

## Curriculum Vitae

### PERSONAL INFORMATION

**Surname:** Alipanah      **First Name:** Hiva  
**Nationality:** Iranian  
**Date of birth:** 1987-12-16  
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### CURRENT STATUS

Assistant Professor at Fasa University of Medical Sciences, Fars, Iran (2021-present)

### RESEARCH INTERESTS (alphabetical order)

Cancer Biology  
Complementary Medicine  
Nonmedicinal  
Physiology  
Toxicology

### EDUCATION

**(2012-2016) – Ph. D** in Biology (physiology); Faculty of life sciences and biotechnology, Shahid Beheshti University, G.C., Tehran, Iran.

**Thesis Topic:** Evaluation of *Viola odorata* extract on apoptosis and angiogenesis of breast cancer in Balb/c mice (Defense date: March 8<sup>th</sup>, 2016)

Supervisor: Dr. Mohammad Reza Bigdeli

Advisor: Dr. Mohammad Ali Esmaeili

**(2010-2012) – M.Sc.** in Biology (physiology); Faculty of life sciences and biotechnology, Shahid Beheshti University, G.C., Tehran, Iran.

**Thesis Topic:** Effect of Growth Hormone and Morphine on Ghrelin Concentration in Ewes Treated with Glucocorticoid (Defense date: July 9<sup>th</sup>, 2012)

Supervisor: Dr. Homayoun Khazali

Advisor: Dr. Hasan Rokni, Dr. Vahid Azizi

**(2006-2010) – B.Sc.** in Biology; Tabriz University, Tabriz, Iran

### GENERAL SKILLS

❖ Self-Motivation

- ❖ Adaptability
- ❖ Responsible
- ❖ Adhere to ethical principles

### **TECHNICAL SKILLS**

- ❖ Experienced in; Animal cancer models, Western Blotting, Cell Culture
- ❖ Competent at; Real Time PCR, MCAO surgery, Stereotaxic surgery

### **SCIENTIFIC ACHIEVEMENTS (During Education)**

- ❖ **1th rank in Ph.D. of Animal physiology** in Faculty of life sciences and biotechnology, Shahid Beheshti University, G.C., Tehran, Iran.
- ❖ **1th rank in M.Sc. of Animal physiology** in Faculty of life sciences and biotechnology, Shahid Beheshti University, G.C., Tehran, Iran.
- ❖ **4th rank** in the national university entrance exam for **M.Sc. degree in Animal Physiology in entire Iran**. 2010; (Held by Iran's Ministry of Science, Research and technology).
- ❖ **7th rank** in the national university entrance exam for **Ph.D. degree in Animal Physiology in entire Iran**. 2012; (Held by Iran's Ministry of Science, Research and technology).
- ❖ Member of **Iranian Society for Cognitive Science and Technology** in SBU; Tehran; Iran (Membership No.: 81).

### **PUBLICATIONS**

1. Jokar J, Abdulabbas HT, **Alipanah H**, Ghasemian A, Ai J, Rahimian N, Mohammadisoleimani E, Najafipour S. Tissue engineering studies in male infertility disorder. *Human Fertility*. 2023 Oct 3:1-9.
2. Nejati R, Nematollahi A, Doraghi HK, Sayadi M, **Alipanah H\***. Probiotic Bacteria Alleviate Chlorpyrifos-Induced Rat Testicular and Renal Toxicity: A Possible Mechanism Based on Antioxidant and Anti-Inflammatory Activity. *Basic & Clinical Pharmacology & Toxicology*. 2023 Sep 21.
3. Hamidi SP, Koochi-Hosseiniabadi O, Khaksar S, Ghanbariasad A, Dehghanian AR, Dehghan A, Haddadi Z, Gorgin R, Farjam M, **Alipanah H\***. Evaluation of the topical gel and oral administration of Punica Granatum Var Pleniflora on oral mucositis induced by 5-Fluorouracil in golden hamsters. *BMC Complementary Medicine and Therapies*. 2023 Dec;23(1):1-9.
4. Osanloo M, **Alipanah H**, Farjam M, Taheri A, Zarenezhad E. Anticancer Activity of Chitosan Nanoparticles Containing Satureja khuzistanica Essential Oil, and Carvacrol against Human Melanoma and Breast Cancer. *Russian Journal of Bioorganic Chemistry*. 2023 May 11:1-8.

