address:** Timișoara (Romania)

### Personal Development Counselor

*Happy People Association (Romanian translation: "Asociația Oamenilor Fericiți")* [ 2014 ]

**National classification:** accredited by Romania's Ministry of Labour, Family and Social Protection

### Ph.D. in Agronomy

*USAMVBT (Banat University of Agricultural Sciences and Veterinary Medicine)* [ 2008 – 2013 ]

**Address:** Timișoara (Romania)

**Thesis:** A Study on the Chemical Composition and Quality of Spontaneous Medicinal Plants growing in the Most Polluted Areas (Hunedoara County)

### Trainer

*AFPA (National Agency for Adult Vocational Training)* [ 2012 ]

### Phytotherapist

*ANATECOR (National Association of Complementary Therapies in Romania)* [ 2012 ]

### Nutrition Technician

*ANATECOR (National Association of Complementary Therapies in Romania)* [ 2012 ]



### Master's Degree

USAMVBT (*Banat University of Agricultural Sciences and Veterinary Medicine*) [ 2008 – 2010 ]

Address: Timișoara (Romania)

Field(s) of study: Environmental Pollution Management

### Bachelor's Degree in Economics (Certified Economist)

Faculty of Management (*West University of Timișoara*) [ 2003 – 2008 ]

Address: Timișoara (Romania)

### Bachelor's Degree in Biology (Certified Biologist)

Faculty of Biology (*West University of Timișoara*) [ 1998 – 2003 ]

Address: Timișoara (Romania)

## LANGUAGE SKILLS

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Mother tongue(s): **Romanian**

Other language(s):

### English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

### French

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

## DIGITAL SKILLS

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Microsoft Office (Excel PowerPoint Word) - advanced level / Macintosh and IOS

## COMMUNICATION AND INTERPERSONAL SKILLS

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### Assertiveness

- negotiating skills;
- considerable interpersonal skills;
- team spirit;
- sheer joy in working with people for their own benefit and personal development;
- active participation in social activities;
- tolerance and patience.

## ORGANISATIONAL SKILLS

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### Soft skills (time management, the ability to work in a team, etc.)

- undertaking tasks and fulfilling them on time;
- flexibility;
- team player;
- the ability to work under pressure.

## DRIVING LICENCE

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Driving Licence: B



## PUBLICATIONS

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### **The Use of Redox Expression and Associated Molecular Damage to Evaluate the Inflammatory Response in Critically Ill Patient with Severe Burn**

[2016]

**Bratu LM(1)**, Rogobete AF(2)(3), Sandesc D(4)(5), Bedreag OH(4)(5), Tanasescu S(4), Nitu R(4), Popovici SE(4), Crainiceanu ZP(4) The Use of Redox Expression and Associated Molecular Damage to Evaluate the Inflammatory Response in Critically Ill Patient with Severe Burn. *Biochem Genet.* 2016 Dec;54(6):753-768. Epub 2016. DOI: 10.1007/s10528-016-9763-8 PMID: 27465592 [Indexed for MEDLINE]

### **Literature research regarding mirnas expression in the assessment and evaluation of the critically ill polytrauma patient with traumatic brain and spinal cord injury**

[2016]

**Lavinia Melania Bratu**; Alexandru Florin Rogobete; Marius Papurica; Dorel Sandesc; Carmen Alina Cradigati; Mirela Sarandan; Raluca Tomache; Sonia Elena Popovici; Dan Cristian Crisan; Horea Stanca; Sonia Tanasescu; Ovidiu Horea Bedreag. Literature research regarding mirnas expression in the assessment and evaluation of the critically ill polytrauma patient with traumatic brain and spinal cord injury. *Clinical Laboratory*, 2016, Doi: 10.7754/ Clin. Lab.2016.160327

### **Impact of General Anesthesia Guided by State Entropy (SE) and Response Entropy (RE) on Perioperative Stability in Elective Laparoscopic Cholecystectomy Patients – A Prospective Observational Randomized Monocentric Study**

[2020]

Anca Raluca Dinu Alexandru Florin Rogobete, Sonia Elena Popovici, Ovidiu Horea Bedreag, Marius Papurica, Corina Maria Dumbuleu, Raluca Ramona Velovan, Daiana Toma, Corina Maria Georgescu, Lavinia Ioana Trache, Claudiu Barsac, Loredana Luca, Bettina Buzzi, Andra Maghiar, Mihai Alexandru Sandesc, Samir Rimawi, Madalin Marian Vaduva, **Lavinia Melania Bratu**, Paul Manuel Luminosu and Dorel Sandesc - March 2020 *Entropy* 22(3): 356. DOI: 10.3390/e22030356. Impact of General Anesthesia Guided by State Entropy (SE) and Response Entropy (RE) on Perioperative Stability in Elective Laparoscopic Cholecystectomy Patients – A Prospective Observational Randomized Monocentric Study

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

[2021]

Rogobete, A.F.; Bedreag, O.H.; Papurica, M.; Popovici, S.E.; **Bratu, L.M.**; Rata, A.; Barsac, C.R.; Maghiar, A.; Garofil, D.N.; Negrea, M.; et al. Multiparametric Monitoring of Hypnosis and Nociception- Antinociception Balance during General Anesthesia – A New Era in Patient Safety Standards and Healthcare Management. *Medicina* 2021, 57, 132. <https://doi.org/10.3390/medicina57020132>

