

Curriculum Vitae

2025

Personal Information

Full Name: Hosein Effatpanah

Gender: Male

Date of Birth: 1972/7/6

Place of Birth: Iran

Nationality: Iranian

Address: Asadabad, Hamedan, Iran

phone Number: 09122167022

Email: hoseineffatpanah@umsha.ac.ir



Education

- 2010-2014 **.Ph.D, Molecular Medicine**, Expression analysis of mir-21 and mir-221 in cancerous tissues from Iranian patients with gastric cancer. Department of genetic & *Molecular Medicine*, School of medicine. Hamedan University of Medical Sciences,, Iran
- 2006-2009 **.M.Sc. Microbiology**, Antifungal effect of Zataria multiflora: an in vitro evaluation. Department of Microbiology. Islamic Azad University

- 1391-1395. **Bachelor** of Science in Microbiology, Tehran University

➤ Current Position

- Assistant professor in molecular medicine, Asadabad University of Medical Sciences Full-Time, 2013-202^۲

Honors & Awards

- **Top Educational Student** at Hamedan University of Medical Sciences 2010, Hamedan, Iran.
- Researcher of the Year Award for 2020 at Asadabad School of Medical Sciences, Asadabad, Hamedan, Iran.

Executive Experience

1. Vice Dean for Academic Affairs, Research & Student Culture

- Faculty: Asadabad University of Medical Sciences
- Tenure: 2015-2018 & 2020-2022 (two consecutive terms)
- Key Achievements:
 - Enhanced educational quality through innovative programs
 - Expanded cultural initiatives supporting student activities
 - Developed academic and research policies and regulations
 - Reinstated the Bachelor of Nursing degree program

2. Director of Food & Drug Administration

- Faculty: Asadabad University of Medical Sciences
- Tenure: 2018-2020
- Key Achievements:
 - Established dedicated Food & Drug Administration headquarters
 - Launched central pharmaceutical storage facility
 - Commissioned specialized food testing laboratory
 - Implemented regulatory policies meeting national standards

3. Director of Education Office

- Faculty: Asadabad University of Medical Sciences
- Tenure: 2014-2015

4. Head of University Volunteer Service Corps

- Faculty: Asadabad University of Medical Sciences
- Tenure: 2020-2022

5- Key Achievements:

- Organized monthly outreach programs in underserved communities

- Coordinated collaboration between students, faculty and NGOs
- Delivered healthcare, education and infrastructure support to rural areas

Teaching Courses

- **Cellular & Molecular Biology** for radiology, and Medical laboratory sciences students.
(Hamedan School of Medicine, Hamedan, Iran)
- **Microbiology for public health students.**
(Asadabad School of Medical Sciences, Hamedan, Iran)
- **Microbiology for Nursing students.**
(Asadabad School of Medical Sciences, Hamedan, Iran)
- **parasitology for Nursing students.**
(Asadabad School of Medical Sciences, Hamedan, Iran)
- **biophysics for public health students.**
(Asadabad School of Medical Sciences, Hamedan, Iran)
- **Hereditary diseases and counseling for Nursing students.**
(Asadabad School of Medical Sciences, Hamedan, Iran)
- **Medical Genetic** for Midwifery students
(Asadabad School of Medical Sciences, Hamedan, Iran)
- **Genetic & Immunology** for Nursing students.
(Asadabad School of Medical Sciences, Hamedan, Iran)

Skills

- PCR, qPCR,
- Cell Culture and Flowcytometry
- Primer Design for PCR, Extraction of DNA and RNA, cDNA Synthesis
- principles of laboratory animal care
- Bioinformatics

Additional Skills

- Elementary Statistics
- Database Search Skills (PubMed, Scopus, Google Scholar, ScienceDirect, etc.)
- Reference Management Programs (Mendeley, Reference Manager and Endnote)
- Data Analysis Software (SPSS)

Publications

Academic Books:

Pre university Biology 2008

Cancer biochemistry from a molecular perspective ۲۰۲۲

تجارب و چالش های آموزش مجازی در دوران اپیدمی کووید ۱۹ در شهرستان اسد آباد کتابچه وزارت بهداشت و درمان و آموزش پزشکی
--الهه عزتی*، حسین عفت پناه، زینب مک وندی

Research Papers (Published):

