

Rodica Lighezan

# EXPERIENȚA PROFESIONALĂ

09/2014 – În prezent



## Conferențiar universitar

Universitatea de Medicină și Farmacie “Victor Babeș" Timișoara, România

Invăţământ universitar, Disciplina Parazitologie, Departamentul XIII Boli Infectioase

Activitate didactică cu studenţii, Activitate de cercetare

02/2002 – 09/2014

## Şef Lucrări

Universitatea de Medicină și Farmacie “Victor Babeș" Timișoara, România

Invăţământ universitar, Disciplina Histologie, Departamentul II Morfologie Microscopică

Activitate didactică cu studenţii, Activitate de cercetare

07/2017 – În prezent

## Director al Centrului Regional de Tranzfuzie Sanguină Timișoara

Centrul Regional de Tranzfuzie Sanguină Timișoara , România

Coordonarea activităţii Centrului Regional de Tranzfuzie Sanguină Timișoara

Activitate de management

1999 – În prezent

## Medic Primar Laborator Clinic

Spitalul Clinic Municipal de Urgenţă, Timișoara (România)

Activităţi în cadrul Laboratorului Clinic de Analize Medicale Activitate medicală

03/1993 – 2002

## Asistent universitar

Universitatea de Medicină și Farmacie ,,Victor Babeș", Timisoara (România)

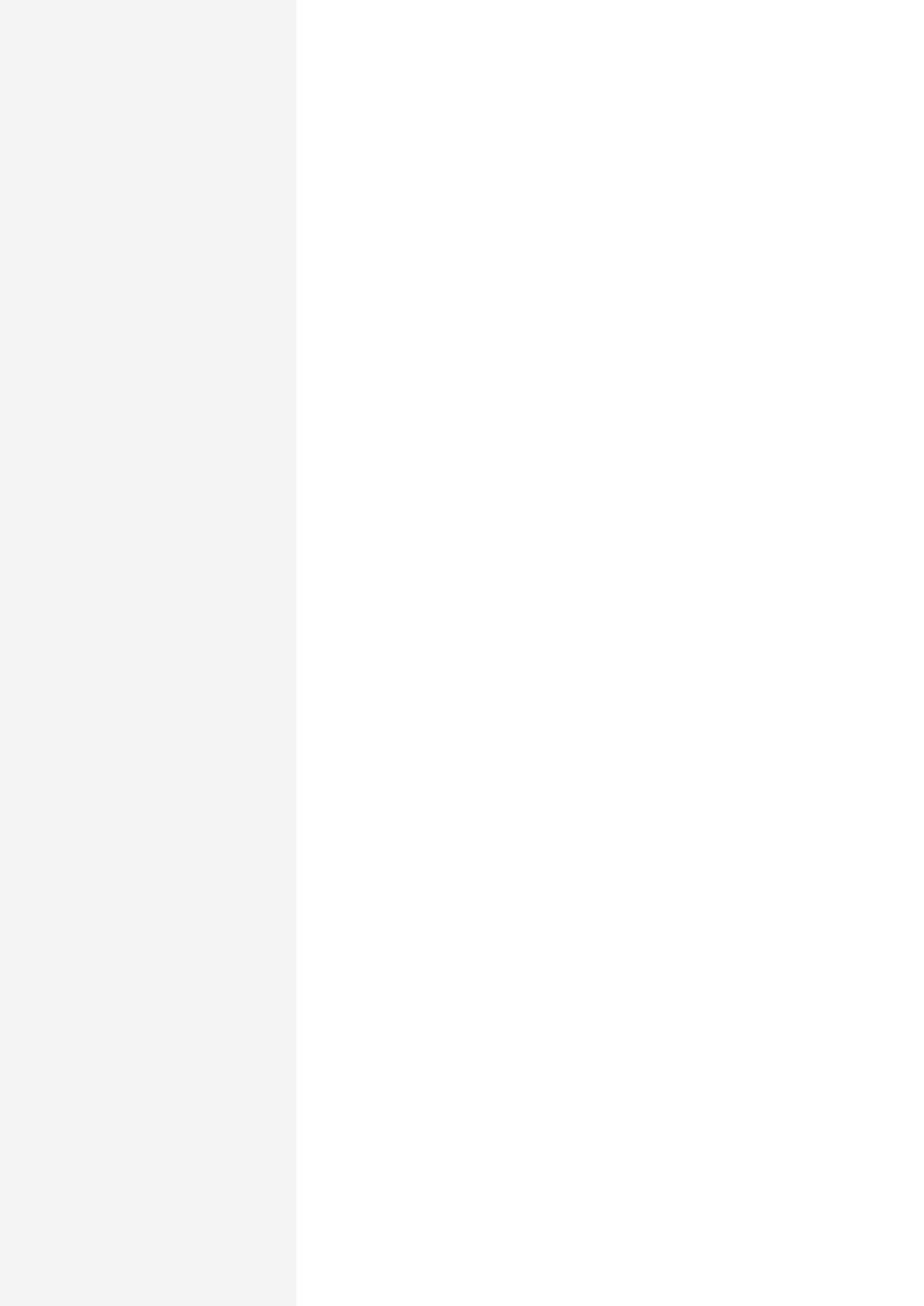
Activitate didactică cu studenţii de la Medicină Generală, Medicină Dentară, Fiziokinetoterapie și Laborator Clinic, Activitate de cercetare, Organizare cursuri postuniversitare, cercuri știinţifice. Invăţământ universitar.

