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**CURRICULUM VITAE**

December,2024

**Sanaz Dastghaib, PhD**

Graduated in clinical biochemistry April 2020.

Employment as lab technician at Endocrine & Metabolism Research Center, Shiraz University of Medical Sciences.

Date of Birth: Jun, 5, 1982

Marital Status: Single

Citizenship: Iran

**ADDRESS**

Endocrine & Metabolism research center, Shiraz University of medical sciences.

Khalili Avenue. Mohammad Rasoolullah Research Tower (PBUH)

Postal code :7193635899

Cell: +98-9177019338

Lab: 071-3628150

E-mail: [suny.respina@gmail.com](mailto:suny.respina@gmail.com)

**DEGREES**

2014-2020 **PhD** Clinical Biochemistry, Shiraz University of Medical Sciences, Shiraz, Iran.

**Dissertation:** The evaluation of Cholesterol/UPR molecular mechanisms in sensitizing U87, U251 (Glioblastoma multiform) cell lines to Simvastatin & Temozolomide combination therapy

**Supervisors:** Dr. Saeid Ghavami and Dr.Pooneh Mokaram

**Overall GPA:** **18.57**/20 Top student

2010-2013 **MSc** Clinical Biochemistry, Shiraz University of Medical Sciences, Shiraz, Iran.

**Dissertation:** The effect of aquatic extract of stevia on MDA level, Catalase activity and expression of PPARγ gene in pancreas of diabetic rats.

**Supervisors:** Dr.Pooneh Mokaram and Dr. Assaei

**Overall GPA: 19.53**/20 Top student

2004-2006 **B. SC.** Medical Laboratory science,Shiraz university of medical sciences, Shiraz, Iran.

2001-2003 **Associate's degree,** Medical Laboratory science, Iran University of Medical Sciences,

Tehran, Iran.

**Working Experience:**

2003-present Endocrine & Metabolism research center, Shiraz University of medical sciences

Laboratory technician.

2011-present Supervisor of hormone section Dr.shorafa referral Farzanegan Lab, Shiraz, Iran.

2005-2011 Laboratory technician in hormone section, Pastor. Lab Dr. Highlight, Shiraz, Iran.

2005-2007 Laboratory technician in Hb and Protein electrophoresis section, MRI hospital, lab,

Shiraz, Iran.

**Technical Skills:**

**Common used molecular biology methods**

DNA, extraction from blood, tissue, serum

Polymerase Chain Reaction (PCR)

Electrophoresis

RNA extraction, RT-PCR/ Real time PCR.

**Enzyme assay**

Kinetic assay

End point assay

**Ag-Ab assay**

ELISA (enzyme linked immune sorbent assay)

RIA (radioimmuno assay)

IHC (immunohistochemistry)

IFA (Immunofluorescence assay)

**Expert with -General automatic instrument in Biochemistry and Hormone Lab**

**Expert with Cell culture, Primary culture, MTT assay, Western blot and Flow cytometry**

**Computer Skills** Microsoft Office (Word, Power point, Excel), Endnote, SPSS, Prism

**AWARDS AND DISTINCTIONS (HONORS)**

-Honored BS student at Shiraz University of Medical Science, 2006.

-Honored MSc student at Shiraz University of Medical Science, 2012.

-Honored PhD student at Shiraz University of Medical Science, 2018.

**RESEARCH:**

**PUBLICATIONS/PRESENTATIONS**

**2024**

1- Zahra Ansari, Mohammad Hasan Maleki, Fatemeh Roohy, Zahra Ebrahimi, Mesbah Shams, Pooneh Mokaram, Zahra Zamanzadeh, Zahra Hosseinzadeh, Farhad Koohpeyma, **Sanaz Dastghaib**. [Protective effects of artichoke extract and Bifidobacterium longum on male infertility in diabetic rats](https://www.sciencedirect.com/science/article/pii/S2405580824001985). Biochemistry and Biophysics Reports. 2024, Volume 40; Pages 101834. *)Impact factor: 2.300)*

2- Hediye Fahandezh Saadi, Mozhdeh Zamani, Farhad Koohpeyma, Alireza Raeisi, Zahra Amirahmadi, Narges Rezaei, Zahra Joolidehpoor, Mesbah Shams, **Sanaz Dastghaib.** [Therapeutic potential of aquatic Stevia extract in alleviating endoplasmic reticulum stress and liver damage in streptozotocin-induced diabetic rats](https://link.springer.com/article/10.1007/s11033-024-09907-6). Molecular Biology Reports. 2024, Volume 51; Issue 1, Pages 1-14. *)Impact factor:2.600)*

