

## Curriculum Vitae

### Personal information

Denisa Marilena Margina

### Work experience

Professor, PhD Habil, Head of the Department of Biochemistry, Carol Davila University of Medicine and Pharmacy, Faculty of Pharmacy, Bucharest – 2016 - present

Teaching and research activity at "Carol Davila" University of Medicine and Pharmacy, Faculty of Pharmacy, Romania 2001 – present

Assessor for the Department of Quality at the National Agency for Medicines and Medical Devices Romania, Bucharest – 2008 – present

### Education and training

PostDoctoral studies (entitled *Studies regarding the effect of some polyphenolic compounds on the cellular mechanisms involved in the development of cardio-vascular complications of chronic hyperglycemia*), financed by CNCSIS (The National Council for Scientific Research), after national competition, 2010-2012

1 Month training stage, at Inserm U694 Laboratory, Angers, Franța, under the coordination of Dr Sebastien Faure, 2011

"Emerging Innovative Technologies in Forensic and Clinical Toxicology", Continuing Educational Course, Rodos, Greece; Oct 2008

Primary Pharmacist, Clinical Pharmacy, September 2008, (following national examination)

„DL-101 General Course on Intellectual Property”, organized by The World Intellectual Property Organization, February 2008

FEBS Advanced Theoretical and Practical Course - RECOMBINANT DNA TECHNOLOGY&PROTEIN EXPRESSION, Bucharest, September 2007

2 weeks Training stage at Istituto di Fotonica e Nanotecnologie del CNR (CNR-IFN), Rome, Italy and ENEA Centro Ricerche Casaccia, Rome Italy., July 2007

"From Cellular and Molecular Biology to the XXIst century's medicine" – International postgraduate course organized by the "N. Simionescu" National Institute for Cellular Biology and Pathology, Excellence Center of the European Community, October 2006

PhD thesis „ Studies regarding the biochemical and immunological implications in endothelial dysfunction”, scientific advisor Professor Niculina Mitea, December 2006

Carol Davila University of Medicine and Pharmacy, Faculty of Pharmacy, 1993-1998

### Additional information

#### Publications

#### Authors for monographs

- **Biochemistry of the Adipose Tissue, Vol I, Orexigenic Biomolecules**, Margina D, Editura Printech, 2015, ISBN 978-606-23-0507-9, ISBN 978-606-23-0507-6
- **Biochemistry of the Adipose Tissue, Vol II, Anorexigenic Biomolecules**, Margina D, Editura Printech, 2015, ISBN 978-606-23-0507-9, ISBN 978-606-23-0507-3,

#### Authors for chapters in books published by internationally recognized publishers:

- Zăncărescu A, Ungurianu A and **Margină D** Monosodium glutamate (MSG), în cartea Encyclopedia of Toxicology Reference Work, Fourth Edition, **2023** Elsevier, Editor-in-Chief: Philip J. Wexler Pages 509-515, ISBN 978-0-323-85434-4, DOI: 10.1016/B978-0-12-824315-2.01160-X
- **Margină D**, Purdel C. - Saccharomyces cerevisiae strain Boulard, în cartea Encyclopedia of Toxicology Reference Work, Fourth Edition, **2023** Elsevier, Editor-in-Chief: Philip J. Wexler Pages 381-388, ISBN 978-0-323-85434-4, doi.org/10.1016/B978-0-12-824315-2.00089-0
- **Margină D.**, Ungurianu A., Dietary sugar intake: Public health perspective, in cartea în cartea Encyclopedia of Toxicology Reference Work, Fourth Edition, **2023** Elsevier, Editor-in-Chief: Philip J. Wexler pag 711-718, ISBN 978-0-323-85434-4, DOI: 10.1016/B978-0-12-824315-2.00071-3.
- **Margină D**, Ungurianu A., Purdel C., Nitulescu G.M., Natural Remedies for a Healthy Heart: The Evidence-Based Beneficial Effects of Polyphenols In book: Plant Secondary Metabolites Editori: Sharma A.K., Sharma A. Springer, Singapore pag 141-190, DOI:10.1007/978-981-16-4779-6\_6, January **2022**
- Nitulescu G.M., Nitulescu G., Olaru O.T., Ungurianu A., **Margină D**, Chapter 7 - "Predictive in silico toxicology." An update on modern approaches and a critical analysis of its strong and weak points, in Toxicological Risk Assessment and Multi-System Health Impacts from Exposure, Editor: Aristidis M. Tsatsakis, Academic Press, **2021**, Pages 75-83, ISBN 9780323852159, doi: 10.1016/B978-0-323-85215-9.00029-5
- **Margină D**, Ungurianu A., Purdel C., Nitulescu G., Nitulescu G.M., Chapter 33 - Polyphenols: the hallmark of endothelial dysfunction combatants, in Toxicological Risk Assessment and Multi-System Health Impacts from Exposure, Editor: Aristidis M. Tsatsakis, Academic Press, **2021**, Pages 389-402, ISBN 9780323852159, doi: 10.1016/B978-0-323-85215-9.00040-4.
- Ungurianu A., Nitulescu G.M., **Margină D**, Chapter 35 - Hydrogen sulfide: a shifting paradigm in Toxicological Risk Assessment and Multi-System Health Impacts from Exposure, Editor: Aristidis M. Tsatsakis, Academic Press, **2021**, Pages 415-426, ISBN 9780323852159, doi: 10.1016/B978-0-323-85215-9.00018-0.
- Negreș S, Chiriță C, Arsene AL, **Margină D**, Moroșan E, Zbârcea C, Chapter 13 New Potential Beta-3 Adrenergic Agonists with Beta-Phenylethylamine Structure, Synthesized for the Treatment of Dyslipidemia and Obesity - in "Adiposity - Epidemiology and Treatment Modalities", ISBN 978-953-51-2996-7, Print ISBN 978-953-51-2995-0, Published: March 15, **2017**, book edited by Jan Oxholm Gordeladze
- Purdel NC, Ilie M, **Margină D**, Chapter 9 The involvement of environmental endocrine-disrupting chemicals in type 2 diabetes mellitus development - in "Type 2 Diabetes", ISBN 978-953-51-4125-9. InTechOpen, pag 219-250, **2015**, Book Editor Prof Colleen Croniger
- Ilie M. și **Margină D** Trends in the evaluation of lipid peroxidation processes - în Lipid Peroxidation, Angel Catala (Ed.), InTechOpen, **2012** ISBN: 978-953-51-0716-3, Chapter 5, pp. 111-130, <http://www.intechopen.com/books/lipid-peroxidation/trends-in-the-evaluation-of-lipid-peroxidation-processes>. DOI: 10.5772/46075, 2012
- **Margină D**, Inflammatory markers associated with chronic hyperglycemia and insulin resistance - în volumul "Type 2 Diabetes / Book 4", editor: Coleen Croniger, ISBN 978-953-307-598-3, publicat de InTech Open, **2011**, DOI: 10.5772/1543, pag 89-114, <http://www.intechopen.com/articles/show/title/inflammatory-markers-associated-with-chronic-hyperglycemia-and-insulin-resistance>

