

Mehdi Hedayati

Full Professor in Biochemistry

Scientific Resume (Jan 2013- July 2022)

Cellular and Molecular Endocrine Research Center,

Research Institute for Endocrine Sciences

Shahid Beheshti University of Medical Sciences Tehran Iran



Given Name: Mehdi

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Birth Date: 8 Feb 1969

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Education:

| <i>Degree</i> | <i>Field of Study</i> | <i>University</i> | <i>Period (year)</i> | |
|----------------------|---|--|-----------------------------|--------------------|
| <i>BSc</i> | <i>Chemistry</i> | <i>Sharif University of Technology, Tehran, Iran</i> | <i>1987</i> | <i>1991</i> |
| <i>MSc</i> | <i>Clinical Biochemistry</i> | <i>Tarbiat Modares University, Tehran, Iran</i> | <i>1992</i> | <i>1995</i> |
| <i>PhD</i> | <i>Biochemistry</i> | <i>Tehran University, Tehran, Iran</i> | <i>1996</i> | <i>2002</i> |

Positions:

1. *Professor, academic staff of Cellular and Molecular Endocrine Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (Initial Approved, Final Process, 2019)*
2. *Associate Prof. academic staff of Cellular and Molecular Endocrine Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2012-2018)*
3. *Assistant Prof. academic staff of Cellular and Molecular Endocrine Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2006-2012)*
4. *Head of Research Laboratories, Research Institute for Endocrine Sciences (2001-2018)*
5. *Head of central/Reference Iodine Lab in Iran (2006-2019), with service to the Middle East and north of African countries*
6. *Member of Biochemistry Committee in Ministry of Health (2006-2018)*
7. *Consultant of Biochemistry branch in Center of Disease Control (2012-2019)*
8. *Associate Editor of International Journal of Endocrinology and Metabolism (2012-2019)*
9. *Editorial Board of Iranian Journal of Endocrinology and Metabolism (2012-2019)*

Interest field:

- 1) *Biochemistry aspect of thyroid disorders, especially thyroid cancer*
- 2) *Genetic aspect of thyroid disorders, especially thyroid cancer*
- 3) *Laboratory methodology and Method development (Analytical Biochemistry and statistic and mathematics in biology)*
- 4) *Biochemistry and genetics of Obesity & Diabetes (Especially the endocrine aspect of adipose tissue, and Adipokines)*
- 5) *Iodine deficiency disorders (IDD), iodine determination methods, and quality control*

Honors & Awards:

- 1) *Outstanding scientist with H-index 28 and citation >1000 in 19th Research Festival of Shahid Beheshti University of Medical Sciences (2018).*
- 2) *Elected Associate Prof. in Medical basic research, 18th Research Festival of Shahid Beheshti University of Medical Sciences, (2017).*
- 3) *Outstanding scientist with H-index 26 and citation >1000 in 18th Research Festival of Shahid Beheshti University of Medical Sciences (2017).*
- 4) *Winner of 22th National Research Festival of Razi, Elected Associate Prof. in Medical basic research (2016).*
- 5) *Outstanding scientist with H-index 24 and citation >1000 in 17th Research Festival of Shahid Beheshti University of Medical Sciences (2016).*
- 6) *Outstanding scientist with H-index 22 and citation >1000 in 16th Research Festival of Shahid Beheshti University of Medical Sciences (2015).*
- 7) *Elected Associate Prof. in Medical basic research, 14th Research Festival of Shahid Beheshti University of Medical Sciences, (2013).*
- 8) *Winner of Islamic World Science Citation Center (ISC) Research festival as the seventh high cited scientist (2013).*
- 9) *Winner of Islamic World Science Citation Center (ISC) Research festival as the fourth cited scientist (2012).*
- 10) *Winner of First Biochemist title (Research Festival of Ministry of Sciences (2010)*
- 11) *The Top Biochemist in the Country, Elected by Ministry of Health (2009)*
- 12) *Winner of Outstanding Researcher title (Research Festival of Ministry of Health (2009)*
- 13) *Winner of 8th Research Festival of Shahid Beheshti University of Medical Sciences (2007).*

14) Winner of 7th Research Festival of Shahid Beheshti University of Medical Sciences (2006).