3- Mohammad Hasan Maleki, Fatemeh Omidi, Zeinab Javanshir, Mahla Bagheri, Zobeideh Tanhadoroodzani, Sahar Dastghaib, Mesbah Shams, Mohammadarian Akbari, **Sanaz Dastghaib**. [β-Hydroxybutyrate and melatonin suppress maladaptive UPR, excessive autophagy and pyroptosis in Aβ 1–42 and LPS-Induced SH-SY5Y cells](https://link.springer.com/article/10.1007/s11033-024-09754-5). Molecular Biology Reports. 2024, Volume 51; Issue 1, Pages 802. *)Impact factor:2.600)*

4- Marzieh Nemati, Ali Akbar Alizadeh, **Sanaz Dastghaib**, Forough Saki. [Vitamin D supplementation affects bone marrow-derived mesenchymal stem cells differentiation into insulin-producing cells](https://link.springer.com/article/10.1007/s11033-024-09681-5). Molecular Biology Reports. 2024, Volume 51; Issue 1, Pages 748. *)Impact factor:2.600)*

5- Haniyeh Keyghobadi, Hadis Bozorgpoursavadjani, Farhad Koohpeyma, Nazanin Mohammadipoor, Marzieh Nemati, Farshad Dehghani, Iman Jamhiri, Gholamhossein Keighobadi, **Sanaz Dastghaib.** [Therapeutic potential of *Lactobacillus casei* and *Chlorella vulgaris* in high-fat diet-induced non-alcoholic fatty liver disease (NAFLD)-associated kidney damages: a …](https://link.springer.com/article/10.1007/s11033-024-09542-1). Molecular Biology Reports. 2024, Volume 51; Issue 1, Pages 613. *)Impact factor:2.600)*

6- Sedigheh Rezayi, Morvarid Siri, Nasim Rahmani-Kukia, Mozhdeh Zamani, **Sanaz Dastghaib**, Pooneh Mokarram. [The modulation of autophagy and unfolded protein response by ent-kaurenoid derivative CPUK02 in human colorectal cancer cells](https://link.springer.com/article/10.1007/s11033-024-09541-2). Molecular Biology Reports. 2024, Volume 51; Issue 1, Pages 1-10. *)Impact factor:2.600)*

7- Zahra Noori, Mohammad Sharifi, **Sanaz Dastghaib**, Fatemeh Basiri Kejani, Fatemeh Roohy, Zahra Ansari, Mohammad Hasan Maleki, Morvarid Siri, Sayed Mohammad Shafiee. [Quercetin declines LPS induced inflammation and augments adiponectin expression in 3T3-L1 differentiated adipocytes SIRT-1 dependently](https://link.springer.com/article/10.1007/s11033-024-09334-7). Molecular Biology Reports. 2024, Volume

51; Issue 1, Pages 445. *)Impact factor:2.600)*

8- Nima Mohammadipoor, Raika Naiebi, Seyed Amirhossein Mazhari, Fateme Amooei, Marzieh Owrang, Sahar Dastghaib, Mesbah Shams, Mohammad Hassan Maleki, **Sanaz Dastghaib.** [Improved therapy for clear cell renal cell carcinoma: beta-hydroxybutyrate and quercetin target hypoxia-induced angiogenesis and multidrug resistance](https://link.springer.com/article/10.1007/s11033-024-09355-2). Molecular Biology Reports. 2024, Volume 51; Issue 1, Pages 379.

*)Impact factor:2.600)*

9- Fatemeh Roohy, Morvarid Siri, Kiarash Kohansal, Afsane Ghalandari, Roya Rezaei, Mohammad Hasan Maleki, Mesbah Shams, Alireza Monsef, **Sanaz Dastghaib.** [Targeting apoptosis and unfolded protein response: the impact of β-hydroxybutyrate in clear cell renal cell carcinoma under glucose-deprived conditions](https://link.springer.com/article/10.1007/s11033-023-08977-2). Molecular Biology Reports. 2024, Volume 51, Issue 1; Pages 168. *)Impact factor:2.600)*

10- Morvarid Siri, Mohammad Hasan Maleki, Seyed Mohammadmahdi Meybodi, Seyed Amirhossein Mazhari, Fatemeh Ghaderi Saviri, Amirreza Dehghanian, Maryam Naseh, Nafiseh Esmaeili, **Sanaz Dastghaib**, Zeinab Aryanian. [Enhancing Wound Healing via Modulation of Autophagy-Induced Apoptosis: The Role of Nicotinamide Riboside and Resveratrol in Streptozotocin-Treated Diabetic Rat](https://www.sciencedirect.com/science/article/pii/S0955286324002420). The Journal of Nutritional Biochemistry. 2024, Pages 109811. *)Impact factor:4.800)*

