

Prof. Seyed Massoud Houshmand

**PERSONAL INFORMATION:**

**Name:** Seyed Massoud Houshmand

**Date of birth:** 1962-02-22

**Nationality:** Iranian / Swedish

**Present Position:** Head of the Genetic Diagnostic Lab. and Faculty Member of NIGEB

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**EDUCATION:**

**1992- 1999**: Ph.D, in Medical Molecular Genetic; Gothenburg University, Gothenburg; Sweden

**1990- 1992**: MSc, in Molecular Genetic; Gothenburg University, Gothenburg; Sweden

**1988- 1990**: BSc, in Medical Laboratory; Gothenburg University, Gothenburg; Sweden

**EMPLOYMENT (Present & previous positions):**

**2014- 2019:** Head of the Houshmand Medical Molecular Genetic Lab, Tehran, Iran

**2007-2014:** Head of the Genetic Diagnostic Lab, Special Medical Center, Tehran, Iran

**2005-2007:** Head of the Houshmand Medical Molecular Genetic Lab, Tehran, Iran

**1999-2005:** Head of the Genetic Diagnostic department; NIGEB, Tehran, Iran

**2003-2004:** Head of the Genetic Diagnostic Department; London Hospital , Kuwait

**1992-1999:** Sahlgrenska University Hospital, Gothenburh, Sweden.

**1991-1992:** Botanic Institution, Genetic department, Gothenburg, Sweden.

**1990-1991:** Botanic Institution, Physiology department, Gothenburg, Sweden.

**1990-1990:** Radcliffe Infirmary Hospital, Oxford, England.

**1989-1989:** Biology department, Astra Hassle, Gothenburg, Sweden.

**ACTIVE RESEARCH PROJECTS:**

Mitochondrial Inheritance and Disease; and Rare Disorders

**INTERNATIONAL GRANTS:**

(2 Times) 25 thousand euro for organizing Workshop

**AWARDS / MEMBERSHIPS:**

1. Iranian Genetic Society
2. Iranian Biotechnology Society
3. Iranian Medical Genetic society
4. National Molecular Medicine network
5. Iranian Neurogenetic Society
6. European Society of Human Genetic
7. Winner of Best Iranian Researcher in Medical Genetic 2010
8. Winner of ISESCO prizes in Science & Technology 2014
9. Winner of Best Iranian Researcher 2015

**WORKSHOPS and SEMINAR ORGANIZED:**

1. Advanced molecular genetic diagnosis in Iran (National, 2-7 Sep 2001)
2. Second Regional workshop application of advanced molecular methods for the diagnosis of human genetic disease. (International, 4-9 May 2002)
3. Application of Advanced Molecular Methods for Diagnosis of Human Genetic Disease (International 13-17 Sep 2004)
4. 3rd International workshop on  Application of Advanced Molecular Methods for Diagnosis of Human Genetic Disease (International 3-7 Dec 2005)
5. 4th International workshop on  Application of Advanced Molecular Methods for Diagnosis of Human Genetic Disease (International 18-22 Sep 2006)
6. 5th International workshop on  Application of Advanced Molecular Methods for Diagnosis of Human Genetic Disease (International 7-9 March 2007)
7. Neuromuscular Disease (International 24-28 Nov 2007)
8. 6th International workshop on  Application of Advanced Molecular Methods for Diagnosis of Human Genetic Disease (International 13-16 May 2008)
9. 7th International workshop on  Application of Advanced Molecular Methods for Diagnosis of Metabolic Disease (International 3-6 Sep 2011)
10. Iranian summer school of myology (International 4-8 July 2012)
11. Diagnosis of Metabolic Disease (28 Feb-2March 2013)
12. The First International Congress of Iranian Personalized Medicine (25-27 Feb 2017)
13. The Second International Congress of Iranian Personalized Medicine (13-15 Jan 2018)
14. Clinical Genomics and NGS (29 Ape.- 4 May 2018)
15. The Third International Congress of Iranian Personalized Medicine (15-17 Feb 2019)

**Seminar Organizer:**

1. Human Genome Diversity in Islamic Countries (International, 9-11 May 2002)
2. Genetics in Multifactorial Disorders (National 10-11 Feb. 2011; NourDanesh University)
3. Genetics in Immunodeficiency (National 10-11 March. 2011; NourDanesh University)
4. Genetics in Neuromuscular (National 26-27 May. 2011; NourDanesh University)
5. Diagnosis of Metabolic Disorders (National 21-22 Feb; NourDanesh University)
6. New in Immunogenetics (National 28-29 Feb, 2012: Special Medical Center)
7. 12th Application of Advanced Genetic Diagnostic workshops (26 feb – 2 Mar 2014)
8. Clinical Genomics and NGS European School of Genetic Medicine at the remote training center NIGEB, (29 Apr-4 May 2018)

