

کارنامه علمی

اطلاعات شخصی

کتایون پورولی

دانشیار گروه تغذیه سلولی و مولکولی

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رشته و مقطع تحصیلی: دکتری تخصصی علوم تغذیه

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سوابق شغلی و اجرایی:

- عضو هیئت علمی، دانشگاه علوم پزشکی شهید بهشتی، 6 آبان 1391 تا کنون
- معاون آموزشی دانشکده تغذیه و صنایع غذایی، دی 1400 - تا کنون
- معاون دانشجویی و فرهنگی دانشکده تغذیه، 13 آذر 1400 تا 15 بهمن 1400
- مدیر گروه تغذیه سلولی و مولکولی از 9 مرداد 1400
- معاون دانشجویی و فرهنگی دانشکده تغذیه، بهمن 1394 تا دی 1398
- نماینده گروه تغذیه سلولی و مولکولی در شورای تحصیلات تکمیلی دانشکده، تغذیه بهمن 1393 تا بهمن 1397
- مشارکت در تدوین کوریکولوم آموزشی رشته تغذیه سلولی و مولکولی مقطع کارشناسی ارشد
- عضو شورای مشورتی بین الملل 1400/01

1. Shimi G, **Pourvali K**, Ghorbani A, Nooshin S, Zare Karizi S, Iranirad R, Zand H. *Alterations of DNA methylation and expression of genes related to thyroid hormone metabolism in colon epithelium of obese patients*. BMC Med Genomics. 2022 Nov 1;15(1):229. doi: 10.1186/s12920-022-01387-6. PMID: 36320063; PMCID: PMC9628115.
2. Monji H, Zand H, Ghorbani A, **Pourvali K**. *The Effects of Ovalbumin on Proliferation, Migration, and Stemness Properties of Chemoresistant SW480 Colon Cancer Cells*. Nutr Cancer. 2022;74(10):3714-3722. doi: 10.1080/01635581.2022.2085754. Epub 2022 Jun 8. PMID: 35675283.

***** Promotion

3. **Pourvali K**, Shimi G, Ghorbani A, Shakery A, Shirazi FH, Zand H. *Selective thyroid hormone receptor beta agonist, GC-1, is capable to reduce growth of colorectal tumor in syngeneic mouse models*. J Recept Signal Transduct Res. 2022 Apr 27:1-8. doi: 10.1080/10799893.2022.2032748. Epub ahead of print. PMID: 35473566.
4. Poursoleiman, F., Zand, H., Pourbadie, H.G. Monji H. **Pourvali K***. *Anti-mullerian hormone attenuates insulin resistance and systemic inflammation in old obese C57BL/6 male mice*. J Diabetes Metab Disord 20, 1697–1704 (2021). <https://doi.org/10.1007/s40200-021-00925-w>
5. Ghazaleh Shimi, Hamid Zand*, **Katayoun Pourvali**, Arman Ghorbani. *Colorectal cancer causes alteration of thyroid hormone profile in newly diagnosed patients*. Expert Review of Endocrinology & Metabolism, 2021 Aug 18;1-4. DOI: 10.1080/17446651.2021.1967744

6. هادی منجی، حمید زند، آرمان قربانی، **کتایون پورولی***. بررسی اثر سفیده تخم مرغ نابارور بر تکثیر، مهاجرت و بیان ژن‌های مرتبط با بنیادینگی و تمایز سلول‌های سرطانی کولون رده SW480. فصلنامه علوم تغذیه و صنایع غذایی ایران

7. Ghazaleh Shimi, Golbon Sohrab, **Katayoun Pourvali**, Arman Ghorbani, Farinaz Hosseini Balam, Khalil Rostami, Hamid Zand*, *Correlation of Low Levels of α -1 Antitrypsin and Elevation of Neutrophil to Lymphocyte Ratio with Higher Mortality in Severe COVID-19 Patients*, Mediators of Inflammation, vol. 2021, Article ID 5555619, 7 pages, 2021. <https://doi.org/10.1155/2021/5555619>

8. **Pourvali, K***, Monji, H. *Obesity and intestinal stem cell susceptibility to carcinogenesis*. Nutr Metab (Lond) 18, 37 (2021). <https://doi.org/10.1186/s12986-021-00567-y>

9. طاهره کریمی، حسن عینی زیناب، زینب مسلمی، آرزو رضازاده، **کتایون پورولی**. درشت مغذی و ریزمغذی های دریافتی مادر در دوران بارداری و رابطه آن با امتیاز نمایه توده بدنی برای سن نوزاد در بدو تولد: یک مطالعه کوهورت در شهر تهران، فصلنامه علوم تغذیه و صنایع غذایی ایران، ۱۳۹۹، ۱۵(۴)، ۳۹-۳۱.

10. Yari Z, Behrouz V, Zand H, **Pourvali K**. *New Insight into Diabetes Management: from Glycemic Index to Dietary Insulin Index*. Current Diabetes Reviews, 2020, 16 (4), pp. 293-300, doi: 10.2174/1573399815666190614122626.