#### Patents

- Patent G01N 30/02 (2006/02) "Procedure for the identification and determination by HPLC of leflunomide in patients 'blood', authors Negrei Carolina, Baconi Daniela, **Margină Denisa**, Bălănescu Andra, Berghea Florian, Ilie Mihaela, Manda Gina, published in RO-BOPI 5/2013, 30.05.2013
- **Patent RO nr. A2013/01005**. Standardized extracts from Fallopia convolvulus și Fallopia aubertii - procedure for obtaining an therapeutic effects, authors: Olaru O T, Șeremet O C, **Margină D**, Nițulescu G M, Ilie M, Grigore A E, Negreș S, Velescu B Ș, Apostol T V, Istudor V.
- **ISI Thomson Reuters indexed articles (WOS h index=24)**

1. Drăgoi CM, Nicolae AC, Ungurianu A, **Margină DM**, Grădinaru D, Dumitrescu B - Circadian Rhythms, Chrononutrition, Physical Training, and Redox Homeostasis—Molecular Mechanisms in Human Health, Cells 2024, 13, 138. <https://doi.org/10.3390/cells13020138>
2. Dima Adam I, Balas M., Atanasescu M., Purdel C., Margină D., Synthesis of homogeneous spherical selenium nanoparticles through a chemical method for cancer therapy applications, Toxicology in Vitro, IF 3,2, Q2, <https://doi.org/10.1016/j.tiv.2023.105765>
3. Purdel C, Margină D (corresponding author), Adam-Dima I and Ungurianu A -The Beneficial Effects of Dietary Interventions on Gut Microbiota—An Up-to-Date Critical Review and Future Perspectives, Nutrients 2023, 15, 5005. <https://doi.org/10.3390/nu15235005>, Q1, IF 5,9 (2022)
4. Andrei C, Mihai DP, Nitulescu G, Ungurianu A, Margină DM, Nitulescu GM, Olaru OT, Busca RM, Zăncărescu A, Cetirizine and Levetiracetam as Inhibitors of Monoacylglycerol Lipase: Investigating Their Repurposing Potential as Novel Osteoarthritic Pain Therapies, Pharmaceuticals, 2023; 16(11):1563, 2022 IF: 4.6, Q1 Pharmacology and Pharmacy, doi: 10.3390/ph16111563
5. **Margină D.**, Drăgoi C - Intermittent Fasting on Human Health and Disease (editorial), Nutrients 2023, 15(21), 4491; <https://doi.org/10.3390/nu15214491> (registering DOI), IF 5,9
6. Ungurianu A., Zăncărescu A., **Margină D.**, Sirtuins, resveratrol and the intertwining cellular pathways connecting them, Ageing Research Reviews, Volume 88, 2023, 101936, ISSN 1568-1637, doi: 10.1016/j.arr.2023.101936 (2022 IF: 13,1, Q1: Cell Biology, Geriatrics & Gerontology)
7. Purdel C., Ungurianu A., Adam-Dima I., **Margină D.** - Exploring the potential impact of probiotic use on drug metabolism and efficacy, Biomedicine & Pharmacotherapy Volume 161, May 2023, <https://doi.org/10.1016/j.biopha.2023.114468>, 114468, IF 7,5 (Q1)
8. Babaeimarzangoub S.S., Zaker H., Soleimannezhadbari E., Gamchi N.S., Kazemina M., Tarighi S., Seyedian H., Tsatsakis A., Spandidos D.A., **Margină D.** - Vaccine development for zoonotic viral diseases caused by positive-sense single-stranded RNA viruses belonging to the Coronaviridae and Togaviridae families (Review), November 30, 2022 <https://doi.org/10.3892/etm.2022.11741>, Experimental and Therapeutic Medicine, Volume 25 Issue1 Article Number 42, DOI10.3892/etm.2022.11741, Published JAN 2023 IF 2,7
9. Avci S, Gunaydin S, Ari NZ, Karaca E, Erol Polat O, Gecili I, Yeni Y, Yilmaz A, Genc S, Hacimuftuoglu A, Yildirim S, Yasser Mokresh M, Gul Findik D, Tsatsakis A, **Margină D**, Tsarouhas K, Wallace DR, Taghizadehghalehjoughi A Cerebrolysin Alleviating Effect on Glutamate-Mediated Neuroinflammation via Glutamate Transporters and Oxidative Stress, Journal of Molecular Neuroscience, DOI10.1007/s12031-022-02078-8, Volume 72, Issue11, Page 2292-2302 DOI10.1007/s12031-022-02078-8, Published NOV 2022 Early Access NOV 2022, IF 3,1
10. Celebi, D.; Taghizadehghalehjoughi, A; Baser, S; Genc, S; Yilmaz, A; Yeni, Y; Yesilyurt, F; Yildirim, S; Bolat, I; Kordali, S; Yilmaz, F; Hacimuftuoglu, A; Celebi, O; **Margină, D**; Nitulescu, GM; Spandidos, DAA; Tsatsakis, A - Effects of boric acid and potassium metaborate on cytokine levels and redox stress parameters in a wound model infected with methicillin-resistant Staphylococcus aureus, Molecular Medicine Reports Volume26 Issue3 Article Number294 DOI10.3892/mmr.2022.12809 Published SEP 2022, IF 3,4
11. Ungurianu, A; Zăncărescu, A; **Margină, D** - Regulation of Gene Expression through Food-Curcumin as a Sirtuin Activity Modulator, Plants, Volume11, Issue13, Article Number1741, DOI10.3390/plants11131741, Published JUL 2022, IF 4,5
12. Ungurianu A., Zăncărescu A., Grădinaru D., Ionescu-Tîrgoviște C., Dănculescu Miulescu R., **Margină D.** - Interleukins and redox impairment in type 2 diabetes mellitus: mini-review and pilot study, Current Medical Research and Opinion (ICMO), 2022, IF 2,3 (Q2) article ID: ICMO 2033049, <https://doi.org/10.1080/03007995.2022.2033049>
13. Purdel C., Ungurianu A., **Margină D.**, Metabolic and Metabolomic Insights Regarding the Omega-3 PUFAs Intake