**Workshop’s attendance:**

1. Windows to the Zygote 2000: UNESCO-ICRO International Training Course (Praq, 2000).
2. First International Human Genome Diversity Workshop (Islamabad, Pakistan, 2000)
3. Practical Training Course on “Application of Molecular Diagnostics on Human Disease, Prevention & Treatment” Lecturer (ICGEB) (6-14 April 2009) Damascus, Syria.
4. Practical Training Course on “Application of human Y-chromosome and mtDNA in forensic and anthropological investigation” Lecturer (ICGEB) (4-8 Nov 2012) Basra, Iraq.
5. International Winter School Course (9-13 Jan 2016)
6. Biotechnology Past Present and future Knowledge University Erbil Iraq. (28-29 Agust 2019)
7. International Medical Genetic workshop ICCRAM Thisk University Erbil Iraq (18-20 Sep 2019)

**Seminar’s attendance:**

**Euromit 5 2001** Venice, Italy,   
1 9 - 23 Sep

**ASHG 2002** Baltimore, MD 15-19 Oct

**ASMRM 2003** Seol, Korea 12-16 Feb

**SSIEM 2006** Hamburg, Germany, 4 - 7 Sept

**AD/PD 2007** Salzburg, Austeria 4-18 Mar

**ESHG 2007** Nice, France 16 – 19 Jun

**ESHG 2008** Barcelona, Spain May 31 - Jun 3,

**ESHG 2009** Vienna, Austria 23-26, May

**SIMD 2009** Sandiago, USA 3-6 Sep

**ESHG 2010** Gothenburg, Sweden 12 - 15, Jun

**ESHG 2011** Amsterdam, Netherland 28 - 31 May

**Euromit 8 2011** Zaragoza, Spain 20-23 Jun

**ASHG 2011** Montreal, Canada (ICHG) 11-15 Oct

**Genzyme 2011** Duha, Qatar 12-13 Dec

**NPC 2012** Athen, Grecce 24-26 Mar

**4th KGC 2012** Kuwait, Kuwait 16-18 Apr

**Genzyme 2012** Dubai, Emerate 3-4 Oct

**ICGEB 2012** Basra, Iraq 4-8 Nov

**NPC 2013** Wien, Austria 15-17 Mar

**2ed GCMO 2014** Mascot, Oman 9-11 Mar

**5th KGC 2014** Kuwait, Kuwait 5-7 May

**NPC 2014** Frankfort, Germany 16-18 March

**ISESCO 2014** Rabat, Morocco 17-18 Dec

**NPC 2016** Budapest, Hungry 16-18 March

**ESHG 2017** Copenhagen, Denmark 27-31 May

**INDOIRAN 2017** Delhi, India 9-11 Agu

**Molecular MED 2018** Dubai, Emirate 27-28 Agu

**7th KMGC 2019** Kuwait, Kuwait 12-14 Feb

**STU 2019**` Basra, Iraq 28 Apr

**Biotech Iraq 2019** Baghdad, Iraq 29-30 Apr

**PUBLICATIONS Massoud Houshmand**

**2019 (IF:10.371)**

1) [Karami F](https://www.ncbi.nlm.nih.gov/pubmed/?term=Karami%20F%5BAuthor%5D&cauthor=true&cauthor_uid=30507093), [Salahshourifar I](https://www.ncbi.nlm.nih.gov/pubmed/?term=Salahshourifar%20I%5BAuthor%5D&cauthor=true&cauthor_uid=30507093), **Houshmand M**. The Study of rs693 and rs515135 in APOB in People with Familial Hypercholestrolemia. [Cell J.](https://www.ncbi.nlm.nih.gov/pubmed/30507093) 2019 Apr;21(1):86-91. (IF: 1.339)

2) Mozafarizadeh M, Mohammadi M, Sadeghi S, Hadizadeh M, Talebzade T, **Houshmand M**. [Evaluation of *FTO* rs9939609 and *MC4R* rs17782313 Polymorphisms as Prognostic Biomarkers of Obesity: A Population-based Cross-sectional Study.](https://www.ncbi.nlm.nih.gov/pubmed/30671185) Oman Med J. 2019 Jan;34(1):56-62. doi: 10.5001/omj.2019.09. (IF: 0.441)

