

Mehdi Hedayati

Professor in Biochemistry

Scientific Resume (Jan 2013- May 2023)

Cellular and Molecular Endocrine Research Center,

Research Institute for Endocrine Sciences

Shahid Beheshti University of Medical Sciences Tehran Iran



Given Name: Mehdi

Surname: Hedayati

Marital status: Married

Birth Date: 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 Cellular and Molecular Endocrine Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (Since 2012)*
5. *Head of Research Laboratories, Research Institute for Endocrine Sciences (2001-2018)*
6. *Head of central/Reference Iodine Lab in Iran (2006-2019), with service to the Middle East and north of African countries*
7. *Member of Biochemistry Committee in Ministry of Health (2006-2018)*
8. *Consultant of Biochemistry branch in Center of Disease Control (2012-2019)*
9. *Associate Editor of International Journal of Endocrinology and Metabolism (2012-2019)*
10. *Editorial Board of Iranian Journal of Endocrinology and Metabolism (2012-2019)*
11. *Research Vice Chancellor of Research Institute for Endocrine Sciences (Since 2023)*

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. In-vitro diagnostic devices: introduction to current point-of-care diagnostic devices 2021 (Mehdi Hedayati) ISBN-978-622-6653-36-7*
- 8. Philosophy of Science 2021 (Mehdi Hedayati) ISBN-978-622-6653-37-4*
- 9. Clinical Biochemistry: Endocrinology and Metabolic Disease Based on Case Reports 2022 (Mehdi Hedayati) ISBN 978-622-7595-89-5*
- 10. Fundamental and Analytical Methodologies in Metabolomics 2022 (Mehdi Hedayati) ISBN 978-622-7595-77-2*
- 11. Diabetes Management, A manual for patient-centered care 2022 (Mehdi Hedayati) ISBN 978-622-6653-60-2*
- 12. Genetic Ethics (An Introduction) 2023 (Mehdi Hedayati) ISBN 978-622-5946-43-9*

<i>Last Ten Years Published papers</i>		
<i>International</i>	<i>National</i>	<i>Total</i>
326	114	440

Approved Research Projects (2015-2023):

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*

66. *Assessment of association DOT1L, KLF9, LRRC8D, SEPSECS, NLRP3 and FOXK2 genes methylation with thyroid hormones level in TLGS study*
67. *Comparative analysis of GC–MS based metabolomics of SW1736, C643, and 8305C cancer cells treated with Tamoxifen*
68. *Regulators of Glucose Uptake in Thyroid Cancer Cell Lines*
69. *Biochemical markers: What do they play for prediction, diagnosis and prognosis of COVID-19*
70. *The effects of consuming beetroot juice on anthropometric measurements, glycemic control, lipid index, blood pressure, systemic and vascular inflammation and oxidative stress in plasma and nuclear factor kappa in peripheral blood mononuclear cells in patients with type 2 diabetes: an experimental study Random clinical*
71. *Investigating the effects of supplementing with crocin on lipid profile and markers of oxidative stress in patients with type 2 diabetes*
72. *Examining the plasma level of selenium in patients with papillary thyroid cancer and the effect of selenium in the papillary thyroid cancer cell line on the methylation of tumor suppressor genes NOL4, RSK4, SOCS6, SLC5A8, DAPK1*
73. *Investigating a new treatment approach for medullary thyroid cancer by targeting RET oncogene using CRISPER/Cas9 gene editing method*
74. *Supplemental effects of crocin supplementation on plasma levels of metabolic parameters, inflammatory factors, oxidative stress and AMP active protein kinase concentration in patients with type 2 diabetes*
75. *Supplemental effects of soy isoflavones on cardiovascular disease risk factors and bone metabolism markers in peritoneal dialysis patients.*

- 76. Investigating changes in the expression of MT4-MMP and MT6-MMP proteins in papillary thyroid cancer and its relationship with lymph node metastasis*
- 77. Effects of synbiotic supplement containing Bacillus coagulans and fructooligosaccharide on glycemic control, lipid profile, blood pressure and systemic inflammation in patients with type 2 diabetes.*
- 78. The effects of nanomicelle curcumin supplementation on blood pressure, anthropometric indices, glycemic control and serum concentration of lipid parameters in patients with metabolic syndrome*
- 79. Studying the prevention and reduction of the effects of aflatoxicosis in animal models using immunochemical techniques*

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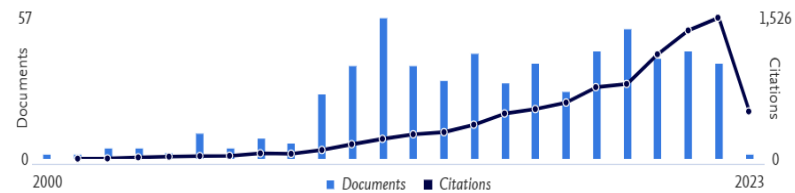
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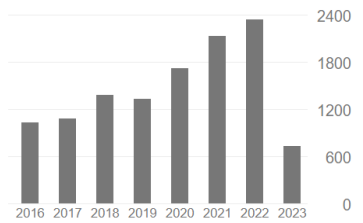
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Mehdi Hedayati