- in Type 1 Diabetes Mellitus, *Frontiers in Molecular Biosciences*, 2021, 8, 1228, eISSN: 2296-889X, doi: 10.3389/fmolb.2021.783065 (2020 IF: 6,113; AIS - Q1: Biochemistry & Molecular Biology, IF - Q2: Biochemistry & Molecular Biology)
14. Volynets G., Vyshniakova H., Nitulescu G., Nitulescu G.M., Ungurianu A., **Margina D.**, Moshynets O., Bdzholva V., Koleiev I., Iungin O., Tarnavskiy S., Yarmoluk S., Identification of Novel Antistaphylococcal Hit Compounds Targeting Sortase A, *Molecules*, 2021, 26, 7095, ISSN: 1420-3049 (Online), doi: 10.3390/molecules26237095 IF: 4.927, Q2: Biochemistry & Molecular Biology)
  15. Gradinaru D., Ungurianu A., **Margina D.**, Nițulescu G, Pena CM., Ionescu-Tîrgoviște C., Dănculescu Miulescu R - Zinc status, insulin resistance and glycoxidative stress in elderly subjects with type 2 diabetes mellitus, *Experimental and Therapeutic Medicine*, <https://doi.org/10.3892/etm.2021.10829>, December-2021 Volume 22 Issue 6, Print ISSN: 1792-0981, Online ISSN:1792-1015, Impact Factor: 2.751
  16. Sevim C., Ozkaraca M., Kara M., Ulas N., Mendil A.S., **Margina D.**, Tsatsakis A., Apoptosis is induced by sub-acute exposure to 3-MCPD and glycidol on Wistar Albino rat brain cells, *Environmental Toxicology and Pharmacology*, 87, 2021, doi: 10.1016/j.etap.2021.103735. impact factor 4,952
  17. Gradinaru D., Ungurianu A., **Margina D.**, Moreno-Villanueva M, Bürkle A. - Procaine–The Controversial Geroprotector Candidate: New Insights Regarding Its Molecular and Cellular Effects, *Oxidative Medicine and Cellular Longevity* Volume 2021, Article ID 3617042, <https://doi.org/10.1155/2021/3617042>, IF 7,31,
  18. Nitulescu G, **Margina D.**, Zanfirescu A, Olaru OT, Nitulescu GM - Targeting Bacterial Sortases in Search of Anti-Virulence Therapies with Low Risk of Resistance Development, *Pharmaceuticals* 2021, 14, 415. <https://doi.org/10.3390/ph14050415>, 2019 IF 4,286 Q1 Pharmacology and Pharmacy
  19. Ungurianu A., Zanfirescu A., Nițulescu G., **Margina D. (corresponding author)**, Vitamin E Beyond Its Antioxidant Label, *Antioxidants*. 2021; 10(5):634, doi: 10.3390/antiox10050634 (2019 IF: 6,312, Q1 Biochemistry & Molecular Biology, Q1 Chemistry, Medicinal, Q1 Food Science and Technology)
  20. **Margina D.**, Ungurianu A., Purdel C, Nitulescu GM, Tsoukalas D, Sarandi E, Thanasoula M, Burykina TI, Tekos F, Buha A, Nikitovic D, Kouretas D, Tsatsakis AM, Analysis of the Intricate Effects of Polyunsaturated Fatty Acids and Polyphenols on Inflammatory Pathways in Health and Disease *Food Chem Toxicol* 2020 Jul 5;111558. doi: 10.1016/j.fct.2020.111558. Online ahead of print, Volume: 143 Article Number: 111558 Published: SEP 2020 IF 4.679
  21. **Margina D.**, Ungurianu A. (corresponding author), Purdel C., Tsoukalas D., Sarandi E., Thanasoula M., Tekos F., Mesnage R., Kouretas D., Tsatsakis A., Chronic Inflammation in the Context of Everyday Life: Dietary Changes as Mitigating Factors, *Int. J. Environ. Res. Public Health*, 2020, 17(11):4135, ISSN 1660-4601, doi: 10.3390/ijerph17114135, IF: 2.849, Q1 (SSCI) / Q2 (SCIE) Public, Environmental & Occupational Health)
  22. Petrakis D, **Margina D\*** (corresponding author), Tsarouhas K, Tekos F., Stan M., Nikitovic D., Kouretas D., Spandidos D.A., Tsatsakis A - Obesity a risk factor for increased COVID 19 prevalence, severity and lethality, *Molecular Medicine Reports* 22: 9-19, 2020, DOI: 10.3892/mmr.2020.11217, IF 2,1
  23. Ungurianu A., **Margina D.**, Borsca C, Ionescu C., Von Scheven G., Ozio L.I, Faure P., Artur Y., Burkle A., Gradinaru D., and Moreno Villanueva M. - Radioprotective Effect of Procaine and Procaine-Derived Product Gerovital H3 in Lymphocytes from Young and Aged Individuals, *Oxidative Medicine and Cellular Longevity*, Volume 2020, Article ID 3580934, 10 pages, <https://doi.org/10.1155/2020/3580934> ISSN: 1942-0900, eISSN: 1942-0994, IF: 5.076, Q2 Cell Biology
  24. Ungurianu A., Șeremet O., Gagniuc E., Olaru O.T., Guțu C., Grădinaru D., Ionescu-Tîrgoviște C., **Margina D.** (corresponding author), Dănculescu-Miulescu R., Preclinical and clinical results regarding the effects of a plant-based antidiabetic formulation versus well established antidiabetic molecules, *Pharmacological Research* Volume 150, December 2019, 104522, <https://doi.org/10.1016/j.phrs.2019.104522>, Impact factor 5.574, ISSN: 1043-6618
  25. Musat, MG; Nitulescu, GM; Surleac, M; Tsatsakis,; Spandidos, DA; **Margina, D** 1 HIV-1 integrase inhibitors targeting various DDE transposases: Retroviral integration versus RAG-mediated recombination *MOLECULAR MEDICINE REPORTS* Volume: 20 Issue: 6 Pages: 4749-4762 DOI: 10.3892/mmr.2019.10777 Impact factor 1,851 Published: DEC 2019