1991 – 1993

## Preparator universitar

Universitatea de Medicină și Farmacie ,,Victor Babeș", Timișoara (România)

1 / 6

Activitate didactică cu studenţii de la Medicină Generală, Medicină Dentară, Fiziokinetoterapie și Laborator Clinic. Activitate de cercetare.

# EDUCAȚIE ȘI FORMARE PROFESIONALĂ

06/2001 – România



## Doctor în Medicină

Universitatea de Medicină și Farmacie ,,Victor Babeș", Timișoara

1999 – România

## Obținerea titlului de Medic Primar Laborator Clinic

1994 – România

## Obținerea titlului de Medic Specialist Laborator clinic

1989

Obținerea diplomei de Doctor - Medic

Universitatea de Medicină și Farmacie ,,Victor Babeș", Timișoara

# COMPETENȚE LINGVISTICE

LIMBĂ(I) MATERNĂ(E): Română

ALTĂ LIMBĂ (ALTE LIMBI):

engleză

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Compre**‐** | Citit | Exprimare | Conversație | Scris |
| hensiune | C1 | scrisă | C1 | C1 |
| orală |  | C1 |  |  |
| C1 |  |  |  |  |

germană

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Compre**‐** | Citit | Exprimare | Conversație | Scris |
| hensiune | B1 | scrisă | B1 | A2 |
| orală |  | B1 |  |  |
| B1 |  |  |  |  |

# COMPETENȚE DIGITALE

Microsoft Word / Microsoft Powerpoint / Microsoft Excel / Zoom / Microsoft Office / Skype

PROIECTE

2013



## Director de proiect

The Contribution of Oxidative Stress Induced by Monoaminoxidase in Cardiovascular Disfunction and The Prognosis of Coronary Patients with and without Diabetes”; Victor Babes University of Medicine and Pharmacy, Timisoara, Department: Histology

2017

## Membru în colectivul proiectului

Mitochondrial fitness mapping: MITOEAGLE: Evolution-Age- GenderLifestyle-Enviroment, COST Action CA15203, Victor Babes University of Medicine and Pharmacy, Timisoara

2008

## Membru în colectivul proiectului

Cardioprotective Stratagies at Reperfusion: Mitochondria as Multiple Therapeutic Target – CARDIO-MITO-PROT”; National Association for Scientific Research Project; Victor Babes University of Medicine and Pharmacy, Timisoara, Department: Histology

2006 – 2008

## Membru în colectivul proiectului

Integrative Role of Mitochondria in Cardioprotection Induced by Myocardial Experimental Ischemia/Reperfusion”; National University Research Coucil Project; Victor Babes University of Medicine and Pharmacy, Timisoara, Department: Histology

2005

## Membru în colectivul proiectului

Diagnosis, Prognosis and Therapy of Tumoral Angiogenesis. A Clinical, Pathological and Experimental Study”; CNCSIS Grant Project, category A; Victor Babes University of Medicine and Pharmacy, Timisoara, Department: Histology

