

CURRICULUM VITAE

CONTACT INFORMATION:

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PERSONAL INFORMATION:

Citizenship: Iranian
Education: DVM/PhD (clinical biochemistry)
Sex: Male

EMPLOYMENT HISTORY

- Assistant Professor, Urmia University of Medical Sciences, Urmia, Iran (2024-2025)

EDUCATION

- Study of clinical biochemistry (Ph.D) in Tabriz University of Medical Sciences, Tabriz-Iran. (2014-2018). Thesis title: Protective effects AGE-RAGE axis inhibition using FPS-ZM1 against diabetic nephropathy in STZ-induced diabetic rats.
- Study of Veterinary Medicine, (DVM) in School of Veterinary Medicine, Urmia University, Urmia-Iran (2005-2011).

PUBLICATIONS:

- 1- Ahmad SNS, Nourollahi S, Kazerouni F, Kianmehr N, Hajipour H, Sanajou D, et al. (2018). Investigation of the relation between bone mass density and serum preptin levels in pre-and postmenopausal women. Journal of Bone and Mineral Metabolism, 36, 710-715.
- 2- Askarian F, Ghorbani Haghjo A, Argani H, Sanajou D, Nasehi N, Askarian R, et al. (2018). Soluble Tumor Necrosis Factor Like Weak Inducer of Apoptosis and Vitamin D in Hemodialysis Patients: Relation to Carotid Intima-Media Thickness. Indian Journal of Clinical Biochemistry, 33, 297-303.
- 3- Sanajou D, Ghorbani A, Argani H, et al. (2018). FPS-ZM1 and valsartan combination protects better against glomerular filtration barrier damage in streptozotocin-induced diabetic rats. Journal of Physiology and Biochemistry, 74, 467-478.
- 4- Sanajou D, Ghorbani A, Argani H, et al. (2018). Age-rage axis blockade in diabetic nephropathy: Current status and future directions. European Journal of Pharmacology, 833, 158-164.
- 5- Ahmad SNS, Rashtchizadeh N, Argani H, Roshangar L, Ghorbani A, Sanajou D, et al. (2018). Dunnione protects against experimental cisplatin-induced nephrotoxicity by modulating NQO1 and NAD⁺ levels. Free Radical Research, 52, 808-817.

- 6- Ghorbani A, Argani H, Golmohamdi Z, Rashtchizadeh N, Abbasi M, Sanajou D, et al. (2018). Linkage of Fibroblast Growth Factor 23 and Phosphate in Serum: Phosphate and Fibroblast Growth Factor 23 Reduction by Increasing Dose of Sevelamer. *Journal of Bone Metabolism*, 25, 153-159.
- 7- Golmohamdi Z, Argani H, Ghorbani A, Rashtchizadeh N, Bargahi N, Sanajou D, et al. (2018). Effect of Sevelamer on Serum Levels of Klotho and Soluble Tumor Necrosis Factor-like Weak Inducer of Apoptosis in Rats with Adenine-induced Chronic Kidney Disease. *Iranian journal of kidney diseases*, 12, 281-287.
- 8- Sanajou D, Ghorbani A, Argani H, et al. (2019). Reduction of renal tubular injury with a RAGE inhibitor FPS-ZM1, valsartan and their combination in streptozotocin-induced diabetes in the rat. *European Journal of Pharmacology*, 842, 40-48.
- 9- Sanajou D, Ahmad SNS, Hosseini V, et al. (2019). β -Lapachone protects against doxorubicin-induced nephrotoxicity via NAD⁺/AMPK/NF- κ B in mice. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 392, 633-640.
- 10- Ahmad SNS, Rashtchizadeh N, Argani H, Roshangar L, Ghorbani A, Sanajou D, et al. (2019). Tangeretin protects renal tubular epithelial cells against experimental cisplatin toxicity. *Iranian Journal of Basic Medical Sciences*, 22, 179-186.
- 11- Ashrafi Z, Ghorbani A, Argani H, Roshangar L, Rashtchizadeh N, Sanajou D, et al. (2019). Empagliflozin alleviates renal inflammation and oxidative stress in streptozotocin-induced diabetic rats partly by repressing HMGB1-TLR4 receptor axis. *Iranian Journal of Basic Medical Sciences*, 22, 384-390.
- 12- Rashtchizadeh N, Argani H, Sanajou D, et al. (2019). AMPK: a promising molecular target for combating cisplatin toxicities. *Biochemical Pharmacology*, 163, 94-100.
- 13- Kalantary-Charvadeh A, Sanajou D, Hemmati-Dinarvand M, et al. (2019). Micheliolide protects against doxorubicin-induced cardiotoxicity in mice by regulating PI3K/Akt/NF- κ B signaling pathway. *Cardiovascular Toxicology*, 19, 297-305.
- 14- Aslani S, Abhari A, Sakhinia E, Sanajou D, Rajabi H, Rahimzadeh S. (2019). Interplay between microRNAs and Wnt, transforming growth factor- β , and bone morphogenic protein signaling pathways promote osteoblastic differentiation of mesenchymal stem cells. *Journal of Cellular Physiology*, 234, 8082-8093.
- 15- Bahrambeigi S, Sanajou D, Shafiei-Irannejad V. (2019). Major fundamental factors hindering immune system in defense against tumor cells: The link between insufficiency of innate immune responses, metabolism, and neurotransmitters with effector immune cells disability. *Immunology Letters*, 212, 81-87.
- 16- Rashedi J, Ghorbani A, Mesgari M, Dastranj A, Yaqoubi S, Sanajou D, et al. (2019). Anti-Tumor Effect of Quercetin Loaded Chitosan Nanoparticles on Induced Colon Cancer in Wistar Rats. *Advanced Pharmaceutical Bulletin*, 9, 409-415.
- 17- Ahmad SNS, Nourollahi S, Nakhjavani M, Khojastehfard M, Hajipour H, Sanajou D. (2019). Preptin and Myostatin Independently Increase in Pre-Diabetics and Patients of Type 2 Diabetes Mellitus. *Acta Medica Iranica*, 57, 160-166.
- 18- Panah F, Ghorbani A, Argani H, Haiaty S, Rashtchizadeh N, Sanajou D, et al. (2019). The effect of oral melatonin on renal ischemia–reperfusion injury in transplant patients: A double-blind, randomized controlled trial. *Transplant Immunology*, 57, 101241
- 19- Jabarpour M, Rashtchizadeh N, Argani H, Ghorbani A, Sanajou D, et al. (2019). The impact of dyslipidemia and oxidative stress on vasoactive mediators in patients with renal dysfunction. *International Urology and Nephrology*, 51, 2235-2242.