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Professor (Biochemistry)

About

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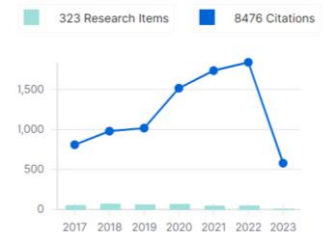
Introduction

Head of Cellular ^ Molecular Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences

Skills and Expertise

PCR DNA Sequencing Protein Expression Stress Analysis SDS-PAGE Nutrition
Cell Culture X-ray Diffraction RNA Extraction Gene Expression

Citations since 2017



<https://www.researchgate.net/profile/Mehdi-Hedayati-2>

Last Ten years Published Papers:

1. International Published Papers:

- 326: Daneshpour M.S, Akbarzadeh M, Lanjanian H,, **Hedayati M** & Azizi F. Cohort profile update: Tehran cardiometabolic genetic study. Eur J Epidemiol (2023). <https://doi.org/10.1007/s10654-023-01008-1>
325. Hasanian-Langroudi F, Ghasemi A, **Hedayati M**, Siadat S.D, Tohidi M. Novel Insight into the Effect of Probiotics in the Regulation of the Most Important Pathways Involved in the Pathogenesis of Type 2 Diabetes Mellitus. Probiotics & Antimicro. Prot. (2023). <https://doi.org/10.1007/s12602-023-10056-8>
324. Heydarzadeh Sh, **Hedayati M**. RET Proto-Oncogene Mutations: Impact on Diagnosis, Treatment and Prognosis of MTC. Intechopen (2023); Book Chapter. <https://doi.org/10.5772/intechopen.108941>
323. Binayi S, Fahanik-Babaei J, Salimi M, Eskandari F, ..., **Hedayati M**, Khodaghali S, Eliassi A, Zardooz H. Endoplasmic reticulum stress inhibition ameliorated WFS1 expression alterations and reduced pancreatic islets' insulin secretion induced by high-fat diet in rats. Scientific Reports .(2023) volume 13, Article number: 1860. <https://doi.org/10.1038/s41598-023-28329-1>
322. Zarkesh M, Safarian M, Asghari G, Daneshafrooz A, Yuzbashian E, **Hedayati M**, Mirmiran P, Khalaj A. Is Habitual Dietary Intake of Fats Associated with Apelin Gene Expression in Visceral and Subcutaneous Adipose Tissues and Its Serum Levels in Obese Adults? Public Health Genomics 2023;26:16–23. <https://doi.org/10.1159/000526961>
321. Eskandari F, Salimi M, Binayi F, Abdollahifar MA, Eftekhary M, **Hedayati M**, Ghanbarian H., Zardooz H. Investigating the Effects of Maternal Separation on Hypothalamic-PituitaryAdrenal Axis and Glucose Homeostasis under Chronic Social Defeat Stress in Young

Adult Male Rat Offspring. *Neuroendocrinology* 2023; 113:361–379.
<https://doi.org/10.1159/000526989>

320. Moazzam-Jazi M, Najd-Hassan-Bonab L, Masjoudi S, Tohidi M, **Hedayati M**, Azizi F, Daneshpour MS. Risk of type 2 diabetes and KCNJ11 gene polymorphisms: a nested case–control study and meta-analysis. *Scientific Reports*. (2022) volume 12, Article number: 20709. <https://doi.org/10.1038/s41598-022-24931-x>
319. Daneshpour MS, Akbarzadeh M, Lanjanian H, ..., **Hedayati M**, Azizi F. Cohort profile update: Tehran Cardiometabolic Genetic Study, a path toward precision medicine. *European Journal of Epidemiology*. November 29th, 2022. DOI: <https://doi.org/10.21203/rs.3.rs-2293709/v1>
318. Izadi MS, Eskandari F, Binayi F, Salimi M, Rashidi FS, **Hedayati M**, et al. Oxidative and endoplasmic reticulum stress develop adverse metabolic effects due to the high-fat high-fructose diet consumption from birth to young adulthood. *Life Sciences* .15 November 2022, . Volume 309. 120924
317. Heydarzadeh SH, Kheradmand Kia S, Boroomand S, **Hedayati M**. Recent developments in cell shipping methods. *Biotechnology and Bioengineering* .27 July 2022. 119 (11). P: 2985-3006. <https://doi.org/10.1002/bit.28197>
316. Masoudi M, Saghebjo M, Kazemi T, **Hedayati M**. The Effect of a Gym- and Home-based Training on Plasma TXNIP Level, Insulin Sensitivity, and Lipid Profile in Hypertensive Men: A Randomized Controlled Trial. *Middle East J Rehabil Health Stud*. 2022;9(4):e129041. doi: 10.5812/mejrh-129041.
315. Niknam A, Ramezani Tehrani F, Behboudi-Gandevani S, Rahmati M, **Hedayati M**, et al. Umbilical cord blood concentration of connecting peptide (C-peptide) and pregnancy outcomes. *BMC Pregnancy and Childbirth*. (2022)volume 22, Article number: 764. <https://doi.org/10.1186/s12884-022-05081-4>