11- Mozhdeh Zamani, Farima Safari, Morvarid Siri, Somayeh Igder, **Sanaz Dastghaib**, Pooneh Mokarram. [Epigenetic modulation of autophagy pathway by small molecules in colorectal cancer: a systematic review](https://link.springer.com/article/10.1007/s00432-024-05982-1). Journal of Cancer Research and Clinical Oncology. 2024, Volume 150; Issue 10, Pages 1-14. *)Impact factor:2.700)*

12- Marzieh Nemati, Morvarid Siri, Bahareh Ebrahimi, Zahra Hosseinzadeh, Mina Molayem, Pooneh Mokarram, **Sanaz Dastghaib**. [Importance of unfolded protein response modulation on diabetes management: a systematic review](https://link.springer.com/article/10.1007/s40200-024-01451-1). Journal of Diabetes & Metabolic Disorders. 2024, Pages 1-12. *)Impact factor:1.800)*

13- Mohammad Hasan Maleki, Morvarid Siri, Amirhossein Jafarabadi, Mahsa Rajabi, Seyed Amirhossein Mazhari, Zahra Noori, Farhad Koohpeyma, Amirreza Dehghanian, Nafiseh Esmaeili, Zeinab Aryanian, **Sanaz Dastghaib.** [Boosting wound healing in diabetic rats: The role of nicotinamide riboside and resveratrol in UPR modulation and pyroptosis inhibition](https://www.sciencedirect.com/science/article/pii/S1567576924005319). International Immunopharmacology. 2024, Volume 132; Pages 112013. *)Impact factor:4.800)*

14- Mohammad Hasan Maleki, Sara Abdizadeh Javazm, **Sanaz Dastghaib**, Anahita Panji, Mohammad Hojjati Far, Hajar Mahmoodi, Morvarid Siri, Sayed Mohammad Shafiee. [The effect of quercetin on adipogenesis, lipolysis, and apoptosis in 3T3‐L1 adipocytes: The role of SIRT1 pathways](https://onlinelibrary.wiley.com/doi/abs/10.1002/osp4.752). Obesity Science & Practice. 2024, Volume 10, Issue 2; Pages e752. *)Impact factor:1.900)*

15- Fatemeh Samimi, Maryam Baazm, Zahra Nadi, **Sanaz Dastghaib**, Mehri Rezaei, Farideh Jalali-Mashayekhi. [Evaluation of Antioxidant Effects of Coenzyme Q10 against Hyperglycemia-Mediated Oxidative Stress by Focusing on Nrf2/Keap1/HO-1 Signaling Pathway in the Liver of Diabetic Rats](https://ijms.sums.ac.ir/article_49937.html). Iranian Journal of Medical Sciences. 2024. *)Impact factor:2.100)*

16- **Sanaz Dastghaib**, Seyed Mohammad Shafiee, Fatemeh Ramezani, Niloufar Ashtari, Farhad Tabasi, Javad Saffari-Chaleshtori, Omid Vakili, Morvarid Siri, Somayeh Igder, Mojdeh Zamani, Mahshid Moballegh Nasery, Fariba Kokabi, Emilia Wiechec, Zohreh Mostafavi-Pour, Pooneh Mokarram, Saeid Ghavami. [NRF1 or NRF2: Emerging role of redox homeostasis on PERK/NRF/autophagy mediated antioxidant in tumor and patient dependent chemo sensitivity](https://www.preprints.org/manuscript/202401.0079). 2024.

17- Roya Rezaei, Asra Abdali Larki, Rosa Hosseinzadegan, Zahra Dashti, Saba Tarkashvand, Reihaneh Akhoondi, Morvarid Siri, Mesbah Shams, Alireza Monsef, **Sanaz Dastghaib**. [Exploring the Therapeutic Potential of *β*‐Hydroxybutyrate (BHB) in Clear Cell Renal Cell Carcinoma: A Journey into Fat Browning, Autophagy, and Tumor Slimming](https://onlinelibrary.wiley.com/doi/abs/10.1155/2024/8805868). International Journal of Clinical Practice. 2024, Volume 2024, Issue 1; Pages 8805868. *)Impact factor:2.900)*

18- Fatemeh Samimi, Nasim Namiranian, Ali Sharifi-Rigi, Morvarid Siri, Omid Abazari, **Sanaz Dastghaib**. [Coenzyme Q10: A Key Antioxidant in the Management of Diabetes‐Induced Cardiovascular Complications—An Overview of Mechanisms and Clinical Evidence](https://onlinelibrary.wiley.com/doi/abs/10.1155/2024/2247748). International Journal of Endocrinology. 2024, Volume 2024; Issue 1, Pages 2247748. *)Impact factor:2.300)*