Published Books:

1. *Cancer Biology 2015 (Mehdi Hedayati) ISBN-978-600-7186-07-7*
2. *Endocrinology 2016 (Mehdi Hedayati) ISBN-978-600-8493-39-6*
3. *Book Chapter Thyroid Cancer 2016 (Mehdi Hedayati)*
4. *Medullary Thyroid Cancer 2017 (Mehdi Hedayati) ISBN-978-600-5907-89-6*
5. *Real Time PCR 2017 (Mehdi Hedayati) ISBN-978-600-8493-70-9*
6. *Thyroid Cancer 2016 (Mehdi Hedayati) ISBN-978-600-5907-99-5*
7. *Numerical Methods in Selecting Location of Distributed Generation in Energy Network 2021 (Mehdi Hedayati) ISBN-978-3-030-62190-2*
8. *Numerical Methods for Power System Analysis with FACTS Devices Applications (Mehdi Hedayati) ISBN-978-3-030-62190-2*
9. *In-vitro diagnostic devices: introduction to current point-of-care diagnostic devices 2021 (Mehdi Hedayati) ISBN-978-622-6653-36-7*
10. *Philosophy of Science 2021 (Mehdi Hedayati) ISBN-978-622-6653-37-4*
11. *Clinical Biochemistry: Endocrinology and Metabolic Disease Based on Case Reports 2022 (Mehdi Hedayati) ISBN 978-622-7595-89-5*
12. *Fundamental and Analytical Methodologies in Metabolomics 2022 (Mehdi Hedayati) ISBN 978-622-7595-77-2*
13. *Diabetes Management, A manual for patient-centred care 2022 (Mehdi Hedayati) ISBN 978-622-6653-60-2*

| <i>Seven Years Published papers</i> | | |
|-------------------------------------|-----------------|--------------|
| <i>International</i> | <i>National</i> | <i>Total</i> |
| <i>304</i> | <i>114</i> | <i>418</i> |

Approved Research Projects (2015-2020)

- 1. The study of Association between Plasma Selenium Level and mRNA expression of SOCS6, RSK4, NOL4 tumor suppressing Genes in Patients with Papillary Thyroid Cancer*
- 2. The study of Association between Plasma Selenium Level and methylation of SOCS6, RSK4, NOL4 tumor suppressing Genes the sin Patients with Papillary Thyroid Cancer*
- 3. The study of the Effect of selenium on Methylation of DAPK1, SLC5A8, SOCS6, RSK4, NOL4 tumor Suppressing Genes in Thyroid Papillary Cancer cell line*
- 4. The study of Association between Plasma Selenium Level, methylation and mRNA level of DAPK1 ,SLC5A8 tumor suppressing Genes in Patients with Papillary Thyroid Cancer*
- 5. Assessment of the expression changes of MT4-MMP and MT6-MMP proteins in papillary thyroid carcinoma and its association with lymph node metastasis*
- 6. CRISPR Genome Editing of RET Oncogene, and transcriptome analysis of cell proliferation and differentiation in Medullary Thyroid Carcinoma*
- 7. CRISPR Genome Editing of RET Oncogene, and transcriptome analysis of angiogenesis in Medullary Thyroid Carcinoma*
- 8. CRISPR Genome Editing of RET Oncogene, and transcriptome analysis of apoptosis in Medullary Thyroid Carcinoma*
- 9. CRISPR Genome Editing of RET Oncogene, and transcriptome analysis of metastasis in Medullary Thyroid Carcinoma*