  26. Nițulescu G, Dragoș Mihai Paul, Nicorescu IM, Olaru OT, Ungurianu A, Zanfirescu A, Nițulescu MG, **Margina D** - Discovery of Natural Naphthoquinones as Sortase A Inhibitors and Potential Anti-infective Solutions against *Staphylococcus Aureus*, *Drug Development and Research*, 2019;80:1136–1145 DOI: 10.1002/ddr.21599, ISSN 10982299, Impact factor:1.742, Online ISSN:1098-2299
  27. Olaru O.T., Zanfirescu A., Nițulescu Gm, Nitulescu G., Dinu-Pirvu C.E., Anuta V., Tsatsakis A., Spandidos D.A., **Margina D.**, Șeremet O, Predictive power of the Triticum root elongation test for the assessment of novel anti-proliferative therapies, *International Journal of Molecular Medicine*, 44: 16-24, 2019 Impact factor 2,928, Print ISSN: 1107-3756 Online ISSN: 1791-244X
  28. Farhood, HB; Balas, M; Gradinaru, D; **Margina, D** ; Dinischiotu, A, Effects of chlorogenic acid on the liver cell metabolism under high glucose conditions *ROMANIAN BIOTECHNOLOGICAL LETTERS* Volume: 24 Issue: 5 Pages: 883-892 DOI: 10.25083/rbl/24.5/883.892 Published: SEP-OCT 2019 IF 0,590, scor relativ de infleunță 0,160, ISSN: 1224-5984 (Print) ISSN: 2248-3942 (Electronic)
  29. Farhood Hb, Balas M, Gradinaru D, **Margina D**, Dinischiotu A -Hepatoprotective effects of chlorogenic acid under hyperglycemic conditions, *Rom Biotechnol Lett.* 2019; 24(2): 301-307 doi: 10.25083/rbl/24.2/301.307, IF 0,590, scor relativ de infleunță 0,160, ISSN: 1224-5984 (Print) ISSN: 2248-3942 (Electronic)
  30. Lee H.J., Spandidos DA , Tsatsakis A.M., **Margina D**, Izotov B.N. Yang S.H. - Neuroprotective effects of *Scrophularia buergeriana* extract against glutamate-induced toxicity in SH-SY5Y cells, *INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE*, Volume: 43 Issue: 5 Pages: 2144-2152 Published: MAY 2019, DOI: 10.3892/ijmm.2019.4139 Print ISSN: 1107-3756 Online ISSN: 1791-244X, Impact Factor: 2.784
  31. Zanfirescu A, Ungurianu A, Tsatsakis A.M., Nițulescu G.M., Kouretas D., Veskoukis A, Tsoukalas D, Engin A.B., Aschner M., **Margina D.** A review of the alleged health hazards of monosodium glutamate, *Comprehensive Reviews in Food Science and Food Safety*, Online ISSN:1541-4337, Volume: 18 Issue: 4 Pages: 1111-1134, Published: JUL 2019 DOI:10.1111/1541-4337.12448, IF:8,738,
  32. Ungurianu A, Șeremet O, Grădinaru D, Ionescu-Tîrgoviște C, **Margina D.**(corresponding author), Dănculescu Miulescu R. Spectrophotometric versus spectrofluorometric assessment in the study of the relationships between lipid peroxidation and metabolic dysregulation. *Chem Biol Drug Des.* 2019; 93:1026–1035. <https://doi.org/10.1111/cbdd.13474>, Online ISSN:1747-0285 IF 2,34
  33. Nitulescu G.M., Van De Venter M., Nitulescu G, Ungurianu A, Juzenas P, Peng Q, Olaru Ot, Grădinaru D, Tsatsakis A, Tsoukalas D, Spandidos Da, **Margina D.** - The Akt pathway in oncology therapy and beyond, *INTERNATIONAL JOURNAL OF ONCOLOGY* 53: 2319-2331, 2018
  34. Gradinaru D., Khaddour H., **Margina D.**, Ungurianu A., Borsca C., Ionescu C., Prada GI., Usher J., Elshimali Y. – Insulin-leptin axis, cardio-metabolic risk and oxidative stress in elderly with metabolic syndrome, DOI.org/10.1055/s-0043-123825, *Exp Clin Endocrinology Diabetes*, 2018, Volume: 126 Issue: 7 Pages: 445-452 Published: JUL 2018, ISSN 0947-7349 10.1055/s-0043-123825, Impact Factor 1,685,
  35. Borsca C, Gradinaru D, **Margina D.**, Prada GI, Pena C - Receptor of advanced glycation end products and cardiovascular risk in elderly with type 2 diabetes mellitus, DOI: <https://doi.org/10.4081/jbr.2017.6462>, *Journal of Biological Research*, Volume: 90, Issue: 2, Pages: 81-86, eISSN 2284-0230 pISSN 1826-8838 Vol 90, No 2 (2017)
  36. Șeremet OC, Olaru OT, Gutu M, Nitulescu GM, Ilie M, Negres S, Zbarcea CE, Purdel CN, Spandidos DA, Tsatsakis AM, Coleman MD And **Margina DM** - Toxicity of plant extracts containing pyrrolizidine alkaloids using alternative invertebrate models, *MOLECULAR MEDICINE REPORTS*, 17: 7757-7763, 2018, DOI: 10.3892/mmr.2018.8795, Print ISSN: 1791-2997 Online ISSN: 1791-3004 2016 Impact Factor: 1.692,
  37. Costa C, Tsatsakis A, Mamoulakis C, Teodoro M, Briguglio G, Caruso E, Tsoukalas D, **Margina D.**, Dardiotis E, Kouretas D, Fenga C, Current evidence on the effect of dietary polyphenols intake on chronic diseases, *Food and Chemical Toxicology*, 2017, 2017 Dec;110:286-299. DOI: 10.1016/j.fct.2017.10.023, ISSN: 0278-6915, IF 3,778,
  38. Nitulescu G., Nicorescu I.M., Olaru O.T., Ungurianu A., Mihai D.P., Zanfirescu A., Nitulescu G.M., Margina D. - Molecular Docking and Screening Studies of New Natural Sortase A Inhibitors, *Molecules*, 2017, 18, 2217; doi:10.3390/ijms18102217, ISSN 1420-3049, IF 2,861,