5. Yarian F, Yousefpoor Y, Hatami S, Zarenezhad E, Peisepar E, **Alipanah H**, Osanloo M. Comparison Effects of Alginate Nanoparticles Containing *Syzygium aromaticum* Essential Oil and Eugenol on Apoptotic Regulator Genes and Viability of A-375 and MCF-7 Cancer Cell Lines. *BioNanoScience*. 2023 May 4:1-9.
6. Kiani M, **Alipanah H**, Mazloomi SM, Nejati R, Nematollahi A, Sayadi M. Evidence for tissue-specific toxicity of malathion by biochemical biomarkers and histopathological index in two weeks-treated Wistar rats. *Physiology and Pharmacology*. 2023 Apr 10;27(1):64-71.
7. Ataollahi M, Akrami E, Kalani M, Zarei M, Chijan MR, Sedigh-Rahimabadi M, **Alipanah H**. Evaluation of anticoagulant and inflammatory effects of *Tanacetum parthenium* (L.) in a randomized controlled clinical trial. *Journal of Herbal Medicine*. 2022 Dec 1;36:100613.
8. **Alipanah H**, Abdollahi A, Firoozziyan S, Zarenezhad E, Jafari M, Osanloo M. Nanoemulsion and Nanogel Containing *Eucalyptus globulus* Essential Oil; Larvicidal Activity and Antibacterial Properties. *Interdisciplinary Perspectives on Infectious Diseases*. 2022 Aug 31;2022.
9. Karimifar K, **Alipanah H**, Solatani Hekmat A, Bigdeli MR. Attenuating NF- $\kappa$ B/VCAM-1 Expression in the Middle Cerebral Artery Occlusion Model by *Viola Odorata*: Protection Against Ischemia-Reperfusion Injury in Rats. *Basic and Clinical Neuroscience*. 2022 May 10;13(3):357-72.
10. Esmaeili F, Zahmatkeshan M, Yousefpoor Y, **Alipanah H**, Safari E, Osanloo M. Anti-inflammatory and anti-nociceptive effects of Cinnamon and Clove essential oils nanogels: an in vivo study. *BMC Complementary Medicine and Therapies*. 2022 Dec;22(1):1-0.
11. Osanloo M, Yousefpoor Y, **Alipanah H**, Ghanbariasad A, Jalilvand M, Amani A. In-vitro assessment of essential oils as anticancer therapeutic agents: A systematic literature review. *Jordan Journal of Pharmaceutical Sciences*. 2022 Jun 1;15(2):173-203.
12. Esmaeili F, Zahmatkeshan M, Yousefpoor Y, **Alipanah H**, Safari E, Osanloo M. Anti-inflammatory and anti-nociceptive effects of Cinnamon and Clove essential oils nanogels: an in vivo study. *BMC Complementary Medicine and Therapies*. 2022 Dec;22(1):1-0.
13. **Alipanah H**, Yarian F, Rasti F, Safari M, Hatami S, Osanloo M. Cytotoxic effects of chitosan nanoparticles containing *Zataria multiflora* essential oil against human breast and melanoma cells. *Beni-Suef University Journal of Basic and Applied Sciences*. 2022 Dec;11(1):1-9.

14. Khoshnevisan K, **Alipanah H**, Baharifar H, Ranjbar N, Osanloo M. Chitosan Nanoparticles Containing Cinnamomum verum J. Presl Essential Oil and Cinnamaldehyde: Preparation, Characterization and Anticancer Effects against Melanoma and Breast Cancer Cells. **2022**.
15. **Alipanah H**, Kabi Doraghi H, Sayadi M, Nematollahi A, Soltani Hekmat A, Nejati R. Subacute toxicity of chlorpyrifos on histopathological damages, antioxidant activity, and pro-inflammatory cytokines in the rat model. *Environmental Toxicology*. **2022** Jan 5.
16. **Alipanah H**, Rasti F, Zarenezhad E, Dehghan A, Sahebazar B, Osanloo M. Comparison of anticancer effects of carvone, carvone-rich essential oils, and chitosan nanoparticles containing each of them. *Biointerface Res Appl Chem*, **2022**, 12 (4): 5716–5726.
17. Amani D, Shakiba E, Motaghi E, **Alipanah H**, Jalalpourroodsari M, Rashidi M. Psoralidin exerts anti-tumor, anti-angiogenic, and immunostimulatory activities in 4T1 tumor-bearing balb/c mice. *Hormone Molecular Biology and Clinical Investigation*. **2022** Sep 9.
18. Kelidari HR, **Alipanah H**, Roozitalab G, Ebrahimi M, Osanloo M. Anticancer Effect of Solid-Lipid Nanoparticles Containing Mentha longifolia and Mentha pulegium Essential Oils: In Vitro Study on Human Melanoma and Breast Cancer Cell Lines. *Bioint. Res. App. Chem*. **2022**; 12:2128-37.
19. **Alipanah, H.**, Farjam, M., Zarenezhad, E., Roozitalab, G., & Osanloo, M. Chitosan nanoparticles containing limonene and limonene-rich essential oils: potential phytotherapy agents for the treatment of melanoma and breast cancers. *BMC Complementary Medicine and Therapies*, **2021**, 21(1), 1-10.
20. Hekmat, A. S., Chenari, A., **Alipanah, H.**, & Javanmardi, K. (2021). Protective effect of alamandine on doxorubicin-induced nephrotoxicity in rats. *BMC Pharmacology and Toxicology*, 22(1), 1-11.
21. Valizadeh, A., Khaleghi, A. A., **Alipanah, H.**, Zarenezhad, E., & Osanloo, M. (2021). Anticarcinogenic Effect of Chitosan Nanoparticles Containing Syzygium aromaticum Essential Oil or Eugenol Toward Breast and Skin Cancer Cell Lines. *BioNanoScience*, 1-9.
22. Hekmat, A. S., Navabi, Z., **Alipanah, H.**, & Javanmardi, K. (2021). Alamandine significantly reduces doxorubicin-induced cardiotoxicity in rats. **Human & Experimental Toxicology**, 09603271211010896.