*10/06/2025*

Rodica Lighezan

3 / 6

# 

# **PUBLICAȚII**

**AUTOR PRINCIPAL**

1. Mihu AG, Patiu M, Dima DM, Oatis DA, Cismaru CM, **Lighezan R**\*, Olariu TR. Visceral Leishmaniasis in a 25-Year-Old Female Kidney Transplant Recipient from a Non-Endemic Region: A Case Report from Romania. Microorganisms. 2025 Feb 12;13(2):403. doi: 10.3390/microorganisms13020403
2. Smeu A, Marcovici I, Dehelean CA, Dumitrel SI, Borza C, **Lighezan R.** Flavonoids and Flavonoid-Based Nanopharmaceuticals as Promising Therapeutic Strategies for Colorectal Cancer-An Updated Literature Review. Pharmaceuticals (Basel). 2025 Feb 8;18(2):231. doi: 10.3390/ph18020231. PMID: 40006045; PMCID: PMC11858883.
3. Bogdan M Lolescu, Adina V. Furdui-Lința, Maria D Dănilă, Aexandru I. Blidișel, Cristina A. Dehelean, Danina M Muntean, **Rodica Lighezan \*,** Octavian M. Crețu , Impairment of platelet mitochondrial respiration: an overview of animal models of disease and drug- induced toxicity (review), Farmacia, 2025, Vol. 73, 1. DOI10.31925/farmacia.2025.1.2
4. Hâncu IM, Giuchici S, Furdui-Lința AV, Lolescu B, Sturza A, Muntean DM, Dănilă MD, **Lighezan R.** The highs and lows of monoamine oxidase as molecular target in cancer: an updated review. Mol Cell Biochem. 2024 Dec 23. doi: 10.1007/s11010-024-05192-w.
5. Buda V, Sturza A, Minda D, Diaconeasa Z, Iuhas C, Bădescu B, Dehelean CA, Danciu C, Muntean MD, **Lighezan R\*,** Dănilă MD. Vasculo-Protective Effects of Standardized Black Chokeberry Extracts in Mice Aorta . Int J Mol Sci. 2024 Dec 17;25(24):13520. doi: 10.3390/ijms252413520.
6. Rosca D, Krishna V, Chetarajupalli C, Jianu AM, Deak IE, Virzob CRB, Laitin SMD, Boruga M, **Lighezan R.** Comparative Analysis of qSOFA, PRIEST, PAINT, and ISARIC4C Scores in Predicting Severe COVID-19 Outcomes Among Patients Aged over 75 Years. Diseases. 2024 Nov 28;12(12):304. doi: 10.3390/diseases12120304.
7. Olariu TR, Lighezan R, Ursoniu S, Craciun AC, Mihu AG, Lupu MA. High SARS-CoV-2 seroprevalence in blood donors from Romania after the third COVID-19 pandemic wave. Infect Dis (Lond). 2022 Jul;54(7):534-537. doi: 10.1080/23744235.2022.2036811. Epub 2022 Feb 11. PMID: 35147060.
8. Aburel, O.M., Pavel I Z., Dănilă M. D., Lelcu T, Roi A, **Lighezan R\*,** Muntean D.M., Rusu L.C., Pleiotropic Effects of Eugenol: The Good, the Bad, and the Unknown, Oxidative Medicine and Cellular Longevity, 2021, 3165159, 15 pages, 2021. https://doi.org/10.1155/2021/3165159
9. **Olariu TR, Lighezan R,** Ursoniu S, Craciun AC, Paduraru AA, Lupu MA. Seroprevalence of SARS-CoV-2 antibodies in 2115 blood donors from Romania. Clin Microbiol Infect. 2021 Jan 6;27(5):817–9. doi: 10.1016/j.cmi.2020.12.027. PMID: 33421577; PMCID: PMC8084417
10. Sturza A, Duicu O. Vaduva A, Dănilă M, Ionita I, Munteanu M, Muntean D, **Lighezan R.** (2016). Hydrogen Peroxide Promotes Endothelial Dysfunction by Decreasing Nitric Oxide Bioavailability in Experimental Diabetes Mellitus. REVISTA DE CHIMIE, 2016, 67. 2302-2305.
11. **Lighezan R**, Sturza A, Duicu OM, Ceausu RA, Vaduva A, Gaspar M, Feier H, Vaida M, Ivan V, Lighezan D, Muntean DM, Mornos C. Monoamine oxidase inhibition improves vascular function in mammary arteries from nondiabetic and diabetic patients with coronary heart disease. Can J Physiol Pharmacol. 2016 Oct;94(10):1040-1047. doi: 10.1139/cjpp-2015-0580. Epub 2016 Mar 22. PMID: 27322151.
12. Munteanu M, Sturza A, Timar R, Muntean D, **Lighezan, R**\*, Noveanu L. (2014). Angiotensin II-Derived Hydrogen Peroxide Impairs Endothelial Function in a Murine Model. Revista de Chimie. 65. 703-705.
13. Doina Coricovac, C. Dobrea, Cristina Dehelean, Oana Duicu, Lavinia Noveanu, Danina Muntean, **Rodica Lighezan,** The effects of Glycyrrhiza Glabra L Total extract on liver mitochondrial respiratory function. Revista de Chimie, 2014, 65 (2) 608-611
14. Răducan A, Mirică S, Duicu O, Răducan S, Muntean D, Fira-Mlădinescu O, **Lighezan R.** Morphological and functional aspects of sciatic nerve regeneration after crush injury. Rom J Morphol Embryol. 2013;54(3 Suppl):735-9. PMID: 24322020.