39. Gradinaru D; **Margina D.**, Borsa C, Ionescu C, Ilie, M; Costache M., Dinischiotu A., Prada GI - Adiponectin: possible link between metabolic stress and oxidative stress in the elderly, *Aging Clinical and Experimental Research*, e-ISSN 1720-8319, ISSN 1594-0667, DOI 10.1007/s40520-016-0629-z, Volume: 29 Issue: 4 Pages: 621-629 Published: AUG 2017, impact factor 1,368,
40. Ungurianu A; **Margina D.\*** (corresponding author); Bacanu C, Gradinaru D.; Ilie M; Danculescu Miulescu R.; Constantin L. - Adiponectin tissue level -state of the art marker of cardiovascular risk in obese patients *Interdiab 2017: diabetes mellitus in internal medicine* Book Series: International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications Pages: 341-349 Published: 2017
41. Seremet O.C.; Morosan E.; **Margina D. .\*** (corresponding author), Olaru OT.; Negres S.; Danculescu Miulescu R.; Dinu M. - The effects of certain dry plant extracts on some biochemical parameters, in diabetic rats, *Interdiab 2017: diabetes mellitus in internal medicine* Book Series: International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications Pages: 283-291 Published: 2017
42. Ungurianu A., **Margina D.\*** (corresponding author), Grădinaru D., Băcanu C., Ilie M., Tsitsimpikou C, Tsarouhas K, Spandidos D., Tsatsakis AM, Lipoprotein redox status evaluation as a marker of cardiovascular disease risk in patients with inflammatory disease, *Molecular Medicine Reports*, 15: 256-262, 2017, DOI: 10.3892/mmr.2016.5972, impact factor 1,559,
43. Seremet O., Bărbuceanu F., Ionică F.E., **Margina D.M.**, Guțu C.M., Olaru O.T., Ilie M., Gonciar V., Negreș S., Chiriță C. - Oral toxicity study of certain plant extracts containing pyrrolizidine alkaloids, *Rom J Morphol Embryol* 2016, 57(3):1017–1023, ISSN (print) 1220–0522, ISSN (online) 2066–8279, Impact Factor: 0.811,
44. Negreș S., Zănfirescu A., Ionică F.E., Moroșan E., Velescu B., Șeremet O.C., Zbârcea C.E., Ștefănescu E., Militaru M., Arsene A., **Margina D.M.**, Uncu L., Scutari C., Chiriță C. - Pharmacotoxicological screening on new derivatives of beta-phenylethylamine, potential agonists of beta3-adrenergic receptors, *Rom J Morphol Embryol* 2016, 57(3):969–978, ISSN (print) 1220–0522, ISSN (online) 2066–8279, Impact Factor: 0.811,
45. Nitulescu G, Zănfirescu A, Olaru OT, Nicorescu IM, Nitulescu GM, **Margina D** - Structural Analysis of Sortase A Inhibitors, *Molecules* 2016, 21, 1591; doi:10.3390/molecules21111591, impact factor 2.465,
46. Nitulescu GM., **Margina D. (autor corespondent)**, Juzenas P., Peng Q., Olaru OT., Saloustris E., Fenga C., Spandidos DA., Libra M., Tsatsakis AM. - Akt inhibitors in cancer treatment: The long journey from drug discovery to clinical use (Review), *International Journal Of Oncology*, 2016 Mar;48(3):869-85. doi: 10.3892/ijo.2015.3306. Epub 2015 Dec 24., ISSN: 1791-2423 factor de impact 3,025,
47. Danculescu Miulescu R; Trifanescu R; Carsote M; Paun, S; Culman, M; Sfetea, RC; **Margina D**, Poiana C- The effects of prolonged bromocriptine administration on glycemic control in patients with hyperprolactinemia , *INTERDIAB 2016: DIABETES MELLITUS AS CARDIOVASCULAR DISEASE* Book Series: International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications ISSN: 2393-3488 WOS:000373970400022 Pag 195-200, 2016
48. **Margina, D**; Bacanu, C; Gradinaru, D; Paun S ; Elian V; Neamtu MC; Ilie M; Danculescu Miulescu R - Biomarkers of obesity for the diagnosis of age-related cardio-vascular disease, *INTERDIAB 2016: DIABETES MELLITUS AS CARDIOVASCULAR DISEASE* Book Series: International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications ISSN: 2393-3488 WOS:000373970400033 Pag 293-301, 2016
49. Olaru, OT, Nitulescu, GM; Miu I; Danculescu Miulescu, R; **Margina, D** - Extracts from cynanchum acutum with potential use in the treatment of diabetes mellitus. Polyphenolic and flavonoids content, *INTERDIAB 2016: DIABETES MELLITUS AS CARDIOVASCULAR DISEASE* Book Series: International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications ISSN: 2393-3488 WOS:000373970400037 Pag 329-338, 2016
50. Ungurianu, A ; Danculescu Miulescu, R ; Gradinaru, D; Ilie, M; **Margina, D** - Fluorimetric assays for measuring the redox status of HDL, *INTERDIAB 2016: DIABETES MELLITUS AS CARDIOVASCULAR DISEASE* Book Series: International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications, WOS:000373970400053, ISSN: 2393-3488 Pag 477-489, 2016
51. Valeanu, A; **Margina, DM**; Gradinaru, D; Ilie, M; Dima, IE; Purdel, CN; Danculescu-Miulescu, R - Diabetic retinopathy and inflammation: a comparative statistical study on relevant blood serum parameters, *INTERDIAB 2016: DIABETES MELLITUS AS CARDIOVASCULAR DISEASE* Book Series: International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications ISSN: 2393-3488 WOS:000373970400054 Pag 490-499, 2016
52. **Margina D.**, Olaru OT, Ilie M., Grădinaru D., Guțu C., Voicu S., Dinischiotu A., Spandidos Da., Tsatsakis AM - Assessment of the potential health benefits of certain total extracts from *Vitis vinifera*, *Aesculus hippocastanum* and *Curcuma longa*, *EXPERIMENTAL AND THERAPEUTIC MEDICINE* 10: 1681-1688, 2015, DOI: 10.3892/etm.2015.2724, impact factor 1,269

