

بسمه تعالی

۱- مشخصات فردی

نام: بی بی فاطمه

نام خانوادگی: نوبخت مطلق قوچانی

رشته تحصیلی: پروتئومیکس کاربردی

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۲- سوابق تحصیلی

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کارشناسی ارشد: زیست شناسی - بیوشیمی، دانشگاه الزهرا (س)، ۱۳۸۶-۱۳۸۳

(عنوان پایان نامه: بررسی ساختار و فعالیت آنزیم لیزوزیم سفیده تخم مرغ در حضور برخی متابولیت ها)

دکترای تخصصی: پروتئومیکس کاربردی، دانشگاه علوم پزشکی شهید بهشتی، ۱۳۹۴-۱۳۸۹

(عنوان پایان نامه: بررسی پروفایل متابولیتی سرم خون بیماران ریوی ناشی از خردل گوگردی با استفاده از NMR)

۱-۲- عناوین و امتیازات ویژه

الف) کسب رتبه ممتاز دانشجویی در سال ۱۳۸۹ در رشته پروتئومیکس مقطع Ph.D دانشگاه علوم پزشکی شهید بهشتی.

ب) کسب رتبه دانشجوی برتر دانشگاهی در سال ۱۳۹۰ در رشته پروتئومیکس مقطع Ph.D دانشگاه علوم پزشکی شهید

بهشتی.

۳- سوابق کاری

استادیار دانشکده علوم پزشکی نیشابور (۹۸-۱۳۹۵)

استادیار دانشگاه علوم پزشکی بقیه الله (عج) (۹۸)

۴- سوابق پژوهشی

الف) همکار طرح در دانشگاه تربیت مدرس (۸۶-۱۳۸۵)

ب) همکار طرح در دانشگاه علوم پزشکی مشهد (۸۸-۱۳۸۷)

۴-۱- مقاله های علمی چاپ شده

1. Mehrparvar B, Chashmnam S, **Nobakht F**, Amini M, Javidi A, Minai-Tehrani A, et al. *Metabolic profiling of seminal plasma from teratozoospermia patients*. Journal of pharmaceutical and biomedical analysis. 2020;178:112903.
2. Gilany K, Mohamadkhani A, Chashmnam S, Shahnazari P, Amini M, Arjmand B, et al. **Nobakht M. Gh B F***. *Metabolomics analysis of the saliva in patients with chronic hepatitis B using nuclear magnetic resonance: a pilot study*. Iranian Journal of Basic Medical Sciences. 2019.
3. Chashmnam S, Ghafourpour M, Farimani AR, **Nobakht M. Gh B F***. *Metabolomic Biomarkers in the Diagnosis of Non-Alcoholic Fatty Liver Disease*. Hepatitis Monthly. 2019;19(9).
4. Mirhafez SR, Farimani AR, Dehhabe M, Bidkhorri M, Hariri M, **Nobakht M. Gh B F**, et al. *Effect of Phytosomal Curcumin on Circulating Levels of Adiponectin and Leptin in Patients with Non-Alcoholic Fatty Liver Disease: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial*. Journal of Gastrointestinal & Liver Diseases. 2019;28(2).

5. **Nobakht M. Gh B F***, Ghafourpour M, Abdollahi F, Tavallaie S. *Pro-oxidant antioxidant balance in patients with non-alcoholic fatty liver disease. Gastroenterology and hepatology from bed to bench.* 2019;12(2):124.
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7. Chashmnam S, Mirhafez SR, Dehabe M, Hariri M, Nezhad MA, **Nobakht M. Gh B F***. *A pilot study of the effect of phospholipid curcumin on serum metabolomic profile in patients with non-alcoholic fatty liver disease: a randomized, double-blind, placebo-controlled trial.* European journal of clinical nutrition. [Epub ahead of print].
8. SR Mirhafez, Azam Rezaei, A Gholami, E Hooshmand², S Tavallaie⁴, **B F Nobakht M. Gh*** *The effect of curcumin with piperine supplementation on pro-oxidant and antioxidant balance in patients with non-alcoholic fatty liver disease: a randomized, double-blind, placebo-controlled trial.* Drug Metabolism and Personalized Therapy 34(2).
9. Hamidi Alamdari D, **Nobakht BF**, Balali-Mood M, Keramati MR, Sahebkar A. *Prooxidant-antioxidant balance in Iranian veterans exposed to mustard gas and its correlation with biochemical and hematological parameters.* Drug and chemical toxicology. [Epub ahead of print].

10. Darbandi M, Darbandi S, Agarwal A, Baskaran S, Dutta S, Sengupta P, et al, **Nobakht BF**. *Reactive oxygen species-induced alterations in H19-Igf2 methylation patterns, seminal plasma metabolites, and semen quality*. Journal of assisted reproduction and genetics. [Epub ahead of print].
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12. **B Fatemeh Nobakht M. Gh.*** *Application of metabolomics to preeclampsia diagnosis*. Systems biology in reproductive medicine. 2018;64(5):324-39.
13. Fahimeh Haghighatdoost, **B Fatemeh Nobakht M. Gh***. *Effect of conjugated linoleic acid on blood inflammatory markers: a systematic review and meta-analysis on randomized controlled trials*. European Journal of Clinical Nutrition. 2018;72(8):1071.
14. **B. Fatemeh Nobakht M. Gh.**, Rasoul Aliannejad, Afsaneh Arefi Oskouie, et al. *Metabolomics diagnostic approach to mustard airway diseases: A preliminary study*. Iranian Journal of Basic Medical Sciences (2018) 21(1): 59-69.
15. Fahimeh Haghighatdoost, **B Fatemeh Nobakht M. Gh**, Mitra Hariri. *Effect of green tea on plasma leptin and ghrelin levels: a systematic review and meta-analysis of randomized controlled clinical trials*. Nutrition (2018) 45: 17-23.
16. Pardis Keshavarz, **B. Fatemeh Nobakht M.**, Seyed Reza Mirhafez, Mohsen Nematy, Mohsen Azimi Nezhad and *et.al*. *Alterations in Lipid Profile, Zinc and Copper Levels and Superoxide Dismutase Activities in Normal Pregnancy and Preeclampsia*. The American Journal of the Medical Sciences (2017) 353 (6): 552-8.

