

## PERSONAL DATA

## BORCAN LIVIA-CRISTINA



 12th Revolutiei din 1989 Blvd., Timisoara-300041, Romania

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Sex female | Nationality romanian

## PROFESSIONAL EXPERIENCE

- 2016- **PhD Asisstant**  
University of Medicine and Pharmacy, 5th Dept. – Occupational medicine  
[education and research](#)
- 2014 **Resident physician – Occupational medicine**  
Medical Center Sf. Maria Timisoara  
[medical services](#)
- 2013-2015 **Specialist physician – Family medicine**  
Permanent Medical Center Timisoara VI  
[medical services](#)
- 2012-2013 **Specialist physician – Family medicine**  
Adult Disability Assessment Service (DGASPC)  
[medical services](#)
- 2006 **Physician - General medicine with the right of free practice**  
County Ambulance Service Caras-Severin  
[medical services](#)
- 2005 **Physician in training**  
Municipal Emergency Clinical Hospital Timisoara  
[medical services](#)

## EDUCATION AND TRAINING

- 2016-2017 **Teacher training program**  
West University, D.P.P.D  
4th Vasile Pârvan Blvd., Timisoara-300223
- 2015-2019 **PhD in Medical sciences**  
University of Medicine and Pharmacy, Faculty of Medicine  
2nd E. Murgu Sq., Timisoara-300041

2014-2017 **Medical residency program in Occupational Medicine**

Municipal Emergency Clinical Hospital Timisoara  
1st Hector Str., Timisoara-300041

2007-2009 **Medical residency program in Family Medicine**

Municipal Emergency Clinical Hospital Timisoara  
1st Hector Str., Timisoara-300041

2008-2009 **Master in Management of social and medical services**

University of Medicine and Pharmacy, Faculty of Medicine  
2nd E. Murgu Sq., Timisoara-300041

1998-2004 **Bachelor's Degree in Medicine**

University of Medicine and Pharmacy, Faculty of Medicine  
2nd E. Murgu Sq., Timisoara-300041

**PERSONAL SKILLS AND COMPETENCES**

Mother language romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B2	A2	B1	A2
French	B1	B2	A2	B1	A2

**Social skills and competences**

▪ Good communication skills acquired through my long experience in the doctor-patient relationship in the groups of residents of which I was part and in working with students.

**Organizational skills and competences**

▪ Organizational spirit, with skills for planning and managing resources, budget and time.

**Skills acquired in the workplace**

▪ Good knowledge of all procedures applied in the control of patients' health status at the level of the Family Medicine and the Occupational Medicine departments.

Digital skills

Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Proficient user	Basic user	Independent user

▪ Frequent user of Windows versions, with a good skills in Windows Explorer, Total Commander, several Internet browsers, the Ms Office package (Word, PowerPoint, Excel) and some statistics programs.

Driving licence cat. B (since 2006)