**2023**

19- **Sanaz Dastghaib**, Farhad Koohpeyma, Mesbah Shams, Forough Saki, Aliakbar Alizadeh. [New concepts in regulation and function of the FGF23](https://link.springer.com/article/10.1007/s10238-022-00844-x). Clinical and Experimental Medicine. 2023, Volume 23; Issue 4, Pages 1055-1066. *)Impact factor:3.200)*

20- Maryam Rasouli, Sara Khakshournia, Omid Vakili, **Sanaz Dastghaib**, Atefeh Seghatoleslam, Sayed Mohammad Shafiee. [The crosstalk between ubiquitin-conjugating enzyme E2Q1 and p53 in colorectal cancer: An in vitro analysis](https://link.springer.com/article/10.1007/s12032-023-02039-0). Medical Oncology. 2023, Volume 40; Issue 7, Pages 199. *)Impact factor:2.800)*

21- Mozhdeh Zamani, Morvarid Siri, **Sanaz Dastghaib**, Pooneh Mokarram. [Salinomycin triggers human colorectal cancer HCT116 cell death by targeting unfolded protein responses and autophagy pathways](https://colorectalresearch.sums.ac.ir/article_49499.html). Iranian Journal of Colorectal Research. 2023, Volume 11; Issue 2, Pages 73-78.

22- Niloofar Dehdari Ebrahimi, Sara Shojaei-Zarghani, Ehsan Taherifard, **Sanaz Dastghaib**, Shima Parsa, Nasim Mohammadi, Fatemeh Sabet Sarvestani, Zahra Moayedfard, Nima Hosseini, Heidar Safarpour, Alireza Sadeghi, Negar Azarpira, Ali Reza Safarpour. [Protective effects of melatonin against physical injuries to testicular tissue: A systematic review and meta-analysis of animal models](https://www.frontiersin.org/articles/10.3389/fendo.2023.1123999/full). Frontiers in Endocrinology. 2023, Volume 14; Pages 1123999. *)Impact factor:3.900)*

23- Forough Saki, Mesbah Shams, **Sanaz Dastghaib**, Farhad Koohpeyma. [Pantoprazole‐Induced Bone Loss through Gastrin Secretion: A Stereological Study](https://onlinelibrary.wiley.com/doi/abs/10.1155/2023/2594664). BioMed Research International. 2023, Volume 2023, Issue 1, Pages 2594664. *)Impact factor:2.600)*

24- Marzieh Nemati, Zahra Ebrahimi, Narges Karbalaei, **Sanaz Dastghaib**, Sara Khakshournia, Mojtaba Sargazi. [In vitro and in vivo improvement of islet quality and transplantation successes following islet treatment with biomaterials in diabetic rats](https://onlinelibrary.wiley.com/doi/abs/10.1155/2023/1399917). Journal of Diabetes Research. 2023, Volume 2023; Issue 1, Pages 1399917. *)Impact factor:3.600)*

**2022**

25- Saeid Ghavami, Mozhdeh Zamani, Mazaher Ahmadi, Mehran Erfani, **Sanaz Dastghaib**, Mahsa Darbandi, Sara Darbandi, Omid Vakili, Morvarid Siri, Beniamin Oskar Grabarek, Dariusz Boroń, Maryam Zarghooni, Emilia Wiechec, Pooneh Mokarram. [Epigenetic regulation of autophagy in gastrointestinal cancers](https://www.sciencedirect.com/science/article/pii/S0925443922001831). Biochimica et Biophysica Acta (BBA)-Molecular Basis of Disease. 2022, Volume 1868; Issue 11, Pages 166512. *)Impact factor:4.200)*

26- Farhad Koohpeyma, Fatemeh Gholizadeh, Hannaneh Hafezi, Mehri Hajiaghayi, Morvarid Siri, Shaghayegh Allahyari, Mohammad Hasan Maleki, Naeimehossadat Asmarian, Elahe Bayat, **Sanaz Dastghaib**. [The protective effect of L-carnitine on testosterone synthesis pathway, and spermatogenesis in monosodium glutamate-induced rats](https://link.springer.com/article/10.1186/s12906-022-03749-0). BMC Complementary Medicine and Therapies. 2022, Volume 22; Issue 1, Pages 269. *)Impact factor:3.300)*