- **Effatpanah H**, Yadegarazari R, Karami M, Majlesi A, Shabab N, Saidijam M. Expression Analysis of mir-21 and mir-221 in Cancerous Tissues from Iranian Patients with Gastric Cancer. *Iran Biomed J*. 2015;19(4):188-93. doi: 10.7508/ibj.2015.04.001. Epub 2015 Jul 26. PMID: 26209976; PMCID: PMC4649853.
- Effatpanah M, Rezaei M, Effatpanah **H**, **Effatpanah Z**, Varkaneh HK, Mousavi SM, Fatahi S, Rinaldi G, Hashemi R. Magnesium status and attention deficit hyperactivity disorder (ADHD): A meta-analysis. *Psychiatry Res*. 2019 Apr;274:228-234. doi: 10.1016/j.psychres.2019.02.043. Feb 19. PMID: 30807974.
- **EFFATPANA H**, Mohammad, et al. Hospital admission of exposure to air pollution in Ahvaz megacity during 2010–2013. *Clinical epidemiology and global health*, 2020, 8.2: 550-556.
- Jafarzadeh-Samani Z, Sohrabi S, Shirmohammadi K, **Effatpanah H**, Yadegarazari R, Saidijam M. Evaluation of miR-22 and miR-20a as diagnostic biomarkers for gastric cancer. *Chin Clin Oncol*. 2017 Apr;6(2):16. doi: 10.21037/cco.2017.03.01. PMID: 28482669.
- **HOSEIN, E.**, et al. Antifungal effect of Zataria multiflora: an in vitro evaluation. *Global Veterinaria*, 2010, 4.2: 140-143.
- Mahdavinezhad A, Yadegarazari R, Mousavi-Bahar SH, Poorolajal J, Jafari M, Amirzargar MA, **Effatpanah H**, Saidijam M. Evaluation of zinc finger E-box binding homeobox 1 and transforming growth factor-beta2 expression in bladder cancer tissue in comparison with healthy adjacent tissue. *Investig Clin Urol*. 2017 Mar;58(2):140-145. doi: 10.4111/icu.2017.58.2.140. Epub 2017 Feb 15. PMID: 28261684; PMCID: PMC5330373.
- **EFATPANA H**, Mohammad, et al. Evaluation of sleep quality among bus drivers. *Payesh (Health Monitor)*, 2012, 11.4: 485-490.