3) Shafei N, Hakhamaneshi MS, **Houshmand M**, Gerayeshnejad S, Fathi F, Sharifzadeh S. Diagnostic Value of Non-Invasive Prenatal Screening of Β-Thalassemia by Cell Free Fetal DNA and Fetal NRBC. Curr Mol Med. 2019 Feb 26. doi: 10.2174/1566524019666190226124135. (IF: 2.254)

4) Parvizi Omran S, **Houshmand M**, Dominic D, Farjami Z, Karimzadeh P. [No Hot Spot Mutations *CHRNE* c.1327 delG, *CHAT* c.914T>C, and *RAPSN* c.264C>A in Iranian Patients with Congenital Myasthenic Syndrome.](https://www.ncbi.nlm.nih.gov/pubmed/31037086) Iran J Child Neurol.  **2019** Spring;13(2):135-143

5) Tajik S, Badalzadeh M, Fazlollahi MR, **Houshmand M**, Bazargan N, Movahedi M, Mahlouji Rad M, Mahdaviani SA, Mamishi S, Khotaei GT, Mansouri D, Zandieh F, Pourpak Z. [Genetic and molecular findings of 38 Iranian patients with chronic .granulomatous disease caused by p47-phox defect.](https://www.ncbi.nlm.nih.gov/pubmed/30963593) Scand J Immunol. 2019 Apr 8:e12767. doi: 10.1111/sji.12767 (IF:2.314)

6) [Mahboobeh Asadiyun,](https://www.sciencedirect.com/science/article/pii/S2214540019300222" \l "%21) [Najmeh Ahangari,](https://www.sciencedirect.com/science/article/pii/S2214540019300222" \l "%21) [Mehrdad Eftekhar Ardebili,](https://www.sciencedirect.com/science/article/pii/S2214540019300222" \l "%21) [Shiva Irani](https://www.sciencedirect.com/science/article/pii/S2214540019300222" \l "%21), [**Massoud Houshmand**](https://www.sciencedirect.com/science/article/pii/S2214540019300222#%21)DISC1 4 bp deletion in association with schizophrenic patients [Meta Gene](https://www.sciencedirect.com/science/journal/22145400) [Volume 20](https://www.sciencedirect.com/science/journal/22145400/20/supp/C), June 2019, 100563 (IF:0.66)

7) Donya Altafi, Soha Sadeghi, Hamed Hojatian, Maryam Torabi Afra, Safoura PakizehKar, Mojtaba Gorji, **Massoud Houshmand**. Mitochondrial Polymorphisms, in The D-Loop Area, Are Associated with Brain Tumors Cell Journal(Yakhteh), Vol 21, No 3, October-December (Autumn) 2019, Pages: 350-356 (IF: 2.363)

8) Falah M, **Houshmand M**, Balali M, Asghari A, Bagher Z, Alizadeh R, Farhadi M. Role of *GJB2* and *GJB6* in Iranian Nonsyndromic Hearing Impairment: From Molecular Analysis to Literature Reviews. Fetal Pediatr Pathol. 2019 Jun 19:1-12. doi: 10.1080/15513815.2019.1627625. [Epub ahead of print]

PMID:31215297

**2018 (IF:12.292)**

1) Dehbozorgi M, Kamalidehghan B, Hosseini I, Dehghanfard Z, Sangtarash MH, Firoozi M, Ahmadipour F, Meng GY, **Houshmand M**.[Prevalence of the CYP2C19\*2 (681 G>A), \*3 (636 G>A) and \*17 (‑806 C>T) alleles among an Iranian population of different ethnicities.](https://www.ncbi.nlm.nih.gov/pubmed/29328413) Mol Med Rep. 2018 Jan 5. (IF:1.554)

2) Zeynalzadeh M, Tafazoli A, Aarabi A, Moghaddassian M, Ashrafzadeh F, **Houshmand M**, Taghehchian N, Abbaszadegan MR. [Four novel mutations of the BCKDHA, BCKDHB and DBT genes in Iranian patients with maple syrup urine disease.](https://www.ncbi.nlm.nih.gov/pubmed/29306928) J Pediatr Endocrinol Metab. 2018 Jan 26;31(2):205-212. (IF:1.233)