Gradinaru D, **Margina D\* (corresponding author)**, Ilie M, Borsa C, Ionescu C, Prada GI, Correlation between erythropoietin serum levels and erythrocyte susceptibility to lipid peroxidation in elderly with type 2 diabetes, *Acta Physiologica Hungarica*, Volume 102 (4), pp. 400–408 (2015) DOI: 10.1556/036.102.2015.4.7 Impact Factor (2014): 0.734

6. Danculescu Miulescu R, Paun, DL, Alexe, O; **Margina, D** - Pituitary-adrenal axis in type 2 diabetic patients with chronic renal failure, proceedings paper in *Interdisciplinary Approaches In Diabetic Chronic Kidney Disease* , Pages: 159-165 , MAR 26-28, 2015, ISSN 2392-3488, Editura Niculescu București, pentru 1st International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications (INTERDIAB) Bucharest, ROMANIA
54. Dima I, Purdel C, **Margina D**, Gradinaru D, Danculescu Miulescu R, Ilie M - Comparative assessment of protein carbonyls in vitro and in vivo in samples from patients with type 2 diabetes, *Proceedings Paper in Interdisciplinary Approaches In Diabetic Chronic Kidney Disease* , Pages: 166-175, MAR 26-28, 2015, ISSN 2392-3488, Editura Niculescu București pentru 1st International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications (INTERDIAB) Bucharest, ROMANIA
55. Olaru OT, Venables L, Van De Venter M, Nițulescu GM, **Margina D.**, Spandidos Da., Tsatsakis Am - Anticancer potential of selected *Fallopia Adans* species, *ONCOLOGY LETTERS* 10: 1323-1332, 2015, DOI: 10.3892/ol.2015.3453, impact factor 1,554.
56. **Margina D**, Ilie M., Grădinaru D., Androutsopoulos VP., Kouretas D., Tsatsakis AM. - Natural products—friends or foes?, *Toxicology Letters* 236 (2015) 154–167, impact factor 3,35, ISSN: 0378-4274
57. Neamțu MC, Crăițoiu S, Avramescu ET, **Margina DM**, Băcănoiu MV, Turmeanu D., Dănculescu Miulescu R. - The prevalence of the red cell morphology changes in patients with type 2 diabetes mellitus, *Rom J Morphol Embryol* 2015, 56(1):183–189, ISSN (print) 1220–0522, Impact Factor: 0.723.
58. Purdel C, Dima I., **Margina D.**, Gradinaru D., Ilie M - Investigation of the Carbonylation Process of Protein Induced "in vitro" by Different Hydroxyl Radical Generating Systems, *REV. CHIM. (Bucharest)*, 66, No. 3, 2015, 320-323. ISSN 0034-7752, impact factor 0,677