11. Mehrnaz Abbasi, Maryam S Daneshpour, Mehdi Hedayati, Azadeh Mottaghi*, **Katayoun Pourvali***, Fereidoun Azizi. *Dietary Total Antioxidant Capacity and the Risk of Chronic Kidney Disease in Patients with Type 2 Diabetes: A Nested Case-Control Study in the Tehran Lipid Glucose Study*. Journal of Renal Nutrition. 2019 Jan 29. pii: S1051-2276(18)30277-2. doi: 10.1053/j.jrn.2018.11.008. (IF 2017: 2.65)

12. Shakery A, **Pourvali K**, Ghorbani A, Fereidani SS, Zand H*. *Beta-Hydroxybutyrate Promotes Proliferation, Migration and Stemness in a Subpopulation of 5FU Treated SW480 Cells: Evidence for Metabolic Plasticity in Colon Cancer*. Asian Pac J Cancer Prev. 2018 Nov 29;19(11):3287-3294. Doi: 10.31557/APJCP.2018.19.11.3287

13. Sedaghat F, Cheraghpour M, Hosseini SA, **Pourvali K**, Toolabi LT, Mehrtash A, Talaei R, Zand H*. *Hypomethylation of NANOG promoter in colonic mucosal cells of obese patients: a possible role of NF- κ B*. 2019 British Journal of Nutrition, 122 (5), pp. 499-508. doi: 10.1017/S000711451800212X.

14. Mehrnaz Abbasi, Maryam S. Daneshpour, Mehdi Hedayati, Azadeh Mottaghi*, **Katayoun Pourvali***, Fereidoun Azizi. *The relationship between MnSOD Val16Ala gene polymorphism and the level of serum total antioxidant capacity with the risk of chronic kidney disease in type 2 diabetic patients: a nested case-control study in the Tehran lipid glucose study*. Nutrition & Metabolism 2018 **15**:25. Doi: 10.1186/s12986-018-0264-0

15. Zand*, H., **Pourvali, K.**, Christides, T. *Reconsidering Values in Biomedical Research*. BioEssays. 30 March 2018. <https://doi.org/10.1002/bies.201800019>

16. Zand H, Pourvali K, Shakeri A, Mansour A. *Chapter 12: The influence of dietary components on gene expression*. In CRC press. *Nutro-genomics and nutraceuticals*. 2018, pp 248-299.

17. A Mottaghi, P Mirmiran, **K Pourvali**, Z Tahmasbpour, F Azizi. *Incidence and prevalence of childhood obesity in Tehran*. Iranian Journal of Public Health 2017 46(10), pp. 1395-1403
18. H Zand, R Homayounfar, M Cheraghpour, M Jeddi-Tehrani, A Ghorbani, **K Pourvali**, SR Soltani. *Obesity-induced p53 activation in insulin-dependent and independent tissues is inhibited by beta-adrenergic agonist in diet-induced obese rats*. Life Science 2016 Feb 15;147:103-9. doi: 10.1016/j.lfs.2016.01.040.
19. **K Pourvali**, M Abbasi, A Mottaghi. *Role of Superoxide Dismutase 2 Gene Ala16Val Polymorphism and Total Antioxidant Capacity in Diabetes and its Complications*. Avicenna Journal of Medical Biotechnology. 2016 Apr-Jun; 8 (2) 48-56.
20. M Mirghotbi, **K Pourvali**. *Consumers' attitude towards date marking system of packaged foods*. Journal of Paramedical Sciences (JPS) Summer 2013 Vol.4, No.3 ISSN 2008-4978
21. **K Pourvali**, P Matak, G O Latunde-Dada, S Solomou, M Mastrogiannaki, C Peyssonnaux, P A Sharp. *Basal expression of copper transporter 1 in intestinal epithelial cells is regulated by hypoxia-inducible factor 2 α* . FEBS Letters. 586 (2012) 2423-2427.
22. Chaston TB, Matak P, **Pourvali K**, Srai SK, McKie AT, Sharp PA. *Hypoxia inhibits hepcidin expression in HuH7 hepatoma cells via decreased SMAD4 signaling*. American Journal of Cell Physiology. 2011 Apr; 300(4): C888-95.
23. Srai SK, Chung B, Marks J, **Pourvali K**, Solanky N, Rapisarda C, Chaston TB, Hanif R, Unwin RJ, Debnam ES, Sharp PA. *Erythropoietin regulates intestinal iron absorption in a rat model of chronic renal failure*. Kidney International. 2010 Oct; 78(7): 660-7.
24. B. Chung, C. Rapisarda, **K. Pourvali**, P. Sharp; *Direct effects of erythropoietin on iron absorption by human intestinal epithelial cells*. Journal of Physiology, 2009; Proc Physiol Soc 16 (C12).
25. Z Kamali, Sh Eghtesadi, B Birashk, A Afkham Ebrahimi, **K Pourvali**; *Study of the effect of Iron Therapy on cognitive function in women with iron deficiency anemia*. Journal of Iran University of Medical Sciences, 2007; 13(53): 161-168.
26. **K Pourvali**, S Eghtesadi, S Z Mazhari, Z Kamali; *The effect of Iron therapy on copper status of women with iron deficiency anemia consulting Iran University of Medical Sciences hospitals*. Iranian Journal of Nutrition Sciences, Fall 2006; 1(2): 45-53.

