

	
Europass Curriculum Vitae	
Informații personale	
Nume / Prenume	Ionel Octavian SAVU
Adresă	
Telefon	
Fax	
E-mail	
Naționalitate	Română
Data nașterii	18.01.1968
Sexul	Masculin
Experiență profesională	
Data/perioada	Aprilie 2003 – în prezent
Funcție	Cercetător științific grad II Medic primar
Tipul activității	Activitate medicală
Numele și adresa angajatorului	Institutul Național de Diabet, Nutriție și Boli Metabolice "N. C. Paulescu", București
Domeniu	Medicină
Educație și formare	
Data/perioada	Octombrie 2003-Ianuarie 2004
Calificarea obținută	Bursă IDF
Tipul activității/competențe dobândite	Cercetare clinică și fundamentală – endocrinologie și diabet
Numele și tipul instituției formatoare	Diabetes and Geriatric Department, Udine Hospital, Italy
Data/perioada	August 2005-August 2006
Calificarea obținută	Bursă EUROGENDIS
Tipul	Cercetare clinică și fundamentală – endocrinologie și diabet

activităţii/competenţe dobândite			
Numele şi tipul instituţiei formatoare	Karolinska Institute, Stockholm, Sweden Molecular Medicine and Surgery Department		
Data/perioada	Mai 2007 - Ianuarie 2010		
Calificarea obţinută	Studii doctorale – licenţiat în Endocrinologie şi diabet Titul tezei: "Mechanisms of Chronic Complications of Diabetes with Focus on Mitochondria and Oxygen Sensing"		
Tipul activităţii/competenţe dobândite	Cercetare clinică şi fundamentală – endocrinologie şi diabet		
Data/perioada	Iunie 2013		
Calificarea obţinută	Doctor în ştiinţe medicale Medicină, UMF “Carol Davila”		
Titul tezei	Implicaţiile stresului oxidativ în diabetul zaharat		
Data/perioada	Aprilie 2017		
Calificarea obţinută	Profesor abilitat pentru coordonarea studiilor doctorale în medicină, Şcoala Doctorală UMF “Carol Davila”		
Titlul tezei	Implicaţiile stresului oxidativ în diferite stadii ale diabetului zaharat. Noi perspective asupra metabolismului oxidului nitric, amiloidului seric şi activităţii sirtuinelor		
Granturi			
Data/perioada	2016		
Titlul/poziţia/finanţare	Analiza comparativă a variabilităţii glicemice intra-individuale la subiecţi cu diabet zaharat tip 2 insulino-trataţi cu detemir şi voluntari clinic sănătoşi/director de proiect/Asociaţia pentru Studii Reno-Metabolice		
Data/perioada	2014-2016		
Titlul/poziţia/finanţare	CREDOR/membru/Ministerul Educaţiei Naţionale şi Ponderas		
Data/perioada	2012-2015		
Titlul/poziţia/finanţare	IDEI-Proiecte de cercetare exploratorie/membru/PNII		
Data/perioada	2006-2008		
Titlul/poziţia/finanţare	Dezvoltarea unor centre cardiologice de diagnostic precoce prin screening al populaţiei cu factori de risc a disfuncţiei cardiace/membru/Ministerul Educaţiei şi Cercetării		
Data/perioada	2005-2008		
Titlul/poziţia/finanţare	Interacţiuni calitative datorate transformării substanţelor nutritive lipidice pe lanţul alimentar furaj-animal-consumator uman în vederea stabilirii unor indicatori de impact asupra sănătăţii omului/membru/Ministerul Educaţiei si Cercetării		
Data/perioada	2016		
Titlul/poziţia/finanţare	POSDRU/159/1.5/S/135760/Proiect CERO – Profil de carieră: cercetător roman/membru selectat prin concurs		
Premii			
Titlul	Premiul anual pentru realizări deosebite în domeniul diabetologiei în anul 2008/Societatea Română de Diabet, Nutriţie şi Boli Metabolice, Sinaia, 20 mai 2009		
Titlul	Diplomă de Merit/Congresul Anual al Asociaţiei Medicale Române, Bucureşti, 14-16 aprilie 2011		
Aptitudini şi competenţe personale			
Limba maternă	Româna		
Limba(i) străină(e) cunoscută(e)	Engleza		
Autoevaluare	Înţelegere	Vorbire	Sciere