27- Hamidreza Totonchi, Pooneh Mokarram, Saeed Karima, Ramazan Rezaei, **Sanaz Dastghaib**, Farhad Koohpeyma, Shokoofe Noori, Negar Azarpira. [Resveratrol promotes liver cell survival in mice liver-induced ischemia-reperfusion through unfolded protein response: a possible approach in liver transplantation](https://link.springer.com/article/10.1186/s40360-022-00611-4). BMC Pharmacology and Toxicology. 2022, Volume

23; Issue 1, Pages 74. *)Impact factor:2.800)*

28- Mehdi Eshraghi, Mazaher Ahmadi, Saeid Afshar, Shahrokh Lorzadeh, Aida Adlimoghaddam, Nahid Rezvani Jalal, Ryan West, **Sanaz Dastghaib**, Somayeh Igder, Seyed Reza Naeimi Torshizi, Amir Mahmoodzadeh, Pooneh Mokarram, Tayyebeh Madrakian, Benedict C Albensi, Marek J Łos, Saeid Ghavami, Stevan Pecic. [Enhancing autophagy in Alzheimer's disease through drug repositioning](https://www.sciencedirect.com/science/article/pii/S0163725822000651). Pharmacology & therapeutics. 2022, Volume 237; Pages 108171. *)Impact factor:12.000)*

29- Leila Oudbor, Zohreh Mokhtari, **Sanaz Dastghaib**, Pooneh Mokarram, Huda Fatima Rajani, Mahdi Barazesh, Siamak Salami. [Aqueous extract of *Stevia rebaudiana* (Bertoni) Bertoni abrogates death‐related signaling pathways via boosting the expression profile of oxidative defense systems](https://onlinelibrary.wiley.com/doi/abs/10.1111/jfbc.14151). ournal of Food Biochemistry. 2022, Volume 46; Issue 7, Pages e14151.

30- **Sanaz Dastghaib**, Fatemeh Gholizadeh, Pooneh Mokaram, Ali Noorafshan. [Stevia aquatic extract protects the pancreas from streptozocin (STZ) induced damage: A stereological study](http://op.niscpr.res.in/index.php/IJEB/article/view/35447/0). Indian Journal of Experimental Biology (IJEB). 2022, Volume 60; Issue 05, Pages 299-307.

31- Marzieh Nemati, Narges Karbalaei, Pooneh Mokarram, Farzaneh Dehghani, **Sanaz Dastghaib**, Zohre Aghaei. [Cotransplant with pancreatic islet homogenate improved survival and long-term efficacy of islet transplant in streptozotocin-diabetic rats](http://www.ectrx.org/detail/archive/2022/20/2/0/164/0). Experimental and Clinical Transplantation: Official Journal of the Middle East Society for Organ Transplantation. 2022, Volume 20; Issue 2, Pages 164-172.

**2021**

32- Pooneh Mokarram, Maryam Niknam, Mohammadamin Sadeghdoust, Farnaz Aligolighasemabadi, Morvarid Siri, **Sanaz Dastghaib**, Hassan Brim, Hassan Ashktorab. [PIWI interacting RNAs perspectives: a new avenues in future cancer investigations](https://www.tandfonline.com/doi/abs/10.1080/21655979.2021.1997078). BIOENGINEERED. 2021, VOL. 12, NO. 2, 10401–10419. *)Impact factor:4.200)*

33- Morvarid Siri, Hamid Behrouj, **Sanaz Dastghaib**, Mozhdeh Zamani, Wirginia Likus, Sedigheh Rezaie, Jacek Hudecki, Saeed Khazayel, Marek J Łos, Pooneh Mokarram, Saeid Ghavami. [Casein Kinase-1-alpha inhibitor (D4476) sensitizes microsatellite instable colorectal cancer cells to 5-fluorouracil via authophagy flux inhibition](https://link.springer.com/article/10.1007/s00005-021-00629-2). Archivum Immunologiae et Therapiae Experimentalis. 2021, Volume 69, Pages 1-16. *)Impact factor:2.900)*

34- Farhad Koohpeyma, Morvarid Siri, Shaghayegh Allahyari, Marzieh Mahmoodi, Forough Saki, **Sanaz Dastghaib.** [The effects of L-carnitine on renal function and gene expression of caspase-9 and Bcl-2 in monosodium glutamate‐induced rats](https://link.springer.com/article/10.1186/s12882-021-02364-4). BMC nephrology. 2021, Volume 22, Pages 1-11. *)Impact factor:2.200)*

35- Payam Peymani, Tania Dehesh, Farnaz Aligolighasemabadi, Mohammadamin Sadeghdoust, Katarzyna Kotfis, Mazaher Ahmadi, Parvaneh Mehrbod, Pooya Iranpour, **Sanaz Dastghaib**, Ahmad Nasimian, Amir Ravandi, Biniam Kidane, Naseer Ahmed, Pawan Sharma, Shahla Shojaei, Kamran Bagheri Lankarani, Andrzej Madej, Nima Rezaei, Tayyebeh Madrakian, Marek J Los, Hagar Ibrahim Labouta, Pooneh Mokarram, Saeid Ghavami. [Statins in patients with COVID-19: a retrospective cohort study in Iranian COVID-19 patients](https://link.springer.com/article/10.1186/s41231-021-00082-5). Translational medicine communications. 2021, Volume 6; Pages 1-14.