01.03.2022



## I. Scientific papers in ISI journals

- I.1. Avram S, Borcan F, **Borcan LC**, Milac AL, Mihailescu D. QSAR Approaches Applied to Antidepressants Induced Neurogenesis - in vivo and in silico Applications. *Mini-Reviews in Medicinal Chemistry* **2015**, 16(3), 230-240. ISSN= 1389-5575  
 FI= [2,841 / 2015](#)  
 Autor Princ.: AC  
 WOS= 000373935600001
- I.2. Mernea M, **Borcan L-C**, Borcan F, Avram S. Antipsychotics as Psychosis Drugs and Neuroprotective Promoters Evaluated by Chemical QSAR - in silico and in vivo Studies. *Letters in Drug Design&Discovery*, **2016**, 13(4), 269-275. ISSN= 1570-1808  
 FI= [1,170 / 2016](#)  
 Autor Princ.: -  
 WOS= 000365468700010
- I.3. Avram S, Mernea M, Bagci E, Hritcu L, **Borcan L-C**, Mihailescu DF. Advanced structure-activity relationships applied to *Mentha spicata* L. subsp. *spicata* essential oil compounds as AChE and NMDA ligands, in comparison with donepezil, galantamine and memantine – new approach in brain disorders pharmacology. *CNS & Neurological Disorders-Drug Targets*, **2017**, 16(7), 800-811. ISSN= 1871-5273  
 FI= [2,084 / 2017](#)  
 Autor Princ.: -  
 WOS= 000418477500007
- I.4. Munteanu MF, Ardelean A, Borcan F, Trifunsi SI, Gligor R, Ardelean SA, Coricovac D, Pinzaru I, Andrica F, **Borcan L-C**. Mistletoe and Garlic Extracts as Polyurethane Carriers – A Possible Remedy for Choroidal Melanoma. *Current Drug Delivery*, **2017**, 14(8), 1178-1188. ISSN= 1567-2018  
 FI= [2,078 / 2017](#)  
 Autor Princ.: UA  
 WOS= 000418112500014
- I.5. Avram S, Alexandrescu I, Puia A, Udrea AM, Mernea M, Mihailescu DF, **Borcan L-C**. Aneuploidy-Inducing Mutations in Mitotic Checkpoint Protein hMad1-Carboxi Terminal Domain Analyzed by SAR and Computational Mutagenesis. *Current Proteomics*, **2017**, 14(4), 254-260. ISSN= 1570-1646  
 FI= [0,606 / 2017](#)  
 Autor Princ.: AC, UA  
 WOS= 000418112500014
- I.6. Avram S, Milac A-L, **Borcan L-C**, Mihailescu D, Borcan F, Castanho M. Designing of Artificial Peptides for an Improved Antiviral Activity. *Current Proteomics*, **2018**, 15(4), 258-266. ISSN= 1570-1646  
 FI= [0,768 / 2018](#)  
 Autor Princ.: PA  
 WOS= 000445416100001
- I.7. Borcan F, Preda M, **Borcan LC**, Pinzaru I, Florescu S, Sisu E, Poenaru M. Comparative Characterization of Birch Bark Extracts Encapsulated Inside Polyurethane Microstructures. *Mater. Plast.*, **2018**, 55(3), 385-388. ISSN= 0025-5289  
 FI= [1,393 / 2018](#)  
 Autor Princ.: -  
 WOS= 000452711500028
- I.8. **Borcan LC**, Dudas Z, Len A, Fuzi J, Borcan F, Tomescu MC. Synthesis and characterization of a polyurethane carrier used for a prolonged transmembrane transfer of a chili pepper extract. *Int. J. Nanomed.*, **2018**, 13, 7155-7166. ISSN= 1178-2013  
 FI= [4,471 / 2018](#)  
 Autor Princ.: PA  
 WOS= 000450300500004
- I.9. Borcan F, Chirita-Emandi A, Andreescu NI, **Borcan L-C**, Albulescu RC, Puiu M, Tomescu MC. Synthesis and preliminary characterization of polyurethane nanoparticles with ginger extract as a possible cardiovascular protector. *Int. J. Nanomed.*, **2019**, 14, 3691-3703. ISSN= 1178-2013  
 FI= [5,115/2019](#)  
 Autor Princ.: AC  
 WOS= 000469112200001

FI = impact factor; Autor Princ. (Main author): PA (first author), AC (corresponding author), UA (last author),  
 WOS = identification no. in Web of Science database

## II. Scientific papers in other databases

- II.1. Avram S, Milac A, Buiu C, **Borcan L-C**. Advanced QSAR and computational mutagenesis applied to mitotic checkpoint protein hmad1 mutants with implication in genetic disorders. *New Front. Chem.* **2014**, 23(1), 61-72. ISSN= 2393-2171  
 Autor Princ.: UA
- II.2. Duda-Seiman D, Duda-Seiman C, Borcan F, **Borcan LC**, Mancas S, Avram S. Calcium Channel Blockers – Benefits Upon Vascular Biology in Hypertensive Patients. *Cardiovascular & Hematological Agents in Medicinal Chemistry*, **2015**, 13(1), 54-62. ISSN= 1871-5257  
 Autor Princ.: -
- II.3. Avram S, Milac AL, Mernea M, Alexandrescu I, **Borcan LC**, Borcan F. Predicted mechanism of antiasthmatic drugs in depression based on their interaction with SERT and 5-HT1A receptors. *Current Enzyme Inhibition*, **2018**, 14(1), 51-60. ISSN= 1573-4080  
 Autor Princ.: -