4/6

**COAUTOR**

1. Mihu AG, Lighezan R, Oatis DA, Mederle OA, Petrine-Mocanu C, Petrescu C, Prisca ME, Ghenciu LA, Avram CR, Lupu MA, Bica A, Olariu TR. A Severe Case of *Plasmodium falciparum* Malaria in a 44-Year-Old Caucasian Woman on Return to Western Romania from a Visit to Nigeria. Life (Basel). 2024 Nov 9;14(11):1454. doi: 10.3390/life14111454.
2. Beţiu AM, Lighezan R, Avram VF, Muntean DM, Elmér E, Petrescu L. Dose-dependent effects of acetaminophen and ibuprofen on mitochondrial respiration of human platelets. Mol Cell Biochem. 2024 Jun;479(6):1501-1512. doi: 10.1007/s11010-023-04814-z. Epub 2023 Jul 24. PMID: 37486451.
3. Dragomir A, Lupu MA, Lighezan R, Paduraru AA, Olariu TR. *Toxoplasma gondii* Infection in Patients with Cardiovascular Diseases from Western Romania: A Case-Control Study. Life (Basel). 2023 Jul 17;13(7):1575. doi: 10.3390/life13071575. PMID: 37511950; PMCID: PMC10382031.
4. Paduraru AA, Lupu MA, Lighezan R, Pavel R, Cretu OM, Olariu TR. Seroprevalence of Anti-Echinococcus granulosus Antibodies and Risk Factors for Infection in Blood Donors from Western Romania. Life (Basel). 2023 Mar 24;13(4):871. doi: 10.3390/life13040871. PMID: 37109399; PMCID: PMC10143201.
5. Merce AP, Ionică LN, Bînă AM, Popescu S, Lighezan R, Petrescu L, Borza C, Sturza A, Muntean DM, Creţu OM. Monoamine oxidase is a source of cardiac oxidative stress in obese rats: the beneficial role of metformin. Mol Cell Biochem. 2023 Jan;478(1):59-67. doi: 10.1007/s11010-022-04490-5. Epub 2022 Jun 20. PMID: 35723772.
6. Lupu MA, Lighezan R, Paduraru AA, Dragomir A, Pavel R, Grada S, Mihu AG, Ursoniu S, Olariu TR. Seroepidemiology of *Toxoplasma gondii* Infection in Blood Donors from Western Romania. Microorganisms. 2022 May 5;10(5):973. doi: 10.3390/microorganisms10050973. PMID: 35630416; PMCID: PMC9143041.
7. Rusu MC, Vrapciu AD, Nicolescu MI, Stoenescu MD, Jianu AM, Lighezan R, Oancea R, Mănoiu VS, Hostiuc S. Extruded Nucleoli of Human Dental Pulp Cells. Medicina (Kaunas). 2022 Feb 10;58(2):260. doi: 10.3390/medicina58020260. PMID: 35208583; PMCID: PMC8876639.
8. Pavel R, Ursoniu S, Paduraru AA, Lighezan R, Lupu MA, Olariu TR. Seroprevalence and Risk Factors of *Trichinella spiralis* Infection in Blood Donors from Western Romania. Medicina (Kaunas). 2022 Jan 15;58(1):128. doi: 10.3390/medicina58010128. PMID: 35056436; PMCID: PMC8780118.
9. Ionică LN, Gaiță L, Bînă AM, Soșdean R, Lighezan R, Sima A, Malița D, Crețu OM, Burlacu O, Muntean DM, Sturza A. Metformin alleviates monoamine oxidase-related vascular oxidative stress and endothelial dysfunction in rats with diet-induced obesity. Mol Cell Biochem. 2021 Nov;476(11):4019-4029. doi: 10.1007/s11010-021-04194-2. Epub 2021 Jul 3. PMID: 34216348.
10. A Petrus, C Ratiu, L. Noveanu, R. Lighezan, Duicu O.M., Assessment of Mitochondrial Respiration in Human Platelets, Rev. Chim. 2017, 68(4): 2302-2305
11. Olariu TR, Petrescu C, Darabus G, Lighezan R, Mazilu O. Seroprevalence of Toxoplasma gondii in Western Romania. Infect Dis (Lond). 2015 Aug;47(8):580-3. doi: 10.3109/23744235.2015.1028098. Epub 2015 Apr 8. PMID: 25851242.
12. Duicu OM, Lighezan R, Sturza A, Ceausu RA, Borza C, Vaduva A, Noveanu L, Gaspar M, Ionac A, Feier H, Muntean DM, Mornos C. Monoamine Oxidases as Potential Contributors to Oxidative Stress in Diabetes: Time for a Study in Patients Undergoing Heart Surgery. Biomed Res Int. 2015;2015:515437. doi: 10.1155/2015/515437. Epub 2015 May 25. PMID: 26101773; PMCID: PMC4458524.
13. Rusu MC, Nicolescu MI, Jianu AM, Lighezan R, Mănoiu VS, Păduraru D. Esophageal telocytes and hybrid morphologies. Cell Biol Int. 2012;36(12):1079-88. doi: 10.1042/CBI20120007. PMID: 22931066. ISSN: 1065-6995.