Guțu CM, Olaru OT, Purdel NC, Ilie M, Neamți MC, Danculescu Miulescu R, Taina Avramescu E, **MARGINA D** - Comparative evaluation of short-term toxicity of inorganic arsenic compounds on *Artemia salina*, *Rom J Morphol Embryol* 2015, 56(3):1091–1096, Impact Factor: 0.723 ISSN (print) 1220–0522,

54. Purdel NC, Danculescu Miulescu R, Neamțu MC, Avramescu ET, Ilie M, Manda G, Margina D - Studies regarding the protective effects exhibited by antidepressants on cell models *Rom J Morphol Embryol* 2015, 56(2 Suppl):781–788, Impact Factor: 0.723, ISSN (on-line) 2066–8279, ISSN (print) 1220–0522,
60. Băcanu C, **Margina D (corresponding author)**, Mitrea N, Wael Rasheed N ghrelin as marker of age associated

- cardio-vascular disease, FARMACIA, 2014, Vol. 62, 4, 721-727, impact Factor 1,251, ISSN 0014-8237,
61. **Margina D.**, Ilie M., Manda G., Neagoe I., Danculescu-Miulescu R., Purdel CN., Gradinaru D - Long term in vitro effects of quercetin and epigallocatechin gallate on cell membrane parameters, Cellular and Molecular Biology Letters, acceptat pt publicare, Impact Factor (2013): 1.782
  62. Simionescu N., Niculescu L.S., Sanda G.M., **Margina D.**, Sima A.V. - Analysis of circulating microRNAs that are specifically increased in hyperlipidemic and/or hyperglycemic sera, Mol Biol Rep, 2014 DOI 10.1007/s11033-014-3449-2, impact factor 2.506,
  63. Bacanu C., **Margina D** (autor corespondent), Mitrea N., Ilie M - Assessment of age-related cardiovascular disease using redox stress markers, Farmacia, 2013, 61, 5, 931-938, ISSN 0014-8237, impact factor 0,669
  64. **Margina D**, Gradinaru D, Manda G, Neagoe I, Ilie M. - Membranar effects exerted in vitro by polyphenols - quercetin, epigallocatechin gallate and curcumin- on HUVEC and Jurkat cells, relevant for diabetes mellitus, *Food Chem Toxicol.* 61 (2013) 86-93 doi: 10.1016/j.fct.2013.02.046, impact factor 2,61, ISSN 0278-6915,
  65. Ionescu D, **Margina D.**, Ilie M, Iftime A, Ganea C - Quercetin and epigallocatechin-3-gallate effect on the anisotropy of model membranes with cholesterol, Food and Chemical Toxicology 61 (2013) 94-100, DOI information: 10.1016/j.fct.2013.03.007 impact factor 2,61, ISSN 0278-6915
  66. Gradinaru D, Borsa C, Ionescu C, **Margina D** - Advanced oxidative and glycoxidative protein damage markers in elderly with type 2 diabetes, Journal of proteomics 2013 Volume: 92 Pages: 313-22 DOI: 10.1016/j.jprot.2013.03.034, ISSN: 1874-3919 impact factor 3,929,
  67. Gubandru M, **Margina D\*** (autor corespondent), Tsitsimpikou C, Goutzourelas N, Tsarouhas K, Ilie M, Tsatsakis AM, Kouretas D. - Alzheimer's disease treated patients showed different patterns for oxidative stress and inflammation markers. Food Chem Toxicol. 61 (2013) 209-214 doi: 10.1016/j.fct.2013.07.013., ISSN: 0278-6915 impact factor 2,61,
  68. **Margina D**, Ilie M, Manda G, Neagoe I, Mocanu M, Ionescu D, Gradinaru D, Ganea C - Quercetin and epigallocatechin gallate effects on the cell membranes biophysical properties correlate with their antioxidant potential, Gen. Physiol. Biophys. (2012), 31, 47-55, doi:10.4149/gpb\_2012\_005, ISSN 0231-5882, ISSN: 0278-6915 factor de impact 1.146,
  69. **Margina D**, Ilie M, Gradinaru D - Quercetin and Epigallocatechin Gallate Induce *in Vitro* a Dose-Dependent Stiffening and Hyperpolarizing Effect on the Cell Membrane of Human Mononuclear Blood Cells, Int. J. Mol. Sci. 2012, 13, 4839-4859; doi:10.3390/ijms13044839, ISSN 1422-0067, impact factor 2,279,
  70. **Margina D**, Ilie M - The role of quercetin in membrane stability, Replay from D. Margina and M. Ilie, Gen. Physiol. Biophys. (2012), No. 2, Vol. 31, doi:10.4149/gpb\_2012\_027, ISSN 0231-5882, impact factor 1.146, ,
  71. **Margina D**, Ilie M, Mocanu M, Ionescu D.- Fluorimetric method for the evaluation of lipoperoxidation in different membrane models, Romanian Biotechnological Letters, vol 17, no 3, 2012, 7366-7372, **ISSN** 1224-5984 impact factor 0,349.
  72. Gradinaru D., Borsa C., Ionescu C., **Margina D.**, Prada G.I., Jansen E.- Vitamin D status and oxidative stress markers in elderly with impaired fasting glucose and type 2 diabetes mellitus, Aging Clinical and Experimental Research, 2012 Vol 24, No 6, 595-602, factor de impact 1,255, ISSN 1594-0667
  73. **Margina D**, Gradinaru D, Panaite C, Cimponeriu D, Vladica M, Danculescu R, Mitrea N - The association of adipose tissue markers for redox imbalance and the cardio-vascular risk in obese patients, HealthMED - Volume 5, Number 1, 2011, impact factor 0,311, 194-199, ISSN 1840-2291,
2. Danoiu S, Danoiu S, Danculescu-Miulescu R, **Margina D**. Evaluation of Serum Intercellular Adhesion Molecule 1 in Patient with Metabolic Syndrome and Vitamin D Deficiency. WSEAS Conference Proceedings, ISSN: 1792-4839, ISBN: 978-960-474-224-0, pg 174-177, Malta, September 15-17, 2010.
76. Breusing N., Grune T., Andrisic L., Atalay M., Bartosz G., Biasi F., Borovic S., Bravo L., Calals I., Casillas R., Dinischiotu A., Drzewinska J., Faber H., Fauzi N.M., Gajewska A., Gambini J., Gradinaru D., Kakkola T., Lojek A., Luczaj W., **Margina D.**, Mascia C., Mateos R., Meinitzer A., Mitjavila M.T., Mrakovic L., Munteanu M.C., Podborska M., Poli G., Sicinska P., Skrzydlewska E., Vina J., Wiswedel I., Zarkovic N., Zelzer S., Spickett C.M. - An inter-laboratory validation of methods of lipid peroxidation measurement in UVA-treated human plasma samples. Free Radical Research, 2010 44(10):1203-15. impact factor.,
  77. **Margina D**, Ilie M, Negrei C, Gradinaru D, Balanescu A, Mitrea N - Quercetin and epigallocatechin gallate *in vitro* induced changes in the membrane anisotropy of peripheral blood mononuclear cells from patients with inflammatory diseases, Journal of Medicinal Plants Research Vol. 4(22), 2388-2392, 18 November 2010, ISSN 1996-0875, impact factor 0,879,
  78. Dănculescu Miulescu R, Dănoiu S, Mușat M, **Margina D**, Poiană C - Corelația între grosimea endometrului și insulinorezistență la femeile obeze în post-menopauză, Gineco.Ro, Vol. 5, Nr. 18, 4/2009, 248-251, impact factor 0,053.
  79. Ilie M, **Margina D**, Katona E, Ganea C, Pencea C, Gradinaru D, Vladica M, Mitrea N, Balalau D - Quercetin and epigallocatechin gallate effect on the lipid order parameter of peripheral blood mononuclear cells from diabetes patients, Romanian Biotechnological Letters, Vol. 14, No. 6, 2009, pp. 4804-4811, impact factor 0,152;
  80. Grădinaru D, **Margina D**, Borșa C - *In Vitro* Studies Regarding The Antioxidant Effects Of Procaine, Gerovital H3 And Aslavitall, Revue Roumaine de Chimie, 2009, 54(9), 761-766, impact factor 0,263
  81. **Margina D**, Vlădică M, Dănculescu R, Grădinaru D, Mitrea N - Comparisson of different assessment models of insulin resistance in Romanian obese patients, Farmacia, ISSN 0014-8237, vol 57, 6:711-720, 2009, impact factor 0,144;
  82. **Margina D**, Grădinaru D, Mitrea N - Development of a potentiometric method for the evaluation of redox status in human serum, Revue Roumaine de Chimie, 2009, 54(1), 45-48, impact factor 0,263;
  83. Negrei C., **Margina D.**, Balanescu A., Ilie M., Gliga A., Baconi D., Balalau D., Preliminary results regarding certain redox stress parameters and peripheral blood mononuclear cell membrane fluidity for rheumatoid arthritis patients, Romanian Biotechnological Letters (ISSN 1224-5984), 2009, 14 (3):4436-4442, impact factor 0, 152;