Nivel european (*)		Ascultare	Citire	Conversație	Discurs oral	
Language	c2	Utilizator experimen tat	c2	Utilizator experimen tat	c2	Utilizator experimen tat
	(*) <i>Common European Framework of Reference for Languages</i>					
Competențe și abilități sociale	- Spirit de echipă, relaționare la nivel personal/instituțional: Am lucrat în diverse echipe de medici/cercetători în cursul studiilor doctorale					
Competențe și abilități tehnice/organizato rice	- Execuție metode variate de cercetare. Organizare de seminarii specifice în cursul pregătirii doctorale					
Competențe și aptitudini de utilizare a calculatorului	Microsoft Office, Endnote, Sigma stat					
Permis auto	Categorii B					
Informații suplimentare	Căsătorit					
Anexe	Lista publicațiilor – atașată					

ARTICOLE IN EXTENSO ÎN REVISTE COTATE ISI THOMSON REUTERS CU FACTOR DE IMPACT ÎN CALITATE DE AUTOR PRINCIPAL

- 1: Gratiela Gradisteanu Pircalabioru, Nicolae Corcionivoschi, Ozan Gundogdu, Mariana-Carmen Chifiriuc, Luminita Gabriela Marutescu, Bogdan Ispas and Octavian Savu. Dysbiosis in the Development of Type I Diabetes and Associated Complications: From Mechanisms to Targeted Gut Microbes Manipulation Therapies. *Int. J. Mol. Sci.* 2021, 22(5), 2763; <https://doi.org/10.3390/ijms22052763>.
- 2: Savu O, Elian V, Steriade O, Teodoru I, Mihut S, Tacu C, Covic A, Serafinceanu C. The impact of basal insulin analogues on glucose variability in patients with type 2 diabetes undergoing renal replacement therapy for end-stage renal disease. *Int Urol Nephrol.* 2016 Feb;48(2):265-70. doi: 10.1007/s11255-015-1175-x. Epub 2016 Jan 2. PubMed PMID: 26725077.
- 3: Savu O, Iosif L, Bradescu OM, Serafinceanu C, Papacoea R, Stoian I. L-arginine catabolism is driven mainly towards nitric oxide synthesis in the erythrocytes of patients with type 2 diabetes at first clinical onset. *Ann Clin Biochem.* 2015 Jan;52(Pt 1):135-43. doi: 10.1177/0004563214531739. Epub 2014 Mar 27. PubMed PMID: 24675988.
- 4: Savu O, Serafinceanu C, Grajdeanu IV, Iosif L, Gaman L, Stoian I. Paraoxonase lactonase activity, inflammation and antioxidant status in plasma of patients with type 1 diabetes mellitus. *J Int Med Res.* 2014 Apr;42(2):523-9. doi: 10.1177/0300060513516287. Epub 2014 Feb 24. PubMed PMID: 24567352.
- 5: Savu O, Bradescu OM, Serafinceanu C, Iosif L, Tirgoviste CI, Stoian I. Erythrocyte caspase-3 and antioxidant defense is activated in red blood cells and plasma of type 2 diabetes patients at first clinical onset. *Redox Rep.* 2013;18(2):56- 62. doi: 10.1179/1351000213Y.0000000040. Epub 2013 Mar 6. PubMed PMID: 23485037.
- 6: Savu O, Ionescu-Tirgoviste C, Atanasiu V, Gaman L, Papacoea R, Stoian I. Increase in total antioxidant capacity of plasma despite high levels of oxidative stress in uncomplicated type 2 diabetes mellitus. *J Int Med Res.* 2012;40(2):709-16. PubMed PMID: 22613434.
- 7: Savu O, Sunkari VG, Botusan IR, Grünler J, Nikoshkov A, Catrina SB. Stability of mitochondrial DNA against reactive oxygen species (ROS) generated in diabetes. *Diabetes Metab Res Rev.* 2011 Jul;27(5):470-9. doi: 10.1002/dmrr.1203. PubMed PMID: 21484980.