36- **Sanaz Dastghaib**, Pooneh Mokarram, Mehran Erfani, Saeid Ghavami, Seyed Vahid Hosseini, Mozhdeh Zamani. [Endoplasmic reticulum Metallo protease 1, a triggering factor for unfolded protein response and promising target in colorectal cancer](https://link.springer.com/article/10.1007/s11756-021-00769-y). Biologia. 2021, Volume 76; Issue 8, Pages 2403-2411. *)Impact factor:1.400)*

37- Mozhdeh Zamani, **Sanaz Dastghaib**, Mehran Erfani, Seyed Vahid Hosseini, Pooneh Mokarram. [The Role of Endoplasmic Reticulum Metallo Protease 1 on Autophagy Pathway in HCT-116 Colorectal Cancer Cell Line](https://colorectalresearch.sums.ac.ir/article_47640.html). Iranian Journal of Colorectal Research. 2021, Volume 9; Issue 2, Pages 63-68.

38-Morvarid Siri, **Sanaz Dastghaib**, Mozhdeh Zamani, Nasim Rahmani-Kukia, Kiarash Roustai Geraylow, Shima Fakher, Fatemeh Keshvarzi, Parvaneh Mehrbod, Mazaher Ahmadi, Pooneh Mokarram, Kevin M Coombs, Saeid Ghavami. [Autophagy, unfolded protein response, and neuropilin-1 cross-talk in SARS-CoV-2 infection: What can be learned from other coronaviruses](https://www.mdpi.com/1422-0067/22/11/5992). International Journal of Molecular Sciences. 2021, Volume 22; Issue 11, Pages 5992. *)Impact factor:4.900)*

39- F Koohpeyma, **S Dastghaib**, F Saki, G Ranjbar Omrani, M Mahmoodi. [P-96 The effect of probiotic Bifidobacterium longum on testis tissue and testosterone hormone in alloxan-diabetic rats](https://scholar.google.com/scholar?cluster=10585628695624014276&hl=en&oi=scholarr). International Journal of Reproductive BioMedicine. 2021, Volume 19; Issue 5, Pages 263-263. *)Impact factor:1.600)*

40- **Sanaz Dastghaib**, P Sravan Kumar, Sajjad Aftabi, Gautam Damera, Azadeh Dalvand, Adel Sepanjnia, Mohammad Kiumarsi, Mohamad-Reza Aghanoori, Sukhwinder Singh Sohal, Sudharsana R Ande, Javad Alizadeh, Pooneh Mokarram, Saeid Ghavami, Pawan Sharma, Amir A Zeki. [Mechanisms targeting the unfolded protein response in asthma](https://www.atsjournals.org/doi/abs/10.1165/rcmb.2019-0235TR). American Journal of Respiratory Cell and Molecular Biology. 2021, Volume 64; Issue 1, Pages 29-38. *)Impact factor:5.900)*

**2020**

**41-** Amiri S, **Dastghaib S**, Ahmadi M, Mehrbod P, Khadem F, Behrouj H, Aghanoori MR, Machaj F, Ghamsari M, Rosik J, Hudecki A. Betulin and its derivatives as novel compounds with different pharmacological effects. *Biotechnology advances. 2020 Jan 1; 38:107409. (Impact factor;13.8, 15 citations).*

**42- Dastghaib** S; Sohal, Sukhwinder; Aftabi, S; Gautam D; Dalvand,A; Sepanjnia, A; Kiumarsi, M; Aghanoori, M; Kumar, P.; Ande, Sudharsana; Alizadeh, J; Mokarram, P; Ghavami, S; Sharma, Pawan; Zeki, A. Mechanisms Targeting the Unfolded Protein Response in Asthma.*2019, American Journal of Respiratory Cell and Molecular Biology. (Impact factor 5.373)*

**43-Dastghaib S**, Shojaei S, Mostavavi-Pour Z, Sharma P, Patterson J, Samali A, Mokarram P, Ghavami S\*

Simvastatin induces Unfolded Protein Response and Enhances Temozolomide-induced Cell Death in Glioblastoma Cells. *2020, Submitted to cells. )Impact factor 4.829)*

