

Mohammad Hadi Nematollahi

**Ph.D. in Clinical Biochemistry, Kerman University of Medical Sciences,
Kerman, Iran**

▪ PERSONAL INFORMATION

- o First Name **Mohammad Hadi**
- o Last Name **Nematollahi**
- o Nationality **Iranian**
- o Birth Date **24. 3. 1985**
- o place of birth **Tehran**
- o Marital Status **Married**
- o E-mail **mh.nematollahi@yahoo.com**
- o Mailing address
↳ Dept. of clinical biochemistry, Kerman University of Medical Sciences, PO
Box, 76175-493, Iran, Telephone: **+98-913 356 3740**

▪ ACADEMIC DEGREE

- o **Ph.D.** (Clinical biochemistry)
Kerman University of Medical Sciences, Kerman, Iran. 2012-2017.
Thesis: Development of a hybrid carrier Niosome-VSVG and investigation of its therapeutic effect in transfer and gene expression of GDNF in in-vitro model of Parkinson's disease".
- o **D.V.M.** (Veterinary Medicine)
Shahid Bahaonar University, Kerman, Iran. 2004-2010
Thesis: Healing potential of *Plantago Lanceolata* on collagenase induce tendinitis

■ RESEARCH EXPERIENCE

- o Cloning and sub-cloning
- o Protein reconstitution
- o Fusion assay
- o Virosome, liposome & niosome preparation
- o Transfection and transformation
- o Western blotting
- o Real time PCR and conventional PCR
- o Polymorphism RFLP and HRM
- o Protein extraction
- o Vector manipulation
- o Cell culture
- o Mesenchymal stem cell isolation
- o Plant extraction
- o Essential oil extraction
- o Working with lab animals

■ TEACHING EXPERIENCES

- o General biochemistry
- o Signal transduction
- o Gene delivery

■ PUBLICATIONS

- 1- Ahmadi Z, Moradabadi A, Abdollahdokht D, Mehrabani M, & **Nematollahi MH**. Association of environmental exposure with hematological and oxidative stress alteration in gasoline station attendants. *“Environmental Science and Pollution Research”*, 2019. (*Corresponding author*)
- 2- Mohammadpour-Gharehbagh A, Eskandari M, Sadegh MH, **Nematollahi MH**, Rezaei M, Rasouli A, & Salimi S. Genetic and epigenetic analysis of the BAX and BCL2 in the placenta of pregnant women complicated by preeclampsia. *“Apoptosis”*, 2019.
- 3- Asadikaram G, Ram M, Izadi A, Sheikh Fathollahi M, **Nematollahi MH**, Najafipour H, & Arababadi MK. The study of the serum level of IL-4, TGF- β , IFN- γ , and IL-6 in overweight patients with and without diabetes mellitus and hypertension. *“Journal of cellular biochemistry”*, 2019.
- 4- Bazmandegan G, Amirteimoury M, Kaeidi A, Shamsizadeh A, Khademalhosseini M, **Nematollahi MH**, & Fatemi I. Sumatriptan ameliorates renal injury induced by cisplatin in mice. *“Iranian Journal of Basic Medical Sciences”*, 2019.