ARTICOLE IN EXTENSO ÎN REVISTE COTATE ISI THOMSON REUTERS CU FACTOR DE IMPACT ÎN CALITATE DE COAUTOR

- 1: Evolution of Inflammatory and Oxidative Stress Markers in Romanian Obese Male Patients with Type 2 Diabetes Mellitus after Laparoscopic Sleeve Gastrectomy: One Year Follow-Up. Picu A, Petcu L, Ștefan DS, Grădișteanu Pîrcălăbioru G, Mitu M, Bajko D, Lixandru D, Guja C, Savu O, Stoian AP, Constantin A, Smeu B, Copăescu C, Chifiriuc MC, Ionica E, Ionescu-Tîrgoviște C. *Metabolites.* 2020 Jul 28;10(8):308. doi: 10.3390/metabo10080308. PMID: 32731443
- 2: Mann JFE, Ørsted DD, Brown-Frandsen K, Marso SP, Poulter NR, Rasmussen S, Tornøe K, Zinman B, Buse JB; LEADER Steering Committee and Investigators. Liraglutide and Renal Outcomes in Type 2 Diabetes. *N Engl J Med.* 2017 Aug 31;377(9):839-848. PMID: 28854085
- 3: Xu C, Bentinger M, Savu O, Moshfegh A, Sunkari V, Dallner G, Swiezewska E, Catrina SB, Brismar K, Tekle M. Mono-epoxy-tocotrienol- α enhances wound healing in diabetic mice and stimulates in vitro angiogenesis and cell migration. *J Diabetes Complications.* 2017 Jan;31(1):4-12. doi: 10.1016/j.jdiacomp.2016.10.010. Epub 2016 Oct 18. PMID: 27839658

- 4: Marso SP, Daniels GH, Brown-Frandsen K, Kristensen P, Mann JF, Nauck MA, Nissen SE, Pocock S, Poulter NR, Ravn LS, Steinberg WM, Stockner M, Zinman B, Bergenstal RM, Buse JB; LEADER Steering Committee; LEADER Trial Investigators. Liraglutide and Cardiovascular Outcomes in Type 2 Diabetes. *N Engl J Med.* 2016 Jul 28;375(4):311-22. doi: 10.1056/NEJMoal603827. Epub 2016 Jun 13. PMID: 27295427
- 5: Sunkari VG, Botusan IR, Savu O, Grünler J, Zheng X, Gustafsson JÅ, Brismar K, Catrina SB. Selective blockade of estrogen receptor beta improves wound healing in diabetes. *Endocrine.* 2014 Jun;46(2):347-50. doi: 10.1007/s12020-013-0144-3. Epub 2013 Dec 24. PubMed PMID: 24366647.
- 6: Nikoshkov A, Sunkari V, Savu O, Forsberg E, Catrina SB, Brismar K. Epigenetic DNA methylation in the promoters of the Igfl receptor and insulin receptor genes in db/db mice. *Epigenetics.* 2011 Apr;6(4):405-9. Epub 2011 Apr 1. PubMed PMID: 21474992.
- 7: Botusan IR, Sunkari VG, Savu O, Catrina AI, Grünler J, Lindberg S, Pereira T, Ylä-Herttuala S, Poellinger L, Brismar K, Catrina SB. Stabilization of HIF-1alpha is critical to improve wound healing in diabetic mice. *Proc Natl Acad Sci U S A.* 2008 Dec 9;105(49):19426-31. doi: 10.1073/pnas.0805230105. Epub 2008 Dec 4. PubMed PMID: 19057015; PubMed Central PMCID: PMC2614777.
- 8: Davies M, Lavallo-González F, Storms F, Gomis R; AT.LANTUS Study Group. Initiation of insulin glargine therapy in type 2 diabetes subjects suboptimally controlled on oral antidiabetic agents: results from the AT.LANTUS trial. *Diabetes Obes Metab.* 2008 May;10(5):387-99. doi: 10.1111/j.1463-1326.2008.00873.x. Epub 2008 Mar 18. PubMed PMID: 18355327.
- 9: Catrina SB, Botusan IR, Rantanen A, Catrina AI, Pyakurel P, Savu O, Axelsson M, Biberfeld P, Poellinger L, Brismar K. Hypoxia-inducible factor-1alpha and hypoxia-inducible factor-2alpha are expressed in kaposi sarcoma and modulated by insulinlike growth factor-I. *Clin Cancer Res.* 2006 Aug 1;12(15):4506-14. PubMed PMID: 16899596.
- 10: Milicevic Z, Raz I, Strojek K, Skrha J, Tan MH, Wyatt JW, Beattie SD, Robbins DC; HEART2D Study. Hyperglycemia and its effect after acute myocardial infarction on cardiovascular outcomes in patients with Type 2 diabetes mellitus (HEART2D) Study design. *J Diabetes Complications.* 2005 Mar-Apr;19(2):80-7. PubMed PMID: 15745837.