3) Ataei M, Akbarian F, Talebi MA, Dolati P, Mobaraki M, Faraji A, **Houshmand M**. [Analysis of partial AZFc (gr/gr, b1/b3, and b2/b3) deletions in Iranian oligozoospermia candidates for intracytoplasmic sperm injection (ICSI)](https://www.ncbi.nlm.nih.gov/pubmed/29714436). Turk J Med Sci. 2018 Apr 30;48(2):251-256. (IF:0.771)

4) Bahreini F, **Houshmand M**, Modarressi MH, Akrami SM. Mitochondrial Variants in Pompe Disease: A Comparison between Classic and Non-Classic Forms. Cell J. 2018 Oct;20(3):333-339 (IF: 1.339)

5) Nourizadeh M, Shakerian L, Borte S, Fazlollahi M, Badalzadeh M, **Houshmand M**, Alizadeh Z, Dalili H, Rashidi-Nezhad A, Kazemnejad A, Moin M, Hammarström L, Pourpak Z. Newborn screening using TREC/KREC assay for severe T and B cell lymphopenia in Iran. Scand J Immunol. 2018 Jun 26:e12699. doi: 10.1111/sji.12699. (IF: 2.314)

6) Masserrat A, Sharifpanah F, Akbari L, Tonekaboni SH, Karimzadeh P, Asharafi MR, Mazouei S, Sauer H, **Houshmand M**. [Mitochondrial G8292A and C8794T mutations in patients with Niemann-Pick disease type C.](https://www.ncbi.nlm.nih.gov/pubmed/29930807) Biomed Rep. 2018 Jul;9(1):65-73. doi: 10.3892/br.2018.1095

7) Golnoosh Taghiabadi , Tayebe Talebzade, Donya Altafi, Iman Alsadat Hosseini, Hamed Hojatiyan, Morteza Taghizadeh, **Massoud Houshmand**, Soha Sadeghi.

Identification of Single Nucleotide Polymorphisms as Markers of Genetic Susceptibility for Alopecia Areata Disease Risk. J. Inf. Mol. Biol. 6(2): 28-35 (IF: 0.263)

8) Hossein Soltanzadeh, Leyla Acik, Mustafa Türk, **Massoud Houshmand**, Gholamreza Shahsavari. Antimicrobial, antioxidant, cytotoxic and apoptotic activities of Satureja khuzestanica. (2018) Vol 29, No 3: 264-270

9) Ali Dezhgir, Tayebe Talebzadeh, Iman Alsadat Hosseini, Donya Altafi, Hamed Hojatian, Rashed Mehrfard, Sahel Towfigh Rafiei, Marjan Moradi Fard, Zeinab Shabani, Morteza Taghizadeh, **Massoud Houshmand**, Soudeh Soleymani Mashhadi, Navid Rahimian, Arvin Haghighatfard and Soha Sadeghi. The prevalence of polymorphisms of thiopurine s-methyltransferase gene In Iranian alopecia areata patients. *International Research Journal of Medicine and Medical Sciences,* Vol. 6(3), pp. 67-78, August 2018

10) [Alizadeh Z](https://www.ncbi.nlm.nih.gov/pubmed/?term=Alizadeh%20Z%5BAuthor%5D&cauthor=true&cauthor_uid=30081731), [Mazinani M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Mazinani%20M%5BAuthor%5D&cauthor=true&cauthor_uid=30081731), [**Houshmand M**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Houshmand%20M%5BAuthor%5D&cauthor=true&cauthor_uid=30081731), [Shakerian L](https://www.ncbi.nlm.nih.gov/pubmed/?term=Shakerian%20L%5BAuthor%5D&cauthor=true&cauthor_uid=30081731), [Nourizadeh M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Nourizadeh%20M%5BAuthor%5D&cauthor=true&cauthor_uid=30081731), [Pourpak Z](https://www.ncbi.nlm.nih.gov/pubmed/?term=Pourpak%20Z%5BAuthor%5D&cauthor=true&cauthor_uid=30081731), [Fazlollahi MR](https://www.ncbi.nlm.nih.gov/pubmed/?term=Fazlollahi%20MR%5BAuthor%5D&cauthor=true&cauthor_uid=30081731)Genetic Analysis of Patients with Two Different Types of Hyper IgM Syndrome. Immunol Invest. 2018 Aug 6:1-9. doi: 10.1080/08820139.2018.1493052 (IF:1.824)

11) Ahani N, Sangtarash MH, **Houshmand M**, Eskandani MA. [Genipin induces cell death via intrinsic apoptosis pathways in human glioblastoma cells.](https://www.ncbi.nlm.nih.gov/pubmed/30160798) J Cell Biochem. 2018 Aug 30. doi: 10.1002/jcb.27512. (IF:2.959)