23. Kelidari HR, **Alipanah H**, Roozitalab G, Ebrahimi M, Osanloo M. Anticancer Effect of Solid-Lipid Nanoparticles Containing Mentha longifolia and Mentha pulegium Essential Oils: In Vitro Study on Human Melanoma and Breast Cancer Cell Lines. *Bioint. Res. App. Chem.* **2021**;12:2128-37.
24. Karimifar, K., **Alipanah, H.**, Soltani Hekmat, A., & Bigdeli, M. R. Attenuating of NF-Kb/VCAM-1 Expression in Middle Cerebral Artery Occlusion (MCAO) Model by Viola Odorata: Protection Against Injury Ischemia-Reperfusion Injury in Rats. *Basic and Clinical Neuroscience*, 0-0.
25. **Alipanah H**, Ghanbariasad A, Osanloo M. Comparing the Cytotoxic Effects of Clove Essential Oil (Syzygium Aromaticum) and its Major Compound (Eugenol) Against Some Human Breast Cancer Cell Lines. *Journal of Fasa University of Medical Sciences.* **2020** Nov 10;10(4):0-.
26. **Alipanah H**, Zareian P. Anti-cancer properties of the methanol extract of Boswellia serrata gum resin: Cell proliferation arrest and inhibition of angiogenesis and metastasis in BALB/c mice breast cancer model. *Physiology and Pharmacology.* **2018**, 22(3):183-194.
27. **Alipanah H**, Bigdeli M R, Esmaeili M A. 2016. Inhibitory Effect of *Viola odorata* Extract on Tumor Growth and Metastasis in 4T1 Breast Cancer Model. *Iranian Journal of Pharmaceutical Research.* **2018**; 17 (1): 276-291
28. **Alipanah H**, Bigdeli M R, Esmaeili M A, Akbari M E. In vivo study to compare the effect of hydro-alcoholic extract of *Viola odorata* and melatonin on tumor growth rate and NF-kB, TNFR1 and VCAM-1 expression in 4T1 breast cancer model. *J Mazandaran Univ Med Sci.* **2016**; 25 (132):186-199
29. **Alipanah H**, Bigdeli M R, Esmaeili M A, Akbari M E.. Effect of *Viola odorata* Extract on Cell Survival of Triple Negative Breast Cancer MDA-MB-468 Cells. *J Mazandaran Univ Med Sci.* **2016**, 25 (132):186-199 (in Persian).
30. **Alipanah, H**, Khazali, H, Rokni, H. Effect of cortisol and morphine on serum ghrelin concentration in sheep fed on different dietary energy levels. *Journal of Applied Biology*, **2012** (1), 74-84 (in Persian).
31. Karimifar K, Bigdeli MR, **Alipanah H**. Effect of *Viola odorata* Extract on Reducing Infarct Volume and Neurological Defects in Focal Cerebral Ischemia Animal Model. *J Mazandaran Univ Med Sci.* **2017**; 27 (148):1-11 (in Persian).
32. Zarei F, **Alipanah H**. Mitochondrial DNA variation, genetic structure and demographic history of Iranian populations. *Molecular Biology Research Communications.* **2014**, 3(1):43-63.