17. Fahimeh Haghghatdoost, **B. Fatemeh Nobakht M. Gh.**, Mitra Hariri. *Effect of Green Tea on Plasma Adiponectin Levels: A Systematic Review and Meta-analysis of Randomized Controlled Clinical Trials*. Journal of the American College of Nutrition (2017) 36 (7): 541-8.
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۴-۲- شرکت در کنگره های خارجی و داخلی

1. Exhaled nitric oxide in mustard airway disease. ERS International Congress 2018, France, 15-19 September. (Poster presentation)
2. Saliva Metabolomic profile of patients with Chronic Hepatitis B. 15th Iranian Congress of Biochemistry & 6th International Congress of Biochemistry and Molecular Biology, Isfahan, Iran, 2018, 25-28 August. (Poster presentation)
3. Effect of curcumin on serum metabolomic profile in patients with non-alcoholic fatty liver disease. 15th Iranian Congress of Biochemistry & 6th International Congress of Biochemistry and Molecular Biology, Isfahan, Iran, 2018, 25-28 August. (Poster presentation)
4. Prooxidant-Antioxidant Balance in Iranian Veterans Exposed to Mustard Gas and Its Correlation with Biochemical and Hematological Parameters. The 2nd international congress on hematological disorders, 2017, Iran, 3-5 May. (Poster presentation)
5. A metabolomic approach in COPD. 7th International Congress on Pulmonary diseases, Intensive care and Tuberculosis, 2015, Iran, 12-15 October. (Poster presentation)

6. NMR spectrometry-based metabolomic study of serum in sulfur mustard exposed patients with lung disease. ERS International Congress 2015, Netherland, 26-30 September. (Poster presentation)
7. Prooxidant-Antioxidant Balance in patients exposed to sulfur mustard in different levels of lung disease. ERS International Congress 2015, Netherland, 26-30 September. (Poster presentation)
8. Development and characterization of novel monoclonal antibody against carcinoembryonic antigen, 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry and Molecular Biology, Mashhad, Iran. Clinical Biochemistry, Volume 44, Issue 13, Supplement, September 2011, Page S181, (Poster presentation).
9. In vitro assessment of glycerol affection on lysozyme's structure-function at high glucose concentration, 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry and Molecular Biology, Mashhad, Iran. Clinical Biochemistry, Volume 44, Issue 13, Supplement, September 2011, Page S25, (oral presentation).
10. Investigation of micronutrients – iron, zinc and selenium – in Mashhad central prison, 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry and Molecular Biology, Mashhad, Iran. Clinical Biochemistry, Volume 44, Issue 13, Supplement, September 2011, Page S231, (Poster presentation).
11. Misfolding and functional changes of proteins under high glucose concentration and the effect of chemical chaperones, 9th European Symposium of the Protein Society, May 2011, Stockholm, Sweden, (Poster presentation).

12. Comparison between the inhibitory effect of different classes of chemical chaperones on nonenzymatic glycation of lysozyme and albumin. The 3rd latin American protein society meeting-Argentina-2010, (Poster presentation).
13. Prevalence of iron deficiency anemia in the central prison of Mashhad, 10th National Congress of Nutrition, 2008, Tehran, Iran, (Poster presentation).
14. Polyamines effect on glucose-induced lysozyme modifications, 9th National Congress of Biochemistry and 2th International Congress of Biochemistry and Molecular Biology, October 29- November 1, 2007, Shiraz, Iran, (Poster presentation).
15. Thermal inactivation of hen egg white lysozyme in presence of spermine, 9th National Congress of Biophysical chemistry, 2006, Tabriz, Iran, (Poster presentation).

۳-۴- کتاب

۱. آنتی فریز پروتئین ها (پروتئین های ضد یخ)- سیده زهرا موسوی نژاد، بی بی فاطمه نوبخت مطلق قوچانی، انتشارات زلال اندیشه-۱۳۸۸.

2. **Nobakht BF, Oskouie AA.** 2018. Metabolomics as a Novel Diagnostic Approach for Asthma. Genomic Approach to Asthma. Springer; p. 123-153.

۴-۴- فعالیت ها

۱. انجام آزمایشات متابولومیکس با استفاده از رزناس مغناطیس هسته با تکنیک CPMG (NMR) و کرمتوگرافی گاز کوپل شده با اسپکتروسکوپی جرمی (GC-MS)، ۱

۲. انجام آزمایشات پروتئومیکس با استفاده از لکتروفورز دوبعدی (2DE) و انجام آنالیزهای آماری چند متغیره مرتبط با متابولومیکس و پروتئومیکس،
۳. تعیین ساختار دوم و سوم پروتئین ها با استفاده از دورنگ نمایی حلقوی (Circular Dichroism)،
۴. تعیین میزان پروتئین های گلیکه شده با استفاده از فلوریمتری،
۵. الکتروفورز SDS-PAGE، native-PAGE جهت بررسی پروتئین ها،
۶. تعیین سنجش فعالیت آنزیم ها با استفاده از اسپکتوفتومتری،
۷. اندازه گیری بالانس اکسیدان- آنتی اکسیدان با استفاده از سنجش PAB.