12) , **Houshmand M,** Sadeghi S, Altafi D, Aliqanbari M, Hojatian H. Mitochondrial ATP 6,8 with brain tumours in patients compared to adjacent normal brain cells. J. Inf. Mol. Biol. 6(2): 45-50 (IF:0.365)

13) M Hosseini, **M Houshmand**, S Froozan. [Association of FGFR2 and TOX3 Genetic Variants With the Risk of Breast Cancer in Iranian Women](javascript:void(0)). Archives of Breast Cancer, 2018; Vol. 5, No. 3: 118-121

14) Zohre Pourkarami, M Hosein Sangtarash, Narges Jafarzadeh, Zohre Poursina, Azra Izanloo, **Masoud Houshmand**. [Genetic polymorphism of CYP2D6\* 41 in different ethnicities of Iranian population](javascript:void(0)) Gazzetta Medica Italiana Archivio per le Scienze Mediche 177 (4), 158-164 2018

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**2017(IF:15.286)**

1) Parvaneh Karimzadeh, Simin Khayatzadeh Kakhki, Shaghayegh Sadat Esmail Nejad, **Massoud Houshmand**, Mohammad Ghofrani. [Ataxia Oculomotor Apraxia Type 1 in the Siblings of a Family: A Novel Mutation](http://scholar.google.com/scholar?cluster=9033835764531509848&hl=en&oi=scholarr). IRANIAN JOURNAL OF CHILD NEUROLOGY (2017) 11: 78-81

2) Sahakyan H, Hooshiar Kashani B, Tamang R, Kushniarevich A, Francis A, Costa MD, Pathak AK, Khachatryan Z, Sharma I, van Oven M, Parik J, Hovhannisyan H, Metspalu E, Pennarun E, Karmin M, Tamm E, Tambets K, Bahmanimehr A, Reisberg T, Reidla M, Achilli A, Olivieri A, Gandini F, Perego UA, Al-Zahery N, **Houshmand M**, Sanati MH, Soares P, Rai E, Šarac J, Šarić T, Sharma V, Pereira L, Fernandes V, Černý V, Farjadian S, Singh DP, Azakli H, Üstek D, Ekomasova Trofimova N, Kutuev I, Litvinov S, Bermisheva M, Khusnutdinova EK, Rai N, Singh M, Singh VK, Reddy AG, Tolk HV, Cvjetan S, Lauc LB, Rudan P, Michalodimitrakis EN, Anagnou NP, Pappa KI, Golubenko MV, Orekhov V, Borinskaya SA, Kaldma K, Schauer MA, Simionescu M, Gusar V, Grechanina E, Govindaraj P, Voevoda M, Damba L, Sharma S, Singh L, Semino O, Behar DM, Yepiskoposyan L, Richards MB, Metspalu M, Kivisild T, Thangaraj K, Endicott P, Chaubey G, Torroni A, Villems R. [Origin and spread of human mitochondrial DNA haplogroup U7.](https://www.ncbi.nlm.nih.gov/pubmed/28387361) Sci Rep. 2017 Apr 7;7:46044. (IF: 5.578)

3) Fazlollahi MR, Pourpak Z, Hamidieh AA, Movahedi M, **Houshmand M**, Badalzadeh M, Nourizadeh M, Mahloujirad M, Arshi S, Nabavi AM, Gharagozlou M, Khayatzadeh A, Dabbaghzade A, Atarod L, Zandieh F, Sadeghi Shabestary M, Mesdaghi M, Mohammadzadeh I, Mahdaviani SA, Eslamian MH, Pesaran F, Bahraminia E, Abolnezhadian F, Arij Z, Moin M. Clinical, Laboratory and Molecular Findings of 63 Patients with Severe Combined Immunodeficiency: A Decade´s Experience. J Investig Allergol Clin Immunol. 2017 (IF: 2.131)

4) Akbaroghli S, Balali M, Kamalidehghan B, Saber S, Aryani O, Meng GY, **Houshmand M.** Identification of a new mutation in an Iranian family with hereditary multiple osteochondromas. Ther Clin Risk Manag. 2016 Dec 20;13:15-19. doi: 10.2147/TCRM.S111717. eCollection 2017(IF:2.2)