- II.4. **Borcan LC**, Borcan F, Tomescu MC. Relationships between Diet, Lifestyle and Blood Pressure to Crenotherapy Employees. *International Journal of Pharma Research and Health Sciences*, **2018**, 6(5), 2729-2734. ISSN= 2348-6465  
Autor Princ.: PA
- II.5. Preda M, Sisu E, Vlaia V, Olariu T, Moaca A, **Borcan L-C**, Borcan F. In vitro experimental evaluations of birch bark extracts with selectivity in the obtaining of betulinol. *Journal of Agroalimentary Processes and Technologies*, **2018**, 24(4), 289-294. ISSN= 1453-1399  
Autor Princ.: -
- II.6. Preda M, Borcan F, **Borcan L-C**, Popovici R, Sisu E. Synthesis and characterization of different nanoemulsions containing birch bark extracts. *Medicine in evolution*, **2018**, XXIV(4), 414-421. ISSN= 2065-376X  
Autor Princ.: -
- II.7. **Borcan L-C**, Borcan F, Pauncu E-A, Tomescu MC. Correlations between weather parameters, atmospheric hydrogen sulphide level and vitamin B12 administration to H<sub>2</sub>S exposed workers. *RJOM*, **2019**, 70(1), 6-11. ISSN= 2601-0828  
Autor Princ.: PA

Autor Princ. (Main author): PA (first author), AC ( corresponding author), UA (last author)

### III. Monographs and books

III.1. Borisova EE, **Borcan LC**, Borozan A, Bura M, Haratau TV, Helyer D, Ionut S, Karnaki P, Kochovski L, Montalban PE, Osborne A, Pauncu E-A, Popescu FG, Simiz E, Tschlas F, Voia OS, Wynne R, Zota D. *Guideline for OSH practice within the Agriculture sector*. Romtens Foundation, 2018. pp. 62. ISBN 978-973-0-28123-1.

### IV. Scientific meetings

#### IV.1. Oral communication

1. **Borcan L-C**. *Date privind legislația legată de încadrarea în grad de handicap și drepturile persoanelor cu handicap. Prima Conferință Regională de Vest cu participare internațională CRV MF 2015*, Timișoara 08-09.05.2015.

#### IV.2. Abstracts

- Munteanu MF, Orasan Alic VE, Trifunsi SI, Ardelean SA, Coricovac D, **Borcan L-C**, Borcan F. Study on different penetrability of nano- and microparticles. *8th International Conference and Exhibition on Pharmaceutics & Novel Drug Delivery Systems*, Madrid 07-09.03.2016 (Munteanu MF *et al.*, *Pharm Anal Acta* 2016, 7:1 (Suppl), p. 123)
- Munteanu MF, Gligor R, **Borcan L-C**, Borcan F. Influence of some herbal extracts on the occupational lung disease. 2nd International Conference and Exhibition on Pharmacology and Ethnopharmacology, Chicago 02-04.05.2016 (Munteanu MF *et al.*, *Clin Exp Pharmacol* 2016, 6:2 (Suppl), p. 85)
- Borcan F, **Borcan L-C**, Circioban D, Ledeti A. Effect of pH on the degradation of a polyurethane drug delivery system. *Phytochemicals and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity, workshop Timișoara 2016*, p. 15, ISBN 978-606-786-024-5.
- Minda DI, Muntean DM, Danciu C, **Borcan L-C**, Avram S, Pavel IZ. Study on the release of lupeol from a polymeric drug delivery system. *Phytochemicals and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity, workshop Timișoara 2016*, p. 39, ISBN 978-606-786-024-5.
- Minda DI, Muntean DM, Danciu C, **Borcan L-C**, Avram S, Pavel IZ. Synthesis and characterization of a drug carrier containing lupeol. *Phytochemicals and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity, workshop Timișoara 2016*, p. 40, ISBN 978-606-786-024-5.
- Borcan LC**, Borcan F, Tomescu MC. Preliminary study on a polymer carrier containing ginger extract as a possible application in cardiovascular disease. *Zilele UMFT 2016. Res. Clin. Med.*1(a00101s1), 22-22.
- Buda V, Andor M, Tomescu MC, Cristescu C, Voicu M, Citu I, Cochera F, Gheorghiu CM, **Borcan LC**, Glarou ZMA, Tuduce P, Pascu F, Mavrea A, Voicu A, Petrescu L. ACE inhibitors and ARBs decrease more powerful the PTX-3 plasma levels of hypertensive patients with endothelial dysfunction compared with other anti-hypertensive drugs, in a chronic treatment. *Eur. Heart J.*, 38(suppl\_1), 1 August 2017 (FI=19,651) inclus in *Web of Science Core Collection*.
- Buda V, Andor M, Cristescu C, Proks CM, Suci L, Petrescu L, Andrica FM, Tuduce P, Pop D, Muntean C, Daraban A, **Borcan LC**, Daneasa D, Tomescu MC. The influence of perindopril on endoglin plasma levels compared with other antihypertensive drugs, in a chronic treatment. *Eur. Heart J.*, 38(suppl\_1), 1 August 2017 (FI=19,651) inclus in *Web of Science Core Collection*.