ARTICOLE IN EXTENSO IN REVISTE STIINTIFICE INDEXATE BDI

- 1: Oxidative stress contribution to chronic complications in diabetes. O. Savu, C. Ionescu Tîrgoviște. *Proc Rom Acad, Series B*, 3, 215-227, 2008.
- 2: Reactive oxygen species and glucose intolerance states associated insulin resistance. O. Savu. *Romanian Journal of Diabetes, Nutrition and Metabolic Disease*, 15(4), 2008.
- 3: Late acute intermittent porphyria attack in a patient with type 2 diabetes. N. Toma, M. M. Stancu, O. Savu. *Rom J Diabetes Nutr Metab Dis.* 22(2):125-131, 2015.

ARTICOLE PUBLICATE IN REZUMAT IN REVISTE SI VOLUMELE UNOR MANIFESTARI STIINTIFICE CU ISBN SAU ISSN

1. m Epoxidized alpha-tocotrienol enhances wound healing in the db/db mouse model of diabetes and stimulates in vitro angiogenesis and cell migration By: Xu, C.; Bentinger, M.; Savu, O.; et al. Conference: 52nd Annual Meeting of the European-Association-for-the-Study-of-Diabetes (EASD) Location: Munich, GERMANY Date: SEP 12-16, 2016 Sponsor(s): European Assoc Study Diabet DIABETOLOGIA Volume: 59 Supplement: 1 Pages: S468-S468 Meeting Abstract: 971 Published: AUG 2016