- **EFFATPANA H**, Mohammad, et al. The prevalence of nosocomial infection rates and needle sticks injuries at a teaching hospital, during 2013–2014. *Clinical Epidemiology and Global Health*, 2020, 8.3: 785-790.
- Shirmohammadi K, Sohrabi S, Jafarzadeh Samani Z, **Effatpanah H**, Yadegarazari R, Saidijam M. Evaluation of altered expression of *miR-9* and *miR-106a* as an early diagnostic approach in gastric cancer. *J Gastrointest Oncol*. 2018 Feb;9(1):46-51. doi: 10.21037/jgo.2017.11.04. PMID: 29564170; PMCID: PMC5848032.
- LEILA, S. Z., et al. Comparison of allergenic power *A. fumigatus*, *A. flavus* and *A. niger* fungi by using patients' sera with asthma. *Middle East Journal of Scientific Research*, 2010, 5.5: 350-354.
- Sarabandi S, **Effatpanah H**, Sereshki N, Samavarchi Tehrani S, Moradi-Sardareh H. 50-bp insertion/deletion polymorphism of the superoxide dismutase-1 is associated with bladder cancer risk in an Iranian population. *Nucleosides Nucleotides Nucleic Acids*. 2022;41(2):154-165. doi: 10.1080/15257770.2021.2014521. Epub 2021 Dec 13. PMID: 34903144.
- Nateghi S, **Effatpanah H**. An epidemic amphetamine problem: commentary on treatment of amphetamine abuse/use disorder. *Daru*. 2020 Jun;28(1):417-418. doi: 10.1007/s40199-019-00313-z. Epub 2019 Dec 16. PMID: 31845158; PMCID: PMC7214595.
- **EFFATPANA H**, **Hosein**, et al. Determine antibiotic resistance model and identify methicillin-resistant *Staphylococcus aureus* (MRSA) in clinical isolates. *Fresenius Environmental Bulletin*, 2018, 27.1: 622-626.
- **EFFATPANA H**, **Hosseini**, et al. Evaluation of miR-21 and miRNA-221 in gastric tumor and their correlation with RECK and CDKN1B expression. *Scientific Journal of Kurdistan University of Medical Sciences*, 2015, 20.3: 58-68.
- Sarvar DP, **Effatpanah H**, Akbarzadehlaleh P, Shamsasenjan K. Mesenchymal stromal cell-derived extracellular vesicles: novel approach in hematopoietic stem cell transplantation. *Stem Cell Res Ther*. 2022 May 16;13(1):202. doi: 10.1186/s13287-022-02875-3. PMID: 35578300; PMCID: PMC9109321.
- NATEGHI, Saeed; **EFFATPANA H**, **Hosein**. A Commentary on Opium Dependence and COVID-19 in the North of Iran. *Iranian Journal of Psychiatry and Behavioral Sciences*, 2020, 14.3.
- NATEGHI, Saeed; **EFFATPANA H**, **Hosein**. A Commentary on the Drug Addiction Treatment Market in Iran. *Iranian Journal of Psychiatry and Behavioral Sciences*, 2020, 14.3.
- **EFFATPANA H**, **Hosein**; NATEGHI, Saeed. Drug Addiction and Vitamin D Supplementation: How to Address a Health Concern in Methadone Treatment?. *Iranian Journal of Psychiatry and Behavioral Sciences*, 2020, 14.3.
- NATEGHI, Saeed; **EFFATPANA H**, **Hosein**. A Commentary on Subsidization of Drug Treatment Services in Iran: A New Approach. *Iranian Journal of Psychiatry and Behavioral Sciences*, 2020, 14.3.
- **EFFATPANA H**, **Hosein**, et al. Determination of association between the polymorphism in exon 3 of dopamine receptor gene type 4 with attention deficit-hyperactivity disorder. *Clinical Epidemiology and Global Health*, 2020, 8.1: 290-294.
- NATEGHI, Saeed; **EFFATPANA H**, **HOSEIN**. A Commentary on the Drug Addiction Treatment Market in Iran, Letter. 2020.
- **EFFATPANA H**, **HOSEIN**; NATEGHI, Saeed. Drug Addiction and Vitamin D Supplementation: How to Address a Health Concern in Methadone Treatment?, Letter. 2020.
- NATEGHI, Saeed; **EFFATPANA H**, **HOSEIN**. A Commentary on Subsidization of Drug Treatment Services in Iran: A New Approach, Letter. 2020.
- NATEGHI, Saeed; **EFFATPANA H**, **HOSEIN**. A Commentary on Opium Dependence and COVID-19 in the North of Iran, Letter. 2020.
- NATEGHI, Saeed; **EFFATPANA H**, **Hosein**. A Commentary on a Health Concern in Iran with an Emphasis on Theories. *Iranian Journal of Psychiatry and Behavioral Sciences*, 2019, 13.4.
- NATEGHI, Saeed; **EFFATPANA H**, **Hosein**. Auricular Acupuncture for Suicidal Ideation in Methadone Patients. *Iranian Journal of Psychiatry and Behavioral Sciences*, 2019, 13.4.

- NATEGHI, Saeed; **EFFATPANAH, Hosein**. An Epidemic Problem: A Commentary on Stimulant Use in Opioid Maintenance Treatment. *Iranian Journal of Psychiatry and Behavioral Sciences*, 2019, 13.4.
- NATEGHI, Saeed; **EFFATPANAH, Hosein**. A Commentary on a Health Concern in Iran with an Emphasis on Theories, Letter. 2019.
- NATEGHI, Saeed; **EFFATPANAH, HOSEIN**. An Epidemic Problem: A Commentary on Stimulant Use in Opioid Maintenance Treatment, Letter. 2019.
- NATEGHI, Saeed; **EFFATPANAH, HOSEIN**. Auricular Acupuncture for Suicidal Ideation in Methadone Patients, Letter. 2019.
- Sohrabi S, **Effatpanah H**, Shabab N, Saidijam M. Expression analysis of PTEN and CDKN1C/p57kip2 in cancerous tissues from Iranian patients with gastric cancer. *Eur J Oncol* [Internet]. 2017 Nov. 17 [cited 2022 Sep. 12];22(2):88-94.
- EINOLGHOZATI, MASTANEH, et al. Evaluation of CDH1&RUNX3 Expression in Cancerous and Normal Tissue of Patients With Gastric Cancer. *Avicenna Journal of Clinical Medicine*, 2017, 24.1: 11-19.

