

# Zeynab Yousefi

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[LinkedIn](#) | [Publications](#)

EDUCATION	<ul style="list-style-type: none"><li><b>PhD., Clinical Biochemistry</b> Sep 2019 to Dec 2024 <i>Tarbiat Modares University, Tehran, Iran.</i></li></ul>
	<ul style="list-style-type: none"><li><b>M.Sc., Clinical Biochemistry</b> Oct 2015- Jul 2018 <i>Iran University of Medical Science, Tehran, Iran.</i></li></ul>
	<ul style="list-style-type: none"><li><b>B.Sc., General Biology</b> Oct 2010 - June 2014 <i>Shahid Chamran University, Ahvaz, Iran</i></li></ul>
PROFESSIONAL EXPERIENCE	<ul style="list-style-type: none"><li><b>Research Assistant Professor</b> July 2025 to Present Providing new insight into Liver diseases using in vitro and in vivo modeling to introduce novel therapeutic targets and diagnostic markers <i>Shahid Beheshti University of Medical Sciences, Research Institute for Gastroenterology and Liver Diseases, Tehran, Iran</i></li></ul>
	<ul style="list-style-type: none"><li><b>Research Assistant</b> Mar 2022 To Des 2024 <i>Tarbiat Modares University</i></li></ul>
RESEARCH EXPERIENCE	<ul style="list-style-type: none"><li><b>Research Assistant</b> Mar 2016-Jul 2019 <i>Iran University of Medical Science</i></li></ul>
FIELD OF INTERESTS	Liver Diseases, Metabolic Diseases, Molecular Biology, Bioinformatics, Computational Analysis.
PUBLICATIONS AND PAPERS	<ol style="list-style-type: none"><li>Pouria Kiani, Elaheh Sadat Khodadadi, Ali Nikdasti, Sahar Yarahmadi, Mobina Gheibi, <b>Zeynab Yousefi</b>, Sajad Ehtiati, Sheida Yahyazadeh, Sayed Mohammad Shafiee, Motahareh Taghizadeh, Somayeh Igder, Seyyed Hossein Khatami, Saeed Karima, Omid Vakili, Morteza Pourfarzam. “Autophagy and the peroxisome proliferator-activated receptor signaling pathway: A molecular ballet in lipid metabolism and homeostasis” <i>Journal of Molecular and cellular biochemistry</i>, 2025 "REVIEW ARTICLE".</li><li><b>Yousefi Z</b>, et. al. “Autophagy and the unfolded protein response shape the non-alcoholic fatty liver landscape: decoding the labyrinth” <i>Journal of Metabolism</i>, 2024 "REVIEW ARTICLE", (Q1. IF=10.8).</li><li><b>Yousefi Z</b>, et. al. “microRNA-141 is associated with hepatic steatosis by downregulating the sirtuin1/AMP-activated protein kinase pathway in hepatocytes” <i>Journal of Cellular Physiology</i>, 2020. (Q1. IF=6.38).</li><li><b>Yousefi Z</b>, et. al. “Pirfenidone Downregulates eIF6, P311, and TGF-β Expression and Improves Liver Fibrosis Induced by Bile Duct Ligation in Wistar Rats: Evidence for Liver Regeneration” <i>Journal of DNA and Cell Biology</i>, 2024. (Q2. IF=2.5).</li><li>Nikta Dadkhah Nikroo, Habib Jafarinejad, <b>Zeynab Yousefi</b>, Zohreh Abdolvahabi, Mojtaba Malek, Pejman Mortazavi, Abdolreza Pazouki, Somayeh Mokhber, Mitra Nourbakhs. “Elevated mir-141 in obesity: Insights into the interplay with sirtuin 1 and non-alcoholic fatty liver disease” <i>Obesity Science &amp; Practice</i>. 2024. (Q2. IF=2).</li><li>Nima Taghizadeh, Soha Mohammadi, <b>Zeynab Yousefi</b>, Pegah Golpour, Alemeh Taheri, Mohammad Hasan Maleki, Mitra Nourbakhsh, Mona Nourbakhsh, Maryam Razzaghy Azar, “Assessment of global histone acetylation in pediatric and adolescent obesity: Correlations with SIRT1 expression and metabolic-inflammatory profiles” <i>Journal of Plos one</i>, 2023. (Q1. IF=2.9).</li><li>Sahar Yarahmadi, Mohammadjavad Sotoudeheian, Navid Farahmandian, Yaser Mohammadi, Mehdi Koushki, Esmaeel Babaeenezhad, <b>Zeynab Yousefi</b>, Soudabeh Fallah, “Effect of resveratrol on key signaling</li></ol>

pathways including SIRT1/AMPK/Smad3/TGF- $\beta$  and miRNA-141 related to NAFLD in an animal model” *Research in Pharmaceutical Sciences*, 2025.