314. Zarkesh M, Arab N, Abooshahab R, Heydarzadeh SH, Sheikholeslami S, Nozhat Z, Salehi Jahromi M, Fanaei SA, **Hedayati M**. CpG island status as an epigenetic alteration for NIS promoter in thyroid neoplasms; a cross-sectional study with a systematic review. *Cancer Cell International*. (2022) volume 22, Article number: 310. <https://doi.org/10.1186/s12935-022-02720-w>
313. Yuzbashian E, C de Campos Zani S, Zarkash M, Asghari G, **Hedayati M**, Khalaj A, B Chan C. Elevated miR-143 and miR-34a gene expression in human visceral adipose tissue are associated with insulin resistance in non-diabetic adults: a cross-sectional study. *Eating and Weight Disorders - Studies on Anorexia, Bulimia and Obesity*. (2022) volume 27, pages 3419–3428 <https://doi.org/10.1007/s40519-022-01476-6>
312. Zarkesh M, Arab N, Heydarzadeh SH, Nozhat Z, Abooshahab R, Salehi Jahromi M, Fanaei SA, **Hedayati M**. TIMP3 Gene Upstream CpG Island Methylation is Associated with BRAF V600E Mutation in Thyroid Neoplasms. September 27th, 2022. DOI: <https://doi.org/10.21203/rs.3.rs-2028260/v1>
311. Salimi M, Eskandari F, Khodagholi F, Abdollahifar MA, **Hedayati M**, Zardooz H, Keyhanmanesh R. Correction: Perinatal stress exposure induced oxidative stress, metabolism disorder, and reduced GLUT-2 in adult offspring of rats. *Hormones*. (2022). volume 21, pages 751–757. <https://doi.org/10.1007/s42000-022-00383-w>
310. Ebrahimof S, Angoorani P, Shab-Bidar S, Abedidni S, Jahangir F, and **Hedayati M**. The interactive effect of vitamin D3 supplementation and vitamin D receptor polymorphisms on weight and body composition in overweight women with hypovitaminosis D: a randomized, double-blind, placebo-controlled clinical trial. *Canadian Journal of Physiology and Pharmacology*. August 2022. <https://doi.org/10.1139/cjpp-2022-0192>
309. Karimzadeh L, Sohrab G, **Hedayati M**, Ebrahimof S, Emami G, Razavion T. Effects of concentrated beetroot juice consumption on glycemic control, blood pressure, and lipid profile in type 2 diabetes patients: randomized clinical trial study. *Irish Journal of Medical Science* (1971 -). July 2022. <https://doi.org/10.1007/s11845-022-03090-y>

308. Salimi M, Eskandari F, Binayi F, Eliassi A, Ghanbarian H, **Hedayati M**, et al. Maternal stress induced endoplasmic reticulum stress and impaired pancreatic islets' insulin secretion via glucocorticoid receptor upregulation in adult male rat offspring. *Scientific Reports*. (2022) 12:12552 | <https://doi.org/10.1038/s41598-022-16621-5>
307. Heydarzadeh SH, Moshtaghi AA, Daneshpour MS, **Hedayati M**. Correction to: Regulators of glucose uptake in thyroid cancer cell lines. *Cell Communication and Signaling* (2022) 20:11. <https://doi.org/10.1186/s12964-022-00826-2>
306. Abooshahab R, Ardalani H, Zarkesh M, Hooshmand K, Bakhshi A, Dass CD, **Hedayati M**. Metabolomics—A Tool to Find Metabolism of Endocrine Cancer. *Metabolites* 2022, 12, 1154. <https://doi.org/10.3390/metabo12111154>
305. Zarkesh M, Nozhat Z, Akbarzadeh M, Daneshpour MS, Mahmoodi B, Asghari G, **Hedayati M**, et al. Physical Activity and Exercise Promote Peroxisome Proliferator-Activated Receptor Gamma Expression in Adipose Tissues of Obese Adults. *Iran J Public Health*, Nov 2022, Vol. 51, No.11, pp.2619-2628. DOI:10.18502/ijph.v51i11.11181
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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
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