2. GLYCEMIC VARIABILITY IN TYPE 2 DIABETIC PATIENTS WITH CHRONIC KIDNEY DISEASE By: Steriade, Oana; Pantea-Stoian, Anca; Savu, Octavian; et al. Conference: 2nd International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications, INTERDIAB 2016 Location: Bucharest, ROMANIA Date: MAR 03-05, 2016 Sponsor(s): Assoc Renal Metabol & Nutrit Studies; Romanian Soc Diabet Nutr & Metabol Dis; AstraZeneca Diabet; novo nordisk; SANOFI INTERDIAB 2016: DIABETES MELLITUS AS CARDIOVASCULAR DISEASE Book Series: International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications Pages: 453- 457 Published: 2016
3. The Analysis of Glucose Variability In Insulin Treated Patients With Diabetes Ongoing Substitution Therapy For End Stage Renal Disease. Savu O, Elian Viviana, Steriade Oana, Teodoru Ileana, Mihuț Stela, Tacu C, Serafinceanu C. The 41st National Congress of the Romanian Society of Diabetes, Nutrition, and Metabolic Diseases with international participation. May, 2015. ILEX Publishing House. ISSN 2068- 8245
4. Acute Intermittent Porphyria Attack In A Patient With Type 2 Diabetes. Stancu Maria-Magdalena, Toma Nicoleta, Savu O. The 41st National Congress of the Romanian Society of Diabetes, Nutrition, and Metabolic Diseases with international participation. 20th-- 23rd May, 2015. ILEX Publishing House. ISSN 2068--8245
5. Adult Hypglycemic Disorder In A Patient With Diabetes And Ankylosing Spondylitis. *Savu Octavian*. The 40th National Congress of the Romanian Society of Diabetes, Nutrition, and Metabolic Diseases with international participation. May, 2014. ILEX Publishing House. ISSN 2068-8245
6. Antioxidant Status Is Activated In Red Blood Cells And Plasma Of Patients With Type 2 Diabetes At First Clinical Onset. Octavian Savu, Ovidiu Marius Bradescu, Cristian Serafinceanu, Liviu Iosif, Constantin Ionescu Tîrgoviște, Irina Stoian. The 39th National Congress of the Romanian Society of Diabetes, Nutrition, and Metabolic Diseases with international participation. May, 2013. ILEX Publishing House. ISSN 2068--8245
7. Arginine catabolism is driven mainly towards NO synthesis in erythrocytes of patients with type 2 diabetes at first clinical onset. *O. Savu*, O.-- M. Bradescu, C. Serafinceanu, L. Iosif, I.-- V. Grajeanu, I. Stoian. <http://dx.doi.org/10.1016/j.freeradbiomed.2013.08.078>.
8. Paraoxonase lactonase activity, inflammation and antioxidant status in plasma of patients with type 1 diabetes mellitus. Savu Octavian, Bradescu Ovidiu Marius, Iosif Liviu, Serafinceanu Cristian, Grajdeanu Ioana-- Veronica, Stoian Irina. 5th International Symposium Nutrition, Oxygen Biology and Medicine, Société Française de Recherche sur les Radicaux Libres 5–7 June 2013, Paris, France
9. Estimated glucose disposal rate is associated with macro-- and microvascular . complications in adult type 1 diabetes patients. A. Florentiu, *O. Savu*, R. Barbu, D. Reurean- Pintilei, R. Lichiardopol, R. Rugina, E. Culita, M. Vintila. The European Association for the Study of Diabetes (EASD), 48th Annual Meeting, Berlin, 1-- 5 October, 2012
10. The increased antioxidant activity in erythrocytes may compensate for the failure of plasma antioxidants in late type 2 diabetes patients. *Savu, O.*; Bradescu, O. M.; Iosif, L.; Ionescu Tîrgoviste, C.; Serafinceanu, C.; Stoian et al. FREE RADICAL BIOLOGY AND MEDICINE; 53; S152, 2012
11. Wound healing is selectively modulated by estrogen receptors in diabetes. VG Sunkari, J Grunler, S Lindberg, I Botusan, K Brismar, KR Steffensen, S-B Catrîna. The European Association for the Study of Diabetes (EASD), 46th Annual Meeting, Stockholm, 20-24 September, 2010
12. Estrogen receptor beta modulates wound healing in diabetes. VG Sunkari, J Grunler, S Lindberg, O Savu, I Botusan, K Brismar, KR Steffensen, S-B Catrina. The European Association for the Study of Diabetes (EASD) 45th Annual Meeting, Vienna, 29 September – 2 October, 2009

13. Stability of mitochondrial DNA against reactive oxygen. *O. Savu*, A. Nikosjkov, V. Sunkari, I. Botusan, J. Grunler, K. Brismar, S.-- B. Catrina. The European Association for the Study of Diabetes (EASD), 44th Annual Meeting, Rome, 8-- 11 september, 2008.
14. Stabilization of HIF-- 1 alpha is sufficient to reverse the negative effect of hyperglycaemia on HIF function and to markedly improve wound healing in diabetic mice. S.-- B. Catrina, I Botusan, V.G. Sunkari, *O. Savu*, A. Catrina, J. Grunler, S. Lindberg, T. Pereira, L. Poellinger, K. Brismar. The European Association for the Study of Diabetes (EASD), 44th Annual Meeting, Rome, 8-- 11 september, 2008
15. Impaired reaction to hypoxia as a mechanism for development of diabetic foot ulcers By: Catrina, S.-B.; Botusan, I.; Sunkari, V.; et al. Conference: 43rd Annual Meeting of the European-Association-for-the-Study-of-Diabetes Location: Amsterdam, NETHERLANDS Date: SEP 18-21, 2007 Sponsor(s): European Assco Study Diabet DIABETOLOGIA Volume: 50 Supplement: 1 Pages: S463-S463 Meeting Abstract: 1127 Published: SEP 2007
16. Mortality in Type 1 diabetes patients with onset after age 40 years By: Ioacara, S; Farcasiu, E; Bradescu, O; et al. Conference: 40th Annual Meeting of the European-Association-for-the-Study-of-Diabetes Location: Munich, GERMANY Date: SEP 05-09, 2004 Sponsor(s): European Assoc Study Diabetes DIABETOLOGIA Volume: 47 Supplement: 1 Pages: A112-A112 Meeting Abstract: 293 Published: AUG 2004

Data: 25.03.2021

Dr. Ionel Octavian Savu