## Projects

Director of the International Project awarded by Bionorica Germany in the action Global Research Initiative 2014, for the project Studies regarding certain biological effects of encapsulated vegetal extracts from plants with known cardio-vascular positive outcome

<http://bionorica.mx/nature-and-research/global-research-initiative/>

Director of the PostDoctoral project STUDIES REGARDING THE EFFECT OF SOME POLYPHENOLIC COMPOUNDS ON THE CELLULAR MECHANISMS INVOLVED IN THE DEVELOPMENT OF CARDIO-VASCULAR COMPLICATIONS OF CHRONIC HYPERGLYCEMIA, awarded by national competition, financed by CNCIS 2010-2012

[https://uefiscdi.gov.ro/userfiles/file/PROIECTE%20PD%20COMPETITIA%202009/REZULTATE%20PD\\_DOMENIU%204\\_4\\_FINAL.pdf](https://uefiscdi.gov.ro/userfiles/file/PROIECTE%20PD%20COMPETITIA%202009/REZULTATE%20PD_DOMENIU%204_4_FINAL.pdf)

Scientific coordinator on behalf of UMF Carol Davila, for the project "Study regarding the cellular, molecular and genic mechanisms through which dyslipidaemia induces insulin resistance; identification of active probiotic compounds and treatment methods", no 41-067, coordinated by Dr Anca Sima, Member of the Romanian Academy from N Simionescu Institute of Cellular Biology and Pathology, 2007-2010

Member in the research group of 6 projects coordinated by the Faculty of Pharmacy Bucharest

Member in the research team of the International project « Bioelectronic micro-devices for bioanalysis and diagnosis. Feasibility study for clinical applications, Bilateral Cooperation Romania Italia, Partner: Istituto di Fotonica e Nanotecnologie del CNR (CNR-IFN), Roma, Italia, 2006-2007.

## Memberships

Member in the editorial board for the following publications (ISI WOS):

Molecular Medicine Reports IF 1,851 din 2020

Toxicology Reports din 2020

Guest Editor

Nutrients IF 5,9, 2023, Special Issue "Intermittent Fasting on Human Health and Disease"

Reviewer for many ISI-WOS publications (see WOS profile)

## Other Relevant Information