9. Circioban D, Ledeti I, Vlase G, Ledeti A, Vlase T, Borcan F, Axente C, **Borcan C**, Dehelean C. Guest-host interactions and complex formation for artemisinin with cyclodextrins. 13th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta 2017), 24-27.IX.2017, Loano (SV), Italy, Book of abstracts, p. 62.

10. Pauncu EA, Popescu FG, **Borcan LC**. Network project, romanian experience. *Occup. Environ. Med.*, 2018;75(Suppl 2):A96.

#### IV.3. Participant

1. Simpozionul „Aspecte ale patologiei cardiovasculare în relație cu ocupația”, Clinica de Medicina Muncii din Cluj-Napoca, 13-14.04.2016.

2. Conferința Internațională „IER 539th International Conference on Recent Advances in Medical Science” (ICRAMS), Krakow (Polonia), 13-14.12.2018.

3. Conferința națională a societății române de medicina muncii “Bune practici în medicina muncii”, Mamaia, 29.05-01.06.2019.

4. Conferința ALLS, Enformation, 05-07 Noiembrie 2019, Timisoara.

### V. Training programs

V.1. “Implementation Course 2 – Occupational Medicine for Agriculture” Bucuresti, 20-25.11.2017, European Accreditation Council for Continuing Medical Education.

V.2. „Moștenirea lui Eugene Garfield - aflați despre istoria unică a Web of Science”, Webex Online Clarivate Analytics, 09.02.2018, enformation.

V.3. „Cum se pot identifica sursele de finanțare”, Webex Online Clarivate Analytics, 19.02.2018, enformation.

V.4. „Aflați cum să creați și să consolidați un profil autor (ORCID / RID) pentru a fi în conformitate cu cerințele pentru autori al editorilor și al finanțatorilor”, Webex Online Clarivate Analytics, 23.02.2018, enformation.

V.5. „Open Session”, Webex Online Clarivate Analytics, 03.05.2018, enformation.

V.6. „Identificarea, utilizarea și analiza conținutului Open Access in Web of Science”, Webex Online Clarivate Analytics, 18.12.2018, enformation.

V.7. „Unde ar trebui să public?”, Webex Online Clarivate Analytics, 12.02.2019, enformation.

V.8. Webex Clarivate Analytics: Unde să publici: utilizarea Journal Impact Factor, 23 aprilie 2019.

V.9. Webex Clarivate Analytics: Author Records sunt acum disponibili în Web of Science, 31 octombrie 2019.

V.10. Webex Clarivate Analytics: Informații despre Open Access de la Web of Science, 12 noiembrie 2019.

V.11. Webex Web of Science: Identifică cercetarea de top cu Essential Science Indicators (ESI), 27 martie 2020.

V.12. Webex Web of Science: Noutăți Journal Citation Reports și InCites Benchmarking & Analytics, 16 aprilie 2020.

V.13. Webex Web of Science: Aprofundează cunoștințele în domeniul tău de cercetare cu Web of Science, 24 aprilie 2020.