10. *CRISPR Genome Editing of RET Oncogene, a New Potential Therapeutic Approach for Medullary Thyroid Carcinoma*
11. *Assessment of ganetespib effects on the gene and protein expression of HIF-1 α and NIS in papillary thyroid cancer cell line under hypoxia.*
12. *Evaluation of Reference Genes Expression for Normalization of Relative Real-time-PCR Studies in Human Papillary Thyroid Cancer*
13. *Diagnosis of Thyroid Cancer Using Metabolism: A Review Article*
14. *Assessment of ganetespib effects on gene and protein expression of E-cadherin and MMP9 in papillary thyroid cancer cell line under hypoxia*
15. *Assessment of serum metabolomics profiles in patients with papillary thyroid cancer, multinodular goiter and healthy subjects by H-NMR: a pilot study*
16. *Study of miR-154, miR-183, miR-127 expression in Medullary Thyroid Carcinoma tumors*
17. *Study of miR-375, miR-224 and miR-10a expression in Medullary Thyroid Carcinoma tumors*
18. *Expression assessment of TSPAN1 and Fibulin1 Proteins in benign and malignant thyroid tumors*
19. *Assessment of PI3K/AKT/mTOR and Wnt/beta catenin pathway inhibitors coadministration effects on different thyroid cancer cell lines*
20. *Assessment of levonorgestrel and ethinyl estradiol effects on some angiogenic, apoptotic and growth factors in human papillary thyroid cancer cell line BCPAP*
21. *Assessment of RET gene promoter methylation changes and MRNA expression in tumoral tissues of patients affected with medullary thyroid carcinoma*
22. *Analysis of somatic mutations in exons 10,11, 16 of the RET proto-oncogene in Iranian patients with medullary thyroid carcinoma*

23. *Investigating the relationship between the expression of FTO, Apelin, Leptin, P53 and PPAR γ genes with fatty acids intake in subcutaneous adipose tissue in normal, overweight and obese individuals: OES*
24. *Analysis of RET gene mutations in Medullary Thyroid Cancer patients in a 10-year period*
25. *Epigenetic changes in the thyroid cancer subtypes and their therapeutic application*
26. *Metformin and Thyroid Cancers: A Systematic Review*
27. *Assessment of plasma levels of CTRP6 and Cartonectin Adipokines and their association with Clinicopathological features in papillary thyroid carcinoma patients*
28. *"Does Parathyroid Hormone-related Protein (PTHrP) Disturb Energy Metabolism to Induce*
29. *? Cancer Cachexia"*
30. *The frequency of BRAFV600E Mutation and PAX8/PPAR γ Chromosomal Rearrangement in Thyroid Nodules and their Association with Cancer*
31. *Evaluation of serum Omentin levels in obese and non-obese individuals*
32. *Assessment of AXL signaling pathway and its controlling miRNAs in blood and tissue samples of medullary thyroid carcinoma patients*
33. *Assessment of Expression of PTEN Enzyme and Nuclear Protein KLLN at mRNA Level in Tissue Samples of Patients with Papillary Thyroid Cancer*
34. *Assessment of Expression of PTEN Enzyme and Nuclear Protein KLLN at Protein Level in Tissue Samples of Patients with Papillary Thyroid Cancer*

35. *Study of expression in miRNAs miR-197, miR-224, miR-183, miR221/-222, miR-129, miR-339, miR-146b in patients with adenoma and follicular thyroid carcinoma*
36. *Assessment of P53 and PTEN genes methylation changes in subcutaneous and visceral adipose tissues in obese and over-weight individuals*
37. *Evaluation of DNA methylation of CpG region in the promoter of the RASSF1A, TSHR, NIS, and TIMP-3 genes in papillary thyroid cancer (PTC)*
38. *Study of Association between Serum Thyroglobulin Iodine Content and Urinary Iodine Status in an Iranian Population*
39. *Determination of serum Resistin level in bladder cancer patients*
40. *Evaluation the Correlation of P53 Gene Expression with Insulin Resistance and Protein intake in Obese and Non-obese Subjects*
41. *Association study of RET proto-oncogene mutations in 9, 11, 13 and 15 exons with serum Vaspin and RBP4 Adipokines levels in medullary thyroid carcinoma patients*
42. *Association study of RET proto-oncogene mutations in 10 ,12 ,14 ,16 exons with serum Chemerin and VEGF Adipokines level in medullary thyroid carcinoma patients*
43. *Evaluation of Omentin gene expression in omental and subcutaneous fats in obese and non-obese individuals*
44. *Effect of Bisphenol A as an Occupational Factor & Calcitriol as a Nutritional Factor on Proliferation & Differentiation of Human Mesenchymal Stem Cells to Adipocytes*