- 5- Asadikaram G, Khaleghi E, Sayadi A, Foulady S, Ghasemi MS, Abolhassani M, & **Nematollahi MH**. Assessment of hormonal alterations in major depressive disorder: A clinical study. "*PsyCh journal*", 2019. (*Corresponding author*)
- 6- Paydar P., Asadikaram G., Nejad HZ, Akbari H, Abolhassani M, Moazed V, **Nematollahi MH** & Fallah H. Epigenetic modulation of BRCA-1 and MGMT genes, and histones H4 and H3 are associated with breast tumors. "*Journal of cellular biochemistry*", 2019.
- 7- Amiri K, Davarani SN, Mehrabani M, **Nematollahi MH**, Harandi MF. In vitro evaluation on the scolicidal effect of *Myrtus communis* L. and *Tripleurospermum disciforme* L. methanolic extracts. *Experimental parasitology*. 2019. (*Corresponding author*)
- 8- Barani M, **Nematollahi MH**, Zaboli M, Mirzaei M, Torkzadeh-Mahani M, Pardakhty A, & Karam G. A. In silico and in vitro study of magnetic niosomes for gene delivery: The effect of ergosterol and cholesterol. "*Materials Science and Engineering: C*", 2019.
- 9- Barani, M., Mirzaei, M., Torkzadeh-Mahani, M., & **Nematollahi, M. H.** Lawsone-loaded Niosome and its antitumor activity in MCF-7 breast Cancer cell line: a Nano-herbal treatment for Cancer. "*DARU Journal of Pharmaceutical Sciences*" 2018.
- 10- Raeiszadeh, M., Esmaeili-Tarzi, M., Bahrampour-Juybari, K., Nematollahi-mahani, S. N., Pardakhty, A., **Nematollahi, M. H.**, & Mehrabani, M. Evaluation the effect of *Myrtus communis* L. extract on several underlying mechanisms involved in wound healing: An in vitro study. "*South African Journal of Botany*", 2018.
- 11- Paydar, P., Asadikaram, G., Nejad, H. Z., Moazed, V., Poursayedi, B., **Nematollahi, M. H.** & Shadmani, F. K. The Role of Acetylcholinesterase, Paraoxonase, and Oxidative Stress in Breast Tumors. "*International Journal of Cancer Management*" 2018.
- 12- Bartelds R, **Nematollahi MH**, Pols T, Stuart MCA, Pardakhty A, Asadikaram GH, Poolman B. Niosomes, an alternative for liposomal delivery. "*PLoS one*" 2018.
- 13- Samareh Fekri M, Mandegary A, Sharififar F, Poursalehi HR, **Nematollahi MH**, Izadi A, Mehdipour M, Asadi A, Samareh Fekri M. Protective effect of standardized extract of *Myrtus communis* L.(myrtle) on experimentally bleomycin-induced pulmonary fibrosis: biochemical and histopathological study "*Drug and chemical toxicology*" 2018.
- 14- Poursalehi HR; Samareh Fekri M; Sharififar F; Mandegary A; Izadi A; Mahmoodi R; **Nematollahi MH**; Porgholamhosein F; Ghorani V; Samareh Fekri M. Early and late prevention effect of *Nigella sativa* in the bleomycin-induced pulmonary fibroblast in rats: An experimental study. "*Avicenna journal of phytomedicine*" 2018.

- 15- Bahrampour K; Ebrahimi G; Asadikaram Gh; Momeni Moghaddam MA; Torkzadeh-Mahani M; Akbari M; Mirzamohammadi S; Karimi A; **Nematollahi MH**. Evaluation of serum arsenic and its effects on antioxidant alterations in relapsing-remitting multiple sclerosis patients. "**Multiple Sclerosis and Related Disorders**" 2018. (*Corresponding author*)
- 16- **Nematollahi MH**, Torkzadeh-Mahanai M, Pardakhty A, Ebrahimi Meimand HA, Asadikaram Gh. Ternary complex of plasmid DNA with NLS-Mu-Mu protein and cationic niosome for biocompatible and efficient gene delivery: a comparative study with protamine and lipofectamine. "**Artificial Cells Nanomedicine, and Biotechnology**" 2017.
- 17- **Nematollahi MH**, Pardakhty A, Torkzadeh-Mahanai M, Mehrabani M, Asadikaram Gh. Changes in physical and chemical properties of niosome membrane induced by cholesterol: a promising approach for niosome bilayer intervention. "**RSC Advances**" 2017.
- 18- Karimi A, Bahrampour K, Momeni Moghaddam MA, Asadikaram Gh, Ebrahimi Gh, Torkzadeh-Mahani M, Esmaeili Tarzi M, **Nematollahi MH**. Evaluation of lithium serum level in multiple sclerosis patients: a neuroprotective element. "**Multiple Sclerosis and Related Disorders**" 2017. (*Corresponding author*)
- 19- Azmandian J, Mandegary A, Pootari M, **Nematollahi MH**, Ebadzadeh MR, Habibzadeh S, Dehghani-Firouzabadi MH, Etminan A, Fazeli F, Mousavi M. Role of Donors and Recipients' Glutathione S-Transferase Gene Polymorphisms in Association of Oxidative Stress With Delayed Graft Function in Kidney Allograft Recipients. "**Iranian Journal of Kidney Diseases**" 2017.
- 20- Ebrahimi Gh, Asadikaram Gh, Akbari H, **Nematollahi MH**, Abolhassani M, Shahabinejad Gh, Khodadadnejad L, Hashemi M. Elevated levels of DNA methylation at the OPRM1 promoter region in men with opioid use disorder. "**American journal of drug and alcohol abuse**" 2017.
- 21- Akbari H, Maalagh M, Sotoodeh Jahromi A, Karami MY, Mehrabani M, **Nematollahi MH**. Effects of chronic prepubertal stress on serum level of kisspeptin and histopathological changes in the kidney of the male rat. "**Indian journal of experimental biology**" 2017. (*Corresponding author*)
- 22- Sarhadynejad Z, Sharififar F, Pardakhty A, **Nematollahi MH**, Sattaie-Mokhtari S, Mandegary A. Pharmacological safety evaluation of a traditional herbal medicine "Zereshk-e-Saghir" and assessment of its hepatoprotective effects on carbon tetrachloride induced hepatic damage in rats. "**Journal of ethnopharmacology**" 2016.
- 23- Mirzamohammadi S, **Nematollahi MH**, Mehrbani M, Mehrabani M. Ferulic acid pretreatment could improve prognosis of autologous mesenchymal stromal cell transplantation for diabetic neuropathy. "**Cytotherapy**" 2016.
- 24- Mehrabani M, Seyyedkazemi SM, **Nematollahi MH**, Jafari E, Mehrabani M, Mehdipour M, Sheikhshoae Z, Mandegary A. Accelerated burn wound closure in mice with a new formula based on traditional medicine. "**Iranian Red Crescent Medical Journal**" 2016.