**44- Dastghaib S**, Shahsavar Z, Karimian Z, Mokaram P \*. Modified Method for RNA Extraction of Rat Pancreatic. *2020, JoVE Journal. JoVE61255R1. (Impact factor 1.050)*

**45**- Bayat E, Rahpeima Z, **Dastghaib S**, Gholizadeh F, Erfani M, Asadikaram G, Mokarram P. Stevia rebaudiana extract attenuate metabolic disorders in diabetic rats via modulation of glucose transport and antioxidant signaling pathways and aquaporin‐2 expression in two extrahepatic tissues. *Journal of Food Biochemistry. 2020 Jun 9:e13252.(Impact factor;1.662, 1 citation).*

**46-** Siri M, Hosseini SV, **Dastghaib S**, Mokarram P. Crosstalk Between ER Stress, Unfolded Protein Response (UPR) and Wnt Signaling Pathway in Cancer. *Annals of Colorectal Research. 2020 Mar 1;8(1):1-8.*

**2019**

**47**- Zamani M, Hosseini SV, Behrouj H, Erfani M, **Dastghaib S**, Ahmadi M, Shamsdin SA, Mokarram P. BDNF Val66Met genetic variation and its plasma level in patients with morbid obesity: A case-control study. *Gene. 2019 Jul 15; 705:51-4.(Impact factor;3.331,3 citation).*

**48**- Gholizadeh F, **Dastghaib S**, Koohpeyma F, Bayat E, Mokarram P. The protective effect of Stevia rebaudiana Bertoni on serum hormone levels, key steroidogenesis enzymes, and testicular damage in testes of diabetic rats. *Acta histochemica. 2019 Oct 1;121(7):833-40. (Impact factor;2.107,2 citation).*

**2018**

**49- Dastghaib, S**. "Evaluation of Endoplasmic Reticulum Stress Mechanism and Unfold Protein Response Signaling in Cancer." *Sadra medical sciences journal (2018): 317-330.*

**50**- Gholizadeh F, Mokarram P, **Dastgheib S**, Rahpeima Z. The effect of the aquatic extract of Stevia on the MDA level and catalase activity in the testicular tissue of streptozotocin-nicotinamide-induced diabetic rats. *Shiraz E-Medical Journal. 2018 Sep;19(9).*

**2017**

**51-** Bayat E, Dastgheib S , Egdar S, Mokarram P. [Effect of the aquatic extract of stevia on the serum level of interleukin-6 in streptozotocin-nicotinamide induced diabetic rats](http://scholar.google.com/scholar?cluster=7597774497972737547&hl=en&oi=scholarr). *Shiraz E-Med J. 2017 Feb 1;18(2).*

**2016**

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**Book Chapter:**

1- **Dastghaib S**, Afkhami A, Mokarram P, Madrakian T, Ahmadi M. Smart nanocarriers in glucose transporters-targeted delivery of anticancer drugs. In Smart Nanocontainers 2020 Jan 1 (pp. 251-269). Elsevier.

**Collaboration in thesis as scientific and practical advisor**

**1**- The role of UPR and autophagy cascades in coronavirus infections. Executor of research project: Dr. Pooneh Mokaram.22294-01-01-1399

**2**- The effect of angiotensin-converting enzyme inhibitors (ACEIs), angiotensin receptor blockers (ARBs) and statins on COVID-19 infection complications and prognosis: a retrospective study COVID19. Executor of research project: Dr.Pooneh Mokaram.22329-124-01-99

**3**- Effect of D4476 as Casein kinase1 alpha inhibitor on 5‑fluorouracil (5-FU) sensitivity in HCT116 human colorectal cancer cell line. Executor of research project: Dr.Pooneh Mokaram 18115-01-01-1397

**4**-Inhibition of human ERMP1 gene using specific siRNA in colorectal cancer cell line and evaluation of its effect on UPR system. Executor of research project: Dr. Mozhdeh Zamani. 1396-01-69-16117

**5**-Evaluation of the effect of ERMP1 protein on autophagy activity in colorectal cancer cell line

By its inhibition using specific siRNA. Executor of research project: Dr. Mozhdeh Zamani. 1396-01-69-16103

**6**- Effect of CPUK02 on the unfolded protein response (UPR) in human colorectal cancer cell lines.

Executor of research project: Dr.Pooneh Mokaram. 16693-01-01-1396

**7**- The effect of *Stevia* aquatic extract on the level of sera testosterone, LH and Star, P450 scc, 17 beta-HSD3 gene expression, MDA level, Catalase activity in testis of diabetic rats induced by STZ. Executor of research project: Dr.Pooneh Mokaram. 11292-01-01-95