Conference Papers:

-  **Effatpanah H**, Antifungal effects of essential oils *Zataria multiflora*. The 11th Congress Worldwide germs Iranology and The first congress bacteriology Mediterranean region Eastern.(Langrod.2010)
-  **Effatpanah H**. Shirmohammadi K, Jafarzadeh Samani Z. Examination of the expression of miR-106a and miR-9 in tumor tissue gastric cancer. Congress Diseases digestive.(Tehran.2014)
-  **Effatpanah H**. Shirmohammadi K, Jafarzadeh Samani Z. Investigating the expression of miR-22 and miR-20a in Cernan tumor tissue Stomach. Congress Diseases digestive.(Tehran.2014)

Reaserch Plans:

- بررسی شیوع ژن مقاومت ۱ mcr - در اشریشیاکلای جدا شده از نمونه های بالینی از مراکز درمانی شهرستان اسدآباد در سال ۱۳۹۵
- تعیین شیوع باکتری استافیلوکوک اورئوس مقاوم به متی سیلین در بخشهای بستری بیمارستان حضرت امیرالمومنین اسدآباد
- تعیین میزان بیان PTEN,CDKN1C در نمونه بافت توموری بیماران مبتلا به سرطان معده و مقایسه آن با بافت حاشیه ای سالم
- تعیین میزان بیان , miRNA 106a و mirRNA 9 در نمونه توموری بیماران مبتلا به سرطان معده و مقایسه آن با بافت حاشیه ای جهت طراحی کیت تشخیصی
- تعیین میزان بیان miRNA22 و mirANA20a در نمونه توموری بیماران مبتلا به سرطان معده و مقایسه آن با بافت حاشیه ای و نمونه خونی جهت طراحی کیت تشخیصی

- بررسی عوامل موثر در مصرف قلیان براساس تئوری انگیزش محافظت در دوران شیوع کووید ۱۹ در شهر همدان
- بررسی ارتباط بین سلامت معنوی و استرس، اضطراب و افسردگی دانشجویان دانشکده علوم پزشکی اسدآباد
- بررسی الگوی مقاومت آنتی بیوتیکی عوامل باکتریایی جدا شده از بیماران مراجعه کننده به آزمایشگاه بیمارستان قائم (عج) شهرستان اسدآباد
- بررسی ارتباط وضعیت تغذیه ای زنان باردار با ریسک ابتلا به پیامدهای بارداری و شاخص های تن سنجی نوزادان در شهرستان اسدآباد: مطالعه کوهورت آینده نگر
- اثربخشی گرانول های Jinhua Qinggan (JHQG) برای درمان عفونت دستگاه تنفسی فوقانی: کارآزمایی بالینی
- پیش بینی کننده های تردید نسبت به تزریق واکسن کووید ۱۹ در عموم جمعیت شهر اسد آباد: کاربرد تئوری رفتار برنامه ریزی شده و الگوی اعتقاد بهداشتی
- مروری بر داروی ایورمکتین: کاندیدی برای بیماری Covid-19
- تجویز داخل وریدی عامل شلاته کننده روی CaNa2EDTA در بیماران کووید ۱۹: مطالعه بالینی
- بررسی علل ترخیص با مسئولیت شخصی علی رغم توصیه پزشک در بیماران مراجعه کننده به واحد اورژانس مرکز درمانی قائم (عج) شهرستان اسد آباد
- طراحی، اجرا و ارزشیابی فرآیند تلفیق آموزش تئوریک و مواجهه زودرس دانشجویان بهداشت عمومی با دوره کارآموزی: کاربردی از مدل Preceptor ship& preceptor

Training Courses

- The workshop of “**Ethics in Research** “, Hamedan University of Medical Sciences, 2014, Hamedan, Iran.
- The workshop of “**Research Ethics** “, Asadabad School of Medical Sciences, 30 April 2019, Asadabad, Hamedan, Iran.
- The workshop of “**Ethics in Education** “, Asadabad School of Medical Sciences, 1 November 2017, Asadabad, Hamedan, Iran.
- The workshop of “**Principles of PCR and RT-PCR** “, Hamedan University of Medical Sciences, 2013, Hamedan, Iran.
- The workshop of “**Medical Statistics Using SPSS**”, Hamedan University of Medical Sciences, 2011, Hamedan, Iran.
- The workshop of “**Primer Design for PCR**”, Hamedan University of Medical Sciences, 2011, Hamedan, Iran.

Abilities

- Communication Skills
- Presentation Skills
- Active Listening Skills

- Critical and Creative Thinking
- Team-Management Skills
- Problem-Solving Skills
- Highly Motivated

Research Interests

- Molecular Medicine.
- Cancer.
- Microbiology

Membership of Scientific Societies

- Member of Iranian Society for Molecular Medicine

Languages

Persian: Fluent

English: Upper Intermediate

References

- **Dr. masoud saidi jam**, Professor, Faculty of medical Sciences, Hamedan University of medical sciences, Hamedan , Iran, 09122167022, **masoudsaidijam** @yahoo.com
- **Dr. manoochehr karami**, Associate Professor, Faculty of medical Sciences, Hamedan University of medical sciences, Hamedan, Iran, 09122167022, **karami** @gmail.com