45. *Association study of FokI polymorphism of vitamin D receptor gene in vitamin D3 supplementation efficacy on anthropometric measures, body composition and inflammatory markers according to in overweight women*
46. *Assessment of PI3K inhibitor (LY294002) and MEK inhibitor (Selumetinib) effect on NIS gene and protein expression in CD133+ stem cells of anaplastic thyroid cell line*
47. *Assessment of metformin effects on genes and proteins expression involved in PI3K/Akt/FoxO1 pathway, an AMPK-independent pathway, in anaplastic and medullary thyroid carcinoma cell lines*
48. *Assessment of Expression of PTEN Enzyme and Nuclear Protein KLLN at Protein Level in Tissue Samples of Patients with Papillary Thyroid Cancer*
49. *Study of expression in miRNAs miR-197, miR-224, miR-183, miR221/-222, miR-129, miR-339, miR-146b in patients with adenoma and follicular thyroid carcinoma*
50. *Study of mutations frequency of exon 19 of the RET proto-oncogene in Iranian patients with Medullary Thyroid Carcinoma*
51. *Study of mutation frequency in exons 1, 2 and promoter of RET proto-oncogene in Iranian patients with Medullary Thyroid Carcinoma*
52. *Study of mutations frequency in exons 17 and 18 of the RET proto-oncogene in Iranian patients with Medullary Thyroid Carcinoma*
53. *Study of 8 weeks HIIT on troponin T, metallothionein, Apelin and cardiac in health male rats*
54. *Comparison of the effect of 8 weeks endurance and high intensity interval training on gene expression of PGC-1 α and VEGF in cardiac muscle of healthy male rats*
55. *Association between Apelin gene relative expression and dietary fatty acids in obese and normal weight subject*

56. *Assessment of miR-222 expression and its association with MMP-9 and TIMP-3 genes expression in papillary thyroid cancer (PTC) tumor*
57. *Assessment of miR-18b, and miR-222 expression and its association with mutation of BRAF in papillary thyroid cancer (PTC) tumor*
58. *DNA methylation pattern in promoter region of TTF-1 gene in thyroid cancers*
59. *Assessment of miR-137 and miR-214 expression and its association with mutation of BRAF in papillary thyroid cancer (PTC) tumor*
60. *Study of variation in plasma levels of Osteocalcin, Retinol binding protein-4 and identification of single nucleotide polymorphism in promoter of Osteocalcin gene in patients with medullary thyroid Carcinoma*
61. *Association study of serum Omentin level with exon 19 mutation of RET proto-oncogene in Medullary thyroid carcinoma*
62. *Association study of BsmI polymorphism of vitamin D receptor gene in vitamin D3 supplementation efficacy on anthropometric measures, body composition and inflammatory markers according to in overweight women*
63. *Assessing and comparing the PAX8 gene expression in follicular cancers and benign nodules of thyroid*
64. *Categorizing of Tehran lipid and glucose study data in Research Institute for Endocrine Sciences*
65. *Association study of FokI polymorphism of vitamin D receptor gene in vitamin D3 supplementation efficacy on anthropometric measures, body composition and inflammatory markers according to in overweight women*

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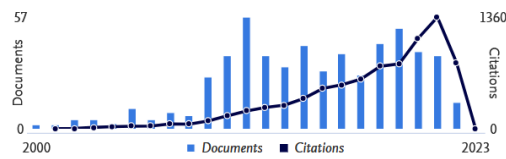
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Mehdi Hedayati

Professor (Biochemistry) · Head of Department

Institution and department

Research Institute for Endocrine Sciences · Cellular and Molecular
Endocrine Research Center

Skills

Exercise · Thyroid Cancer · Metabolic Syndrome + 57 others



Link: https://www.researchgate.net/profile/Mehdi_Hedayati1

Last Ten years Published Papers:

1. International Published Papers:

304. Eskandari F, Zardooz H, Khodagholi F, **Hedayati M**. Maternal separation aggravated pancreatic oxidative and inflammatory damage in chronic socially defeated adult male rats. *Diabetes Research and Clinical Practice* 185S (2022) 109602.
303. Ghazanfari Jajin M, Abooshahab R, Moradi A, Siadat SD, Mirzazadeh R, Goodarzvand Chegini K, **Hedayati M**. Gas chromatography-mass spectrometry-based untargeted metabolomics reveals metabolic perturbations in medullary thyroid carcinoma. *Sci Rep*. 2022 May 19;12(1):8397.
302. Farhadnejad H, Asghari G, **Hedayati M**, Sahranavard SH, Teymoori F, Azizi F. Effect of *Ziziphus jujube* on cardiometabolic factors and systemic inflammation in type 2 diabetic patients: A randomized controlled trial. *Clin Nutr ESPEN*. 2022 Jun; 49:53-60.
301. Nazeri P, Akbarzadeh M, Pearce EN, **Hedayati M**, Dalili H. Iodine Status of Preterm Infants Born in an Area of Iodine Sufficiency: Are They at Risk of Iodine Deficiency? *Endocr Pract*. 2022 Jun 6; S1530-891X (22)00520-1.
300. Zolfaghari M, Faramarzi M, **Hedayati M**, Ghaffari M. The effect of resistance and endurance training with ursolic acid on atrophy-related biomarkers in muscle tissue of diabetic male rats induced by streptozotocin and a high-fat diet. *J Food Biochem*, 2022 May 20; e14202
299. Hosseinpour-Niazi S, Mirmiran P, Hadaegh F, Daneshpour MS, **Hedayati M**, Azizi F. The effect of TCF7L2 polymorphisms on inflammatory markers after 16 weeks of legume-based dietary approach to stop hypertension (DASH) diet versus a standard DASH diet: a randomised controlled trial. *Nutr Metab (Lond)*. 2022 May 18;19(1):35.

298. Zarif-Yeganeh M, D Farhud D, Rahimpour A, Sheikholeslami S, Shivaie S, **Hedayati M**. CRISPR/Cas9 RET Gene Knockout in Medullary Thyroid Carcinoma Cell-lines: Optimization and Validation, Iran J Public Health, Vol. 51, No.5, May 2022, pp.1084-1096
297. Heydarzadeh SH, Kheradmand Kia S, Zarkesh M, Pakizehkar S, Hosseinzadeh S, **Hedayati M**. The Cross-Talk between Polyphenols and the Target Enzymes Related to Oxidative Stress-Induced Thyroid Cancer, Oxidative Medicine and Cellular Longevity, Volume 2022, Article ID 2724324, 20 pages
296. Chary A, **Hedayati M**. Review of Laboratory Methods to Determine HDL and LDL Subclasses and Their Clinical Importance. Rev. Cardiovasc. Med. 2022; 23(4): 147
295. Aliakbari M, Saghebjo M, Sarir H, **Hedayati M**. Hydroalcoholic extract of dill and aerobic training prevents high-fat diet-induced metabolic risk factors by improving miR-33 and miR-223 expression in rat liver. J Food Biochem. 2022;00: e14195
294. Nezhadali M, Mesbah-Namin S.S, **Hedayati M**, Akbarzadeh M, Najd Hassan Bonab L, Daneshpour MS. Serum adiponectin and cortisol levels are not affected by studied ADIPOQ gene variants: Tehran lipid and glucose study, BMC Endocr Disord. 2022 Apr 18;22(1):104.
293. Saffari I, Saghebjo M, **Hedayati M**, Sarir H, Dimauro I. Short and Long-Term Interval Effects of High-Intensity Interval Training on Pathways Related to Telomere Homeostasis in Rat Skeletal Muscle, Middle East J Rehabil Health Stud. In Press (In Press): e121818
292. Abbasalipourkabir R, **Hedayati M**, Sheikh N, Ebadi SA. Comparison of Neuron-specific Enolase (NSE) Serum Level in Patients with Medullary Thyroid Carcinoma and Healthy individuals: Case-Control Study, Novelty in Clinical Medicine 1 (1), 26-31, Doi: 10.22034/ncm.2022.140284.
291. Heydarzadeh SH, Moshtaghi AA, Daneshpour M, **Hedayati M**. Molecular Mechanisms of Glucose Uptake Regulation in Thyroid Cancer, IntechOpen, 2022, DOI: 10.5772/intechopen.101937.