- 20- Ashrafi Z, Ghorbani A, Argani H, Roshangar L, Rashtchizadeh N, Sanajou D, et al. (2020). Empagliflozin Attenuates Renal and Urinary Markers of Tubular Epithelial Cell Injury in Streptozotocin-induced Diabetic Rats. *Indian Journal of Clinical Biochemistry*, 35, 109-114.
- 21- Jabarpour M, Rashtchizadeh N, Ghorbani A, Argani H, Nemati M, Dastmalchi, Sanajou D. (2020). Protection of renal damage by HMG-CoA inhibitors: A comparative study between atorvastatin and rosuvastatin. *Iranian Journal of Basic Medical Sciences*, 23, 206-212.
- 22- Ahmad SNS, Sanajou D, Kalantary-Charvadeh A, et al. (2020). β -LAPachone ameliorates doxorubicin-induced cardiotoxicity via regulating autophagy and Nrf2 signalling pathways in mice. *Basic & Clinical Pharmacology & Toxicology*, 126, 364-373.
- 23- Ashrafi Z, Ghorbani A, Argani H, Sanajou D. (2020) Sodium-glucose co-transporters and diabetic nephropathy: Is there a link with toll-like receptors? *Clinical and Experimental Pharmacology and Physiology* 47, 919-926.
- 24- Rajabi H, Aslani S, Abhari A, Sanajou D. (2020) Expression profiles of microRNAs in stem cells differentiation. *Current Pharmaceutical Biotechnology* 21, 906-918.
- 25- Sanajou D, Bahrambeigi S, Aslani S. (2021) β -LAPachone is renoprotective in streptozotocin-induced diabetic mice via regulating the PI3K/Akt/mTOR signaling pathway. *Iranian Journal of Basic Medical Sciences* 24, 650-656.
- 26- Asgharzadeh M, Sanajou D, Samadi Kafil H, Farhoudi M. (2021) Interleukin-10 Promoter and the CCR5 Polymorphisms in Iranian Azari Population with Multiple Sclerosis. *Iranian Journal of Immunology* 18, 241-248.
- 27- Serati-Nouri H, Mahmoudnezhad A, Bayrami M, Sanajou D, Tozihi M. (2021) Sustained delivery efficiency of curcumin through ZSM-5 nanozeolites/electrospun nanofibers for counteracting senescence of human adipose-derived stem cells. *Journal of Drug Delivery Science and Technology* 66, 102902.
- 28- Aslani S, Bahrambeigi S, Sanajou D. (2022) FPS-ZM1 Alleviates Circulating Indices of Liver Injury in Diet-Induced Type 2 Diabetic Mice. *Acta Medica Iranica* 20, 40-45.

RESEARCH INTERESTS

Diabetic nephropathy

Nephrotoxicity

Ischemic Nephropathy