### **Infodemia: Another Enemy for Romanian Frontline Healthcare Workers to Fight during the COVID-19 Outbreak**

[2020]

Secosan, I.; Virga, D.; Crainiceanu, Z.P.; **Bratu, L.M.**; Bratu, T. Infodemia: Another Enemy for Romanian Frontline Healthcare Workers to Fight during the COVID-19 Outbreak. *Medicina* 2020, 56, 679. <https://doi.org/10.3390/medicina56120679>



**The Moderating Role of Personal Resources Between Demands and Ill-Being of Romanian Healthcare Professionals in the COVID-19 Pandemic**

[2021]

Secosan I, Virga D, Crainiceanu ZP, **Bratu LM**, Bratu T. The Moderating Role of Personal Resources Between Demands and Ill-Being of Romanian Healthcare Professionals in the COVID-19 Pandemic. *Front Public Health*. 2021;9:736099. Published 2021 Dec 23. doi:10.3389/fpubh.2021.736099

**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, **L.M. Bratu** et al. Cannabis Sativa Revisited-Crosstalk between microRNA Expression, Inflammation, Oxidative Stress, and Endocannabinoid Response System in Critically Ill Patients with Sepsis. *Cells*. 2020;9(2):307. Published 2020 Jan 28. doi:10.3390/cells9020307

**The influence of metabolic imbalances and oxidative stress on the outcome of critically ill polytrauma patients: a review**

[2017]

Rogobete AF, Sandesc D, Papurica M, Stoicescu ER, Popovici SE, **Bratu LM**, Vernic C, Sas AM, Stan AT, Bedreag OH. The influence of metabolic imbalances and oxidative stress on the outcome of critically ill polytrauma patients: a review. *Burns Trauma*. 2017 Mar 7;5:8. doi: 10.1186/s41038-017-0073-0. eCollection 2017. Review. PubMed PMID: 28286784; PubMed Central PMCID: PMC5341432.

**Analysis of oxidative stress-related markers in critically ill polytrauma patients: An observational prospective single-center study**

[2018]

Sandesc M, Rogobete AF, Bedreag OH, Dinu A, Papurica M, Cradigati CA, Sarandan M, Popovici SE, Bratu **LM**, **Bratu T**, Stan AT, Sandesc D. Analysis of oxidative stress-related markers in critically ill polytrauma patients: An observational prospective single-center study. *Bosn J Basic Med Sci*. 2018 May 20;18(2):191-197. doi: 10.17305/bjbm.2018.2306. PubMed PMID: 29310566; PubMed Central PMCID: PMC5988539.

**The Use of Redox Expression and Associated Molecular Damage to Evaluate the Inflammatory Response in Critically Ill Patient with Severe Burn**

[2016]

**Bratu LM**, Rogobete AF, Sandesc D, Bedreag OH, Tanasescu S, Nitu R, Popovici SE, Crainiceanu ZP. The Use of Redox Expression and Associated Molecular Damage to Evaluate the Inflammatory Response in Critically Ill Patient with Severe Burn. *Biochem Genet*. 2016 Dec;54(6):753-768. Epub 2016 Jul 27. Review. PubMed PMID: 27465592.

**Dietetica, o nouă filosofie de viață! (English translation: "Dietetics, a new philosophy of life!")**

[2016]

<https://carturesti.ro/carte/dietetica-o-noua-filosofie-de-viata-vol-i-ii-19673585>

**#30daysnosugar - Puterea de a reuși împreună (English translation: "#30daysnosugar - Succeeding together")**

[2020]

<https://www.librarie.net/p/394947/>



**#30daysglutenfree - Puterea de a reuși împreună (English translation: "#30daysglutenfree -Succeeding together")**

[2021]

<https://www.librarie.net/p/409773/#30daysglutenfree>

**365 de momente de reconectare cu tine - Jurnal terapeutic (English translation: "365 self-reconnection moments - Therapeutic journaling")**

[2020]

[https://www.librarie.net/p/394946/jurnal-terapeutic-365-de-momente-de-reconectare-cu-tine?gclid=Cj0KCCOiAmeKQBhDvARIsAHJ7mF5iGauYZgqTiv-rhwfhuthqEAXXiTyrO\\_ph8JdPblaiTpf5bkSOapcaAvxWEALw\\_wcB](https://www.librarie.net/p/394946/jurnal-terapeutic-365-de-momente-de-reconectare-cu-tine?gclid=Cj0KCCOiAmeKQBhDvARIsAHJ7mF5iGauYZgqTiv-rhwfhuthqEAXXiTyrO_ph8JdPblaiTpf5bkSOapcaAvxWEALw_wcB)

**Author of ISI impact factor, ISI Proceedings and IDB-indexed articles (50)**

## **CONFERENCES AND SEMINARS**

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**UVT Liberty Marathon - Conference Series**

[ West University of Timișoara, 24/06/2021 ]

Speaker - *De la schimbări mici la un stil de viață sănătos* (English translation: *Small changes adding up to a healthy lifestyle*)

**UVT Liberty Marathon - Conference Series**

[ West University of Timișoara, 20/02/2020 ]

Speaker - *Liber să alegi sănătos* (English translation: *Free to choose healthily*)

**VegFest**

[ 2015 ]

Presentation: *Proteina animală vs. proteina vegetală* (English translation: *Animal vs. Plant Protein*)

**Speaker at over 100 conferences held in Romania**

**Active participation in conferences and seminars held both in Romania and abroad**