290. Karimzadeh L, Behrouz V, Sohrab G, **Hedayati M**, Emami G. A Randomized Clinical Trial of Beetroot Juice Consumption on Inflammatory Markers and Oxidative Stress in Patients with Type 2 Diabetes, Research Square, 2022, DOI: 10.21203/rs.3.rs-1162429/v1.
289. Bateni Z, Behrouz V, Rahimi HR, **Hedayati M**, Afsharian SH, Sohrab G. Effects of nano-curcumin supplementation on oxidative stress, systemic inflammation, adiponectin, and NF- κ B in patients with metabolic syndrome: A randomized, double-blind clinical trial, Journal of Herbal Medicine, 2022, 31, P. 100531, Doi: 10.1016/j.hermed.2021.100531
288. Sheikkholeslami S, Azizi F, Ghasemi A, Alibakhshi A, Parsa H, Shivaee S, Zarif-Yeganeh M, **Hedayati M**, Teimoori-Toolabi L. The Epigenetic Modification of SLC5A8 in Papillary Thyroid Carcinoma and Its Effects on Clinic-Pathological Features, Iran J Public Health, Vol. 51, No.3, Mar2022, pp.634-642, Doi: 10.18502/ijph. v51i3.8940
287. Parvanehvar S, Tehranian N, Kazemnejad A, Mozdarani H, **Hedayati M**. Maternal serum adiponectin and leptin levels and their gene expression, postpartum body mass index, and breastfeeding duration based on mode of delivery: A prospective study, J Obstet Gynaecol Res. 2022 Apr 5. Doi: 10.1111/jog.15251. Online ahead of print.
286. Eskandari F, Salimi M, **Hedayati M**, Zardooz H. Maternal separation induced resilience to depression and spatial memory deficit despite intensifying hippocampal inflammatory responses to chronic social defeat stress in young adult male rats. Behav Brain Res. 2022 May 3; 425:113810. DOI: 10.1016/j.bbr.2022.113810. Epub 2022 Feb 19.
285. Eskandari F, Zardooz H, **Hedayati M**. The Influence of Maternal Separation on Depressive Symptoms and Energy Homeostasis in Young Adult Male Rat Offspring Subjected to Chronic Social Defeat Stress, NEUROENDOCRINOLOGY, 2021, 111 (SUPPL 1), 41-42
284. Dehghan MH, Ashrafi MR, **Hedayati M**, Shivaee S, Rajabi S. Oral Contraceptive Steroids Promote Papillary Thyroid Cancer Metastasis by Targeting Angiogenesis and Epithelial-Mesenchymal Transition, Int J Mol Cell Med, Summer 2021;10(3):219-226. Doi: 10.22088/IJMCM.BUMS.10.3.218. Epub 2022 Jan 10.