5) Masoumeh Dehghan Manshadi, Behnam Kamalidehghan, Omid Aryani, Elham Khalili, Sepideh Dadgar, Mahdi Tondar, Fatemeh Ahmadipour, Goh Yong Meng, **Massoud Houshmand.**  Four novel *ARSA* gene mutations with pathogenic impacts on metachromatic leukodystrophy: a bioinformatics approach to predict pathogenic mutations (2017 ) Ther Clin Risk Manag 2017:13 725–731(IF:2.2)

6) Khatami M, Heidari MM, Hadadzadeh M, Scheiber-Mojdehkar B, Bitaraf Sani M, **Houshmand M**. Simultaneous Genotyping of the rs4762 and rs699 Polymorphisms in Angiotensinogen Gene and Correlation with Iranian CAD Patients with Novel Hexa-primer ARMS-PCR. Iran J Public Health. 2017 Jun; 46(6):811-819. (IF: 0.768)

7) [Vaseghi H](https://www.ncbi.nlm.nih.gov/pubmed/?term=Vaseghi%20H%5BAuthor%5D&cauthor=true&cauthor_uid=28866865), [**Houshmand M**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Houshmand%20M%5BAuthor%5D&cauthor=true&cauthor_uid=28866865), [Jadali Z](https://www.ncbi.nlm.nih.gov/pubmed/?term=Jadali%20Z%5BAuthor%5D&cauthor=true&cauthor_uid=28866865). Increased levels of mitochondrial DNA copy number in patients with vitiligo. [Clin Exp Dermatol.](https://www.ncbi.nlm.nih.gov/pubmed/28866865) 2017 Sep 3. doi: 10.1111/ced.13185. (IF: 1.589)

8) **Houshmand M**, Abbaszadegan MR, Kerachian MA. [Assessment of Bone Morphogenetic Protein 3 Methylation in Iranian Patients with Colorectal Cancer.](https://www.ncbi.nlm.nih.gov/pubmed/28894518) Middle East J Dig Dis. **2017** Jul;9(3):158-163. doi: 10.15171/mejdd.**2017**.67 (IF: 0.82)

9) Pirzadeh Z, **Houshmand M**, Nasiri J, Mollamohammadi M, Sedighi M, Tonekaboni SH.[Glutaric AciduriaType 1: Clinical and Molecular Study in Iranian Patients, 3 Novel Mutations.](https://www.ncbi.nlm.nih.gov/pubmed/29201125) Iran J Child Neurol. 2017 Fall;11(4):58-65.

10) Badalzadeh M, Tajik S, Fazlollahi MR, **Houshmand M**, Fattahi F, Alizadeh Z, Movahedi M, Adab Z, Khotaei GT, Hamidieh AA, Heidarnazhad H, Pourpak Z.[Three novel mutations in CYBA among 22 Iranians with Chronic granulomatous disease.](https://www.ncbi.nlm.nih.gov/pubmed/28941186) Int J Immunogenet. 2017 Dec; 44(6):314-321. doi: 10.1111/iji.12336. Epub 2017 Sep 20.

11) **Houshmand M**, Abbaszadegan MR, Kerachian MA.[Assessment of Bone Morphogenetic Protein 3 Methylation in Iranian Patients with Colorectal Cancer.](https://www.ncbi.nlm.nih.gov/pubmed/28894518) Middle East J Dig Dis. 2017 Jul;9(3):158-163. doi: 10.15171/mejdd.2017.67.

12) Falah M, Farhadi M, Kamrava SK, Mahmoudian S, Daneshi A, Balali M, Asghari A, **Houshmand M**.[Association of genetic variations in the mitochondrial DNA control region with presbycusis.](https://www.ncbi.nlm.nih.gov/pubmed/28424544) Clin Interv Aging. 2017 Mar 3;12:459-465.

# 13) Atena Sheibaninia, Parisa Nejatkhah Manavi & Massoud Houshmand, Different on the abundance of *Pampus argenteus* in Persian Gulf exceeding in variety comparing to Gulf of Oman Mitochondrial DNA,part B, Pages 676-678: 26 Sep 2017

**2016 (IF:42.939)**

1) Maryam Balali, Behnam Kamalidehghan, Mohammad Farhadi, Fatemeh Ahmadipour, Mahmoud Dehghani Ashkezari, Mohsen Rezaei Hemami, Hossein Arabzadeh, Masoumeh Falah, Goh Yong Meng, **Massoud Houshmand**. Association of nuclear and mitochondrial genes with audiological examinations in Iranian patients with nonaminoglycoside antibiotics-induced hearing loss (2016) Therapeutics and Clinical Risk Management 2016:12 117–128 (IF: 1.456)

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