- 25- Mehrabani M, Najafi M, Kamarul T, Mansouri K, Iranpour M, **Nematollahi MH**, Ghazi-Khansari M, Sharifi AM. Deferoxamine preconditioning: A promising approach to restore the impaired HIF-1 α mediated angiogenesis mechanisms in adipose-derived stem cells from STZ-induced type 1 diabetic rats. "*Cell Proliferation Journal*" 2015.
- 26- Azmandian J, Mohamadifar M, Rahmanian-Koshkaki S, Mehdipoor M, **Nematollahi MH**, Saburi A, and Mandegary A. Study of the association between the donors and recipients angiotensin-converting enzyme insertion/deletion gene polymorphism and the acute renal allograft rejection. "*Journal of Nephropathology*" 2015.
- 27- Sharififar F, Moshafi MH, Assadipour A, Azampour MJ, **Nematollahi MH**, Assadi-Khanuki A, Mohamadi N. In vitro evaluation of anticholinesterase, antioxidant and antibacterial activity of different fractions of Zataria multiflora Boiss. "*International Journal of Biosciences*" 2015.
- 28- Ghalekhani N, Akhtardanesh B, **Nematollahi MH**, Hooshyar SH, Moini E Serum adenosine deaminase (ADA) levels in chronic feline infections "*Online Journal of Veterinary Research*" 2014.
- 29- Ebrahimi Z, Torkzadeh M, Riahi A, Mortazavi M, **Nematollahi MH**, Parvaresh N. Codon optimization and cytoplasmic expression of human epidermal growth factor (hegf) in shuffle t7 E.coli strain. "*Molecular Biology Research Communications*" 2014.
- 30- Akhtardanesh B, Ghalekhani N, Abshenas J, **Nematollahi MH**, Sharifi H. Serum adenosine deaminase as a diagnostic marker of chronic infectious disease in dogs "*Online Journal of Veterinary Research*" 2013.
- 31- Oloumi MM, Vosough D, Derakhshanfar A, **Nematollahi MH**. The Healing Potential of Plantago lanceolata Ointment on Collagenase-Induced Tendinitis in Burros (Equus asinus). "*Journal of Equine Veterinary Science*" 2011.

▪ PAPER IN PERSIAN

- 1- The Effect of Methanol Extract of Fennel on Bleomycin-Induced Pulmonary Fibrosis in Rats. "*Journal of Kerman University of Medical Sciences*" 2015.
- 2- Effects of Apple (Malus domestica Borkh.) Diet on Rat Reproduction and Sex Ratio of Offsprings "*Journal of Kerman University of Medical Sciences*" 2011.

▪ BOOK PUBLISHING

- 1- Montakhab Yegane H, **Nematollahi MH**, Saravani M, Jafarzadeh A. Translation of Henry's Clinical Diagnosis and Management by Laboratory Methods in Persian 2015.
- 2- Montakhab Yegane H, **Nematollahi MH**, Saravani M, Jafarzadeh A. Translation of Henry's Clinical Diagnosis and Management by Laboratory Methods in Persian. 2017.

▪ PATENTs IN IRAN

- 1- Niosomal giant unilamellar vesicles by electro-formation.
- 2- Chimeric recombinant protein for gene delivery.
- 3- Niosomal virosome preparation with VSV glycoprotein (VSV-G) for drug, gene, and vaccine delivery.
- 4- Electeroformation device for giant vesicle preparation
- 5- Anti-inflammatory ointment from *Plantago Lanceolata* extract

▪ COURSES IN FOREIGN UNIVERSITIES

- 1- Five months period in the membrane enzymology group (Prof. Bert Poolman), University of Groningen , Groningen, Netherlands.

▪ REFEREES

- o Professor Gholamreza Asadikaram, Department of Biochemistry, Kerman University of Medical Sciences. Kerman, Iran. asadi_ka@yahoo.com
- o Professor Abbas Pardakhti, Department of Pharmaceutics, School of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran. abpardakhty@kmu.ac.ir
- o Professor Bert Poolman, Faculty of Science and Engineering, Membrane Enzymology Group. University of Groningen. B.poolman@rug.nl.