1. **K Pourvali**, S Solomou, P Sharp. *Effect of copper loading and depletion on iron and copper transporters in human hepatoma cell line, Huh-7*. Poster presentation, 1st International and 13th National Iranian Nutrition Congress. Nov 30 – Dec 3, 2014. Tehran, Iran.
2. **K Pourvali**, P Sharp. *The role of hypoxia inducible factors in iron transporter expression in Caco-2 cells*. Poster presentation, Fifth Congress of the International BioIron Society (IBIS), Biennial World Meeting (BioIron 2013), April 14-18, 2013, London, United Kingdom
3. S Solomou, **K Pourvali**, R Hoque and P Sharp. *Duodenal Cytochrome B plays a role in Copper uptake*. Poster presentation, Fifth Congress of the International BioIron Society (IBIS), Biennial World Meeting (BioIron 2013), April 14-18, 2013, London, United Kingdom
4. **K Pourvali**, F Alzaid, R Hoque, P Sharp. *The effect of copper loading and deficiency on iron absorption in Caco-2 cells*. Podium presentation, Fourth Congress of the International BioIron Society (IBIS), Biennial World Meeting (BioIron 2011), May 22 – 26, 2011, Vancouver, Canada.
5. S Solomou, **K Pourvali**, P Sharp. *Copper-dependant regulation of DMT-1 in Huh-7 Hepatoma cells*. Poster presentation, European Iron Club meeting, Sep 16-17, 2010, Nijmegen, The Netherlands.
6. F Alzaid, **K Pourvali**, CI Lin, M Arno, E Aldecoa-Otalora Astarloa, PA Sharp PW Emery, D Bagchi, VR Preedy and H Wiseman; *Anthocyanin-rich-berry-extract treatment decreases expression of dietary glucose transporter genes in human intestinal Caco-2 cells*. Nutrition Society Winter meeting, University of Reading, UK. Dec 2009.
7. **K Pourvali**, P Sharp; *Copper loading and depletion regulate iron transporter expression in Caco-2 cells*. Journal of Physiology, 2009; Proc Physiol Soc 16 (PC11).
8. Nutrition Society Summer meeting, University of Surry, UK. Sep 2009. F Alzaid, **K Pourvali**, CI Lin, M Arno, E Aldecoa-Otalora Astarloa, PA Sharp, C Hogstrand, PW Emery, D Bagchi, VR Preedy and H Wiseman; *Flavonoid-rich-berry-extract treatment decreases the expression of DMT1 and functionally-similar metal transporter genes in human intestinal Caco-2 cells*.
9. **K Pourvali**, P Sharp; *Copper loading and depletion regulate iron transporter expression in Caco-2 cells*. Physiological society, Epithelia & Membrane Transport Themed Meeting. University of Newcastle, UK. Sep 2009.
10. **K Pourvali**, P Sharp; *The effect of copper loading and depletion on iron transporter expression in Caco-2 cells*. International Bioiron Society Meeting, June 2009, Porto, Portugal.
11. B Chung, T Chaston, C Rapisadra, **K Pourvali**, C Da Silva, S K Srai, P Sharp; *Erythropoietin increases iron absorption by human intestinal epithelial cells*. International Bioiron Society Meeting, June 2009, Porto, Portugal.

12. **K Pourvali**; *The effect of copper loading and depletion on metal transporter expression in Caco-2 cells*. First Biology Conference for Iranian Scholars in Europe, Dec 2008, Hamburg, Germany.
13. **K Pourvali**, Z Kamali, S Egtesadi; *The effect of Iron therapy on copper status in women with iron deficiency anemia*. Nutrition safari, 18th International Congress on Nutrition, Sep 2005, Durban, South Africa.
14. 8th Iranian Congress on Nutrition, Sep 2004, Poster presentation. Iran University of Medical sciences and Health Services, Tehran, Iran.
15. **K Pourvali**. *Nutrition during Breastfeeding*. Breastfeed quarterly Journal, Fourth year, No. 15, fall 2003.
16. **K Pourvali**. *The effect of type II diabetes on the incidence of complications*. IX Asian Congress of Nutrition Feb 2003, New Delhi, India.
17. **K Pourvali**. *The effect of type 2 diabetes duration on the incidence of complications*. IV International Nutrition and Dietetics Congress, Apr 2003, Antalya, Turkey.

زمینه های مورد علاقه تحقیقاتی:

- سرطان
- پیری
- اپی ژنتیک