**8**-The stereological studies and effect of *Stevia* aquatic extract on mRNA expression of Nrf2, Leap1, AQP2 genes in diabetic rat’s kidney induced by STZ. Executor of research project: Dr.Pooneh Mokaram. 11421-01-01-95

**9**-The protective and prevention effects of *Stevia* aquatic extract on the pancreas of diabetic rats with stereological study. Executor of research project: Dr. Pooneh Mokaram, Dr. noorafshan. 7178-01-01-93

**10-**The effect of aquatic extract of *Stevia* on Glut4, Snap23 and Syntaxin 4 gene expression in skeletal muscle and the level of serum IL6 in diabetic rats induced by STZ. Executor of research project: Dr.Pooneh Mokaram. 9136-01-01-94

**11**-The effect of aquatic extract of *Stevia* on apoptotic signaling in pancreas of diabetic rats.

Shahid beheshti University of medical sciences. Executor of research project: Dr. Siamak Salami, Dr. Pooneh Mokaram.

**12**- Frequency of red cell enzymopathies in patients with hemolytic anemia in southern Iran. Executor of research project: Dr. Mehran Karimi.

**Selected Abstracts in National or International Congress**

**1-Sanaz Dastgheib**, Pooneh Mokarram, Saeid Ghavami. (29th August 2018). Linking ER-stress to Autophagy by UPR Potential Implications for Cancer Therapy. **Oral presentation**. The International Autophagy One Day Seminar held by Health Policy Research Center and Autophagy Research Center of Shiraz University of Medical Sciences. Shiraz, Iran.

**2-Sanaz Dastgheib**, Pooneh Mokarram, Saeid Ghavami. (25-28 August 2018). Simvastatin and Temozolomide Co-treatment induce cell death in Glioblastoma cell lines. **Poster Presentation**. 15th Iranian Congress of Biochemistry & 6th International Congress of Biochemistry and Molecular Biology, Isfahan, Iran.

**3-Sanaz Dastgheib**, Pooneh Mokarram, Raheleh Asaee. (16-19 April 2013). The evaluation of anti-diabetic effect of Stevia Rebaudiana Bertoni. **Poster Presentation**.13th Iranian Congress of Biochemistry & 5th International Congress of Biochemistry and Molecular Biology, Yazd, Iran.

**4**-Raheleh Assaei, Gholam Hossein Ranjbar Omrani, Zohreh Mostafavi-Pour, **Sanaz Dastgheib**

(16-19 April 2013).Lipid peroxidation and Satureja khuzestanica essential oil (SKEO)-

Supplementation in experimental hyperthyroidism. **Poster Presentation**. 13th Iranian Congress of Biochemistry & 5th International Congress of Biochemistry and Molecular Biology, Yazd, Iran.

**5**-Nasrin Nasseri. Parvin Zareian. Farhad Koohpeyma. **Sanaz Dastgheib** (23-27 August 2013).The study of effects pathophysiology of Garlic-juice on hypophysial Gonadal Axis hormones compares with Metformin in Streptozotocin-induced diabetic female rats. **Poster Presentation**.21th international Iranian congress of physiology and pharmacology. Tabriz University of medical sciences.

**6**-Dr.kazerooni, **Sanaz Dastgheib** (April 2006).HbA1C test on dried blood spot (DBS). The fifth national congress on improving the quality in clinical laboratories. **Poster Presentation**. International Federation of Clinical Chemistry and Laboratory Medicine (IFCC).

**TEACHING**

**Under Graduate teaching**

During PhD, 2016-2020, I participated as an assistant teacher at Department of Biochemistry around 16 hours in 4 semesters for lectures entitled “Plasma Proteins disorders” and “Hb structure and disorders related to Hb”. During this course, the trainees were familiarized with concepts of several disorders in plasma proteins and different hemoglobinopathies. Finally, I did my duties as exam coordinator and proofreading papers and score announcement.

Furthermore, I taught the practical section of biochemistry in laboratory for Medical and dentistry students for 8 semesters. During this course, the Medical students were familiarized with routine instruments also concepts how to measure the level of biochemical tests in serum.

**Graduate teaching**

During PhD, 2016-2020, I participated in assistant teaching position for presenting technical courses for MSc students in Biochemistry and Parasitology. During this course the trainees are familiarized with concepts of Western blot analysis, Cell culture, ELISA and PCR. I also contributed in summer school program (2018-2019) which was provided by postgraduate education to teach Cell culture and PCR techniques.

**Certificate of participation in researches: (attached files)**

-Endocrine & Metabolism research center, Shiraz University of medical sciences.

-Gasteroentrohepatology research center, Shiraz University of medical sciences.