**5/6**

1. Alexa A, Baderca F, Lighezan R, Zăhoi DE, Izvernariu D. The diagnostic value of EMA expression in the renal parenchyma tumors. Rom J Morphol Embryol. 2011;52(3 Suppl):1019-25. PMID: 22119819. ISSN 1220-0522.
2. Baderca F, Alexa A, Lighezan R, Izvernariu D, Raica M. The diagnostic value of VEGF expression in the renal parenchyma tumors. Rom J Morphol Embryol. 2011;52(2):581-6. PMID: 21655646. ISSN 1220-0522 ,
3. Baderca F, Lighezan R, Alexa A, Zăhoi D, Raica M, Izvernariu D, Ardelean L. Atypical variant of lichen planus mimicking normal skin histology. Rom J Morphol Embryol. 2011;52(4):1355-60. PMID: 22203946. ISSN 1220-0522
4. Alexa A, Baderca F, Lighezan R, Izvernariu D, Raica M. The diagnostic value of cytokeratins expression in the renal parenchyma tumors. Rom J Morphol Embryol. 2010;51(1):27-35. PMID: 20191116. ISSN 1220-0522,
5. Alexa A, Baderca F, Zăhoi DE, Lighezan R, Izvernariu D, Raica M. Clinical significance of Her2/neu overexpression in urothelial carcinomas. Rom J Morphol Embryol. 2010;51(2):277-82. PMID: 20495743. ISSN 1220-0522.,
6. Alexa A, Baderca F, Lighezan R, Izvernariu D. Myofibroblasts reaction in urothelial carcinomas. Rom J Morphol Embryol. 2009;50(4):639-43. PMID: 19942959. ISSN 1220-0522.,
7. Duicu OM, Lighezan R, Sturza A, Balica R, Vaduva A, Feier H, Gaspar M, Ionac A, Noveanu L, Borza C, Muntean DM, Mornos C. Assessment of Mitochondrial Dysfunction and Monoamine Oxidase Contribution to Oxidative Stress in Human Diabetic Hearts. Oxid Med Cell Longev. 2016;2016:8470394. doi: 10.1155/2016/8470394. Epub 2016 Apr 13. PMID: 27190576; PMCID: PMC4846770.
8. J. Ruef, R. Lighezan, G. Schuler, T.K. Nordt, W. Kübler, C. Bode. Ticlopidine versus phenprocoumon in patients with Palmaz-Schatz coronary stent: occlusion rates and markers of hemostatic activation,Fibrinolysis and Proteolysis,Volume 13, Issue 3,1999,Pages 124-132,ISSN 1369-0191,https://doi.org/10.1016/S0268-9499(99)90

6 / 6