283. Nazem MR, Bastanhagh E, Emami A, **Hedayati M**, Samimi S, Karami M. The relationship between thyroid function tests and sleep quality: a cross-sectional study, *Sleep Sci*, Jul-Sep 2021;14(3):196-200, DOI: 10.5935/1984-0063.20200050.
282. Behboudi-Gandevani, S., **Hedayati M**, Mansournia, M.A., ...Rahmati, M., Tehrani, F.R., The associations between serum concentrations of irisin and glucose-dependent insulinotropic polypeptide with body mass index among women with and without polycystic ovary syndrome, *International Journal of Endocrinology and Metabolism*, 2021, 19(4), e111914, DOI: 10.5812/IJEM.111914
281. Daneshafrooz A, Yuzbashian E, Zarkesh M, Asghari G, **Hedayati M**, Abooshahab R, Fanaei S.M., Khalaj A., The relation of omentin gene expression and glucose homeostasis of visceral and subcutaneous adipose tissues in non-diabetic adults, *Mol Biol Rep*. 2021 Nov 5. doi: 10.1007/s11033-021-06854-4.
280. Yuzbashian E, Asghari G, Beheshti N, **Hedayati M**, Zarkesh M, Mirmiran P, Daneshafrooz A, Khalaj A., Plasma Fatty Acid Composition Was Associated with Apelin Gene Expression in Human Adipose Tissues, *Biomed Res Int* 2021 Oct 6;2021:8846483. doi: 10.1155/2021/8846483.
278. Zarkesh, M., Arab, N., Tavangar, S.M., ...Fanaei, S.M., **Hedayati M**, Utilizing the circulating tumor markers in diagnosis and management of medullary thyroid cancer, *Pathology Research and Practice* this link is disabled, 2022, 229, 153694. Doi: 10.1016/j.prp.2021.153694
277. Ahmadabadi F, Saghebjo M, **Hedayati M**, Hoshyar R, Huang CJ., Treatment-induced tumor cell apoptosis following high-intensity interval training and saffron aqueous extract in mice with breast cancer. *Physiol Int*. 2021 Apr 14. doi: 10.1556/2060.2021.00009
276. Dehghani M, Davoodi Z, Bidari F, Moghaddam AM, Khalili D, Bahrami-Motlagh H, Jamali E, Alamdari S, Hosseinpanah F, **Hedayati M**, Valizadeh M., Association of different pathologic subtypes of growth hormone producing pituitary adenoma and remission in

- acromegaly patients: a retrospective cohort study. *BMC Endocr Disord.* 2021 Sep 16;21(1):186. doi: 10.1186/s12902-021-00850-2.
275. Abooshahab R, Hooshmand K, Razavi F, Dass CR, **Hedayati M.** A glance at the actual role of glutamine metabolism in thyroid tumorigenesis. *EXCLI J.* 2021 Jul 12;20:1170-1183. doi: 10.17179/excli2021-3826. eCollection 2021.
274. Velayati, A., Kareem, I., Sedaghat, M., ... **Hedayati, M.**, Abhari, K., Hejazi, E., Does symbiotic supplementation which contains *Bacillus Coagulans* *Lactobacillus rhamnosus*, *Lactobacillus acidophilus* and fructooligosaccharide has favourite effects in patients with type-2 diabetes? A randomised, double-blind, placebo-controlled trial, *Archives of Physiology and Biochemistry*, 2021
273. Islami, F., Saghebjo, M., Kazemi, T., **Hedayati, M.**, Gym and home-based combined training in men with primary hypertension: are they equally effective on functional fitness profile, body composition components, and biochemical parameters of hypertension? *Clinical and Experimental Hypertension*, 2021
272. Eskandari, F., Salimi, M., Khodaghali, F., **Hedayati, M.**, Zardooz, H., Investigation of the effects of maternal separation on the pancreatic oxidative and inflammatory damages along with metabolic impairment in response to chronic social defeat stress in young adult male rats. *Journal of Diabetes and Metabolic Disorders*, 2021
271. Moazzam-Jazi, M., Lanjanian, H., Maleknia, S., **Hedayati, M.**, Daneshpour, M.S. Interplay between SARS-CoV-2 and human long non-coding RNAs. *Journal of Cellular and Molecular Medicine*, 2021, 25(12), pp. 5823–5827
270. Dehghan, M.H., **Hedayati, M.**, Shivaee, S., Shakib, H., Rajabi, S. Tamoxifen triggers apoptosis of papillary thyroid cancer cells by two different mechanisms. *Gene Reports*, 2021, 24, 101266

269. Razavi, S.A., Salehipour, P., Gholami, H., ...Modarressi, M.H., **Hedayati, M.** New evidence on tumor suppressor activity of PTEN and KLLN in papillary thyroid carcinoma. *Pathology Research and Practice*, 2021, 225, 153586
268. Delshad, H., Raeisi, A., Abdollahi, Z. Tihidi M, **Hedayati M.** ...Nobakht, F., Azizi, F., Iodine supplementation for pregnant women: a cross-sectional national interventional study, *Journal of Endocrinological Investigation*, 2021, 44(10), pp. 2307–2314
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