33. Zarei F, **Alipanah H**. Comparative bioinformatics of four mtDNA genes in phylogenetic, demographic history and population genetic studies of *Syngnathus abaster* in west Mediterranean lagoons. *Aquatic physiology and biotechnology*, **2013**, 1(2), 1-36. (in Persian).
34. Jafaripour, D, Khazali, H, Rokni, H, & **Alipanah, H**. Effect of interaction between testosterone and morphine on serum ghrelin concentration in sheep fed on different dietary energy levels. *International Journal of Endocrinology and Metabolism*, **2012**,10(3), 558.
35. **Alipanah, H.**, Asad, A. G., Mansoori, Y., Karimi, J., Taheri, A., & Pourmontaseri, Z.. Coronavirus Disease 2019 and Re-infection with Different Symptoms: A case report. **2020**, *Authorea Preprints*.

### Books

**Gist of Basic Sciences, GUYTON AND HALL, text book of Medical physiology, 14<sup>th</sup>, 2021 (in persian)**

### Conference Papers

1. **Alipanah, H**, Khazali, H, Rokni, H, & Jafaripour, D. Synergic effect of growth hormone and morphine on serum ghrelin concentration in Ewes Treated with Glucocorticoid. *Ist National Conference on New Cellular Molecular Biotechnology*. Poster Presentation. Islamic Azad University of Parand, 2012, [http://www.civilica.com/Paper-NCNCMB01-NCNCMB01\\_144.html](http://www.civilica.com/Paper-NCNCMB01-NCNCMB01_144.html)
2. Zarei F, **Alipanah H**: Study the evolutionary history of three *Acipenser stellatus* subspecies according to mtDNA control region. *The Third International Conference on the Environmental Planning and Management*, Poster Presentation, University of Tehran; 2013. [http://www.civilica.com/Paper-ESPME03-ESPME03\\_635.html](http://www.civilica.com/Paper-ESPME03-ESPME03_635.html)
3. **Alipanah, H**, Khazali, H & Rokni, H. Effect of interaction between growth hormone and morphine on serum ghrelin concentration in sheep fed on different dietary energy levels. *First National Conference of Biological Sciences*, Poster Presentation, Islamic Azad University of Falavarjan, Isfahan, 2012.
4. Karimifar K, Bigdeli MR, **Alipanah H**. Effect of *Viola odorata* hydro-alcoholic extract on inflammatory factors (TNFR and NF-κB) expression in middle cerebral arteries occlusion (MCAO) stroke in the male rat. *Fourth International Basic and Clinical Neuroscience Congress*. Poster Presentation, Razi Convention Center, Tehran, 2015, ID: 28085
5. Rahimi B, Bigdeli MR, Alipanah H, Bayat AH. Effect of *Nigella sativa* on volume of meddle cerebral artery occlusion induced ischemia in the male rats and the model to study stroke. *The 2nd International and the 8th National Iranian Stroke Congress*. Poster Presentation Shiraz, Iran, 2015, [http://isc8.sums.ac.ir/editor\\_file/strook-book.pdf](http://isc8.sums.ac.ir/editor_file/strook-book.pdf)
6. Jafaripour, D, Khazali, H, Rokni, H, & **Alipanah, H**. Effect of interaction between testosterone and morphine on serum ghrelin concentration in sheep fed on different dietary energy levels. *First National Conference of Biological Sciences*, Poster Presentation, Islamic Azad

University of Falavarjan, Isfahan, 2012, [http://www.civilica.com/Paper-IAUFALABIO01-IAUFALABIO01\\_267.html](http://www.civilica.com/Paper-IAUFALABIO01-IAUFALABIO01_267.html).

7. Jafaripour, D, Khazali, H, Rokni, H, & **Alipanah, H**. Synergic effect of testosterone and morphine on serum ghrelin concentration in different diet. *1st National Conference on New Cellular Molecular Biotechnology*. Poster Presentation. Islamic Azad University of Parand, 2012, [http://www.civilica.com/Paper-NCNCMB01-NCNCMB01\\_140.html](http://www.civilica.com/Paper-NCNCMB01-NCNCMB01_140.html)

## References

1. Assoc. Prof. **Mohammad Reza Bigdeli** (Medical Physiology-Iran; SBU, Tehran, Iran; +98 2129902731), [bigdelimohammadreza@yahoo.com](mailto:bigdelimohammadreza@yahoo.com)
2. Assis Prof. **Ali Ghanbariasad** (Medical Biotechnology; School of Medicine, FUMS, Fasa, Iran; +98 9128359020), [alighanbariasad@gmail.com](mailto:alighanbariasad@gmail.com)
3. Assis Prof. **Mohammad Osanloo** (Medical Nanotechnology; School of Medicine, FUMS, Fasa, Iran; +98 9120592551), [m.osanloo@fums.ac.ir](mailto:m.osanloo@fums.ac.ir)