V.14. Webex Web of Science: Opțiunile de căutare a lucrărilor unui autor în Web of Science, 14 mai 2020.

V.15. Webex Web of Science: Găsește revista potrivită în care să publici, 22 iunie 2020.

### VI. Trademark and patents

VI.1. Borcan F, **Borcan L-C**, Tomescu MC, Florea S-D, Morariu V-I. BoToFI.m. Certificat de înregistrare a mărcii nr. 161222 (OSIM 04.01.2019).

VI.2. UMF Timișoara (**Borcan L-C**, Popescu FG, Borcan F, Păuncu E-A, Tomescu MC, Dehelean CA). Produs absorbant pentru hidrogen sulfurat și procedeu de obținere a acestuia. Brevet de invenție nr. 133956, eliberat de OSIM în 30.III.2021.

VI.3. Borcan F, **Borcan L-C**, Dehelean CA, Soica C-M. pharm na-mi S. Cerere de înregistrare a mărcii nr. M2019 / 08229 (OSIM 17.11.2019).

### VII. Research awards

VII.1. Article „Advanced Structure-activity Relationships Applied to Mentha spicata L. Subsp. spicata Essential Oil Compounds as AChE and NMDA Ligands, in Comparison with Donepezil, Galantamine and Memantine - New Approach in Brain Disorders Pharmacology” was awarded based on PN-III-P1-1.1-PRECEISI-2018-24378 depusă la UEFISCDI.

VII.2. Patent „Produs absorbant pentru hidrogen sulfurat și procedeu de obținere a acestuia” has received Diplomă de excelență și Medalia Pro Invent din partea organizatorilor Salonului Internațional al Cercetării Științifice, Inovării și Inventicii Pro Invent, Cluj-Napoca, 20-22 martie 2019.

VII.3. Patent „Produs absorbant pentru hidrogen sulfurat și procedeu de obținere a acestuia” has received cu Diplomă de excelență din partea USMF „Nicolae Testemițanu” din Republica Moldova la Salonul Internațional al Cercetării Științifice, Inovării și Inventicii Pro Invent, Cluj-Napoca, 20-22 martie 2019.

VII.4. Patent „Produs absorbant pentru hidrogen sulfurat si procedeu de obtinere a acestuia” has received Diploma of Achievement and Medal INVENTICA 2020 din partea organizatorilor XXIVth Int Exhibition of Inventics Iasi, 29-31 iulie 2020.

VII.5. Patent „Hydrogen sulfide adsorbent product and the procedure for its obtaining” has received Gold Diploma din partea organizatorilor International Exhibition Inventcor Deva, 17-19 decembrie 2020.

VII.6. Patent „Produs absorbant pentru hidrogen sulfurat si procedeu de obtinere a acestuia” was awarded based on PN-III-P1-1.1-PRECBVT-2021-3160 de către CNCS-UEFISCDI.

### **VIII. Scientific reviewer**

VIII.1. \*\*\*. Depression treatment survey of psychiatrists: outcome and side effects. *Annals of Psychiatry and Mental Health*. oct.2015

### **IX. Professional commissions**

IX.1. Secretary of the primary doctor examination commission OccMed – 06.2016 (DSP nr 12511/21.06.2016, OMS 754/17.06.2016)

IX.2. Secretary of the primary doctor examination commission OccMed – 06.2017 (DSP nr 11755/20.06.2017, OMS 676/16.06.2017)

### **X. International Conference Board**

X.1. Member of the Organizing Committee of EASOM (25-27.08.2016)

### **XI. Citations**

<b>WOS Core Collection - Citation Report</b>		<b>Scopus Report</b>	
Total Publications:	9	Documents:	11
Sum of Times Cited:	68	Citations:	72 by 50 docs
Citing Articles:	45		
<b>h-index:</b>	<b>5</b>	<b>h-index:</b>	<b>5</b>
<b>Google Scholar Report</b>		<b>Research Gate Report</b>	
Citations (All):	24	RG score:	12.75
<b>h-index (All):</b>	<b>3</b>	Citations:	62
i10-index (All):	0	<b>RG score:</b>	<b>15.93</b>

01.03.2022