8. Sahar Yarahmadi, Zohreh Abdolvahabi, Zahra Hesari, Masoumeh Tavakoli-Yaraki, **Zeynab Yousefi**, Parvaneh Seiri, Saman Hosseinkhani, Mitra Nourbakhsh, “Inhibition of sirtuin 1 deacetylase by miR-211-5p provides a mechanism for the induction of cell death in breast cancer cells” *Gene*, 2019. (Q2. IF=3).
9. Zohreh Abdolvahabi, Mitra Nourbakhsh, Saman Hosseinkhani, Zahra Hesari, Mohsen Alipour, Meisam Jafarzadeh, Seyedeh Sara Ghorbanhosseini, Parvaneh Seiri, **Zeynab Yousefi**, Sahar Yarahmadi, Pegah Golpour, “MicroRNA-590-3P suppresses cell survival and triggers breast cancer cell apoptosis via targeting sirtuin-1 and deacetylation of p53” *Journal of Cellular Biochemistry*, 2019, (Q2. IF=4.237).
10. Zahra Hesari, Mitra Nourbakhsh, Saman Hosseinkhani, Zohreh Abdolvahabi, Mohsen Alipour, Masoumeh Tavakoli-Yaraki, Seyedeh Sara Ghorbanhosseini, **Zeynab Yousefi**, Meisam Jafarzadeh, Sahar Yarahmadi, Down-regulation of NAMPT expression by mir-206 reduces cell survival of breast cancer cells” *Gene*, 2018, (Q2. IF=3).
11. Samira Ezzati-Mobaser, Sahar Yarahmadi, Nikta Dadkhah Nikroo, Mohammad Hasan Maleki, **Zeynab Yousefi**, Pegah Golpour, Mona Nourbakhsh, Mitra Nourbakhsh, “ Adipose triglyceride lipase gene expression in peripheral blood mononuclear cells of subjects with obesity and its association with insulin resistance, inflammation and lipid accumulation in liver” *Journal of Obesity Science & Practice*, 2024, (Q2. IF=2.2).
12. Mohammad Borji, Mitra Nourbakhsh, Sayed Mohammad Shafiee, Ali Akbar Owji, Zohreh Abdolvahabi, Zahra Hesari, Davod Ilbeigi, Parvaneh Seiri, **Zeynab Yousefi**. “Down-Regulation of SIRT1 Expression by mir-23b Contributes to Lipid Accumulation in HepG2 Cells” *Biochemical genetics* , 2019, (IF=2.027).
13. Seyedeh Sara Ghorbanhosseini, Mitra Nourbakhsh, Mohammad Zangoeei, Zohreh Abdolvahabi, Zahra Bolandghamtpour, Zahra Hesari, **Zeynab Yousefi**, Ghodratollah Panahi, Reza Meshkani, “MicroRNA-494 induces breast cancer cell apoptosis and reduces cell viability by inhibition of nicotinamide phosphoribosyltransferase expression and activity” *EXCLI journal* ,2019, (Q1. IF=2.837).
14. Mohammad Borji, Nikta Dadkhah Nikroo, **Zeynab Yousefi**, Mona Nourbakhsh, Zohreh Abdolvahabi, Mitra Nourbakhsh, Bagher Larijani, Maryam Razzaghy-Azar, “The expression of gene encoding carbohydrate response element binding protein in obesity and its relationship with visceral adiposity and metabolic syndrome” *Human Gene*, 2022, (IF=0.5).

## TEACHING EXPERIENCE

### *Iran University of Medical Science*

- Teaching Assistant–Cell Culture Theory May 2019
- Teaching Assistant–Cell Culture Theory Jul 2017
- Teaching Assistant–Nucleotide Metabolism (TBL Teaching Method) Feb 2016 to Jul 2016
- Teaching Assistant–Medical Biochemistry Spring 2015

## COMPUTING SKILLS

Office Package, GraphPad Prism, ImageJ, Primer-BLAST (NCBI- Oligo7), LaTeX, FlowJo.