

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



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Curriculum Vitae

Mohsen Tafaghodi (Pharm.D., Ph.D.)

Professor in Pharmaceutics and Nanotechnology,

School of Pharmacy,

Nanotechnology Research Center,

Mashhad University of Medical Sciences,

Mashhad-Iran

91775-1365 **P.O. Box:**

++98-51-38823255-66 (Office) **Phone:**

++98-51-38823251 **Fax:**

E-mail: جاوا به نیاز شما دیدن برای .شود می حفاظت spambots توسط ایمیل آدرس این \n اسکریپت دارید

Education and training

School of Pharmacy, Mashhad University of Medical Sciences **Pharm.D.:**
(1991-1997).

School of Pharmacy, Mashhad University of Medical **Ph.D. (Pharmaceutics):**
Sciences (1997-2003).

Nasal immunization using biodegradable microspheres and liposomes: Tetanus toxoid as a model **Ph.D. thesis title:**

Research fellowships:

1- School of Pharmacy, University of Alberta, Canada (cancer vaccination using nano- and microparticulate drug delivery systems).

2- Leiden/Amsterdam center for Drug Research, University of Leiden, Netherland (preparation and characterization and in vivo study of TMC:HBsAg and chitosan:HBsAg nanoparticles as a nasal delivery /adjuvant system)

Research Interest

- Mucosal and systemic vaccine and drug delivery by nanoparticulate and microparticulate delivery systems (nanospheres, microspheres and liposomes)

Honors & Awards

Honored investigator (student) in medicinal sciences, Ferdowsi Festival, Mashhad, 2001 (Offered by MUMS and FUM).

Honored Pharmacist, Mashhad, 2002 (Offered by Khorasan Association of Pharmacists).

Iranian Seminar of Pharmaceutical Scientists (Ph.D. The best presentation in 8th student), Shiraz, 2002 (Offered by Iranian Association of Pharmaceutical Scientists).

Iranian Seminar of Pharmaceutical Sciences, Tabriz, Honored young researcher, 9th 2004 (Offered by Iranian Association of Pharmaceutical Scientists).

The best book translation (Adverse effects of herbal drugs vol. 1 and 2), Research week festival, Mashhad, 2004 (Offered by MUMS)

Three awards from Iranian Nanotechnology Initiative for supervision of two Pharm.D. thesis.

The best book translation (Pharmaceutics, vol. 1), Research week festival, Mashhad, 2006 (Offered by MUMS)

Honored lecturer, MOALEM week festival, Mashhad, 2007 (Offered by MUMS)

The best book translation (Pharmaceutics, vol. 2), Research week festival, Tehran, 2007 (Offered by University of Tehran)

The best book translation (Pharmaceutics, vol. 2), Research week festival, Mashhad, 2007 (Offered by MUMS)

The best presentation in ICRC 2011, Mashhad, 2011 (Offered by Iranian Controlled Release Society).

The best book translation (Nonprescription Drug Therapy), Research week festival, Mashhad, 2011 (Offered by MUMS)

The best book translation (Pharmaceutics, vol. 1), Research week festival, Mashhad, 2015 (Offered by MUMS).

Memberships

Member of “Nanotechnology Research Center”, Mashhad University of Medical Sciences

Member of “Controlled Release Society of Iran”

Editorial member of Asian Pacific Journal of Tropical Medicine (2009-2011; 2016-now)

Editorial member of Nanomedicine Journal

Reviewer of Drug Development and Industrial Pharmacy journal

Reviewer of Journal of Drug Targeting

Reviewer of Journal of Microencapsulation

Reviewer of Journal of the Taiwan Institute of Chemical Engineers

Reviewer of Iranian Journal of Pharmaceutical Research

Reviewer of Iranian Journal of Basic Medical Sciences

Reviewer of DARU journal

Reviewer of Colloids and Surfaces, B journal

Workshops:

Member of “Nanotechnology Research Center”, Mashhad University of Medical Sciences

Member of “Controlled Release Society of Iran”

Editorial member of Asian Pacific Journal of Tropical Medicine (2009-2011; 2016-now)

Editorial member of Nanomedicine Journal

Reviewer of Drug Development and Industrial Pharmacy journal

Reviewer of Journal of Drug Targeting

Reviewer of Journal of Microencapsulation

Reviewer of Journal of the Taiwan Institute of Chemical Engineers

Reviewer of Iranian Journal of Pharmaceutical Research

Reviewer of Iranian Journal of Basic Medical Sciences

Reviewer of DARU journal

Reviewer of Colloids and Surfaces, B journal

Patents

US patent : chimeric peptides against HTLV-1

Publishes and presentations

Books

aghodi,
R., Hosseinzadeh, H., 1998. Adverse Effects of Herbal **M.**
print 2007. (Translation), 4th Drugs. Volume 1, MUMS Press, Mashhad.

aghodi,
H., 2002. Adverse Effects of Herbal Drugs. **M.**
print, 2007. (Translation), 3rd Volume 2, MUMS Press, Mashhad.

aghodi,
of Herbal Drugs. **M.**
(Translation). Volume 3, MUMS Press, Mashhad.

aghodi,
i, F., 2006. Pharmaceutics, the **M.**,
tion, 2nd science of dosage form design. Volume 1, MUMS Press, Mashhad.
(, 2009).

aghodi,
i, F., Fazly, B.S., 2007. **M.**,

print, (Translation), 2nd Pharmaceuticals, the science of dosage form design. Volume 2. 2010.

aghodi,

(Translation)2011. Nonprescription Drug Therapy. MUMS press, Mashhad. (

aghodi,

i, F., Fazly, B.S., 2013. Aulton's **M.**,
Pharmaceutics, the design and manufacture of medicines. Volume 1, MUMS Press,
, 2015).Mashhad.

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i, F., Fazly, B.S., 2013. Aulton's **M.**,
Pharmaceutics, the design and manufacture of medicines. Volume 2, MUMS Press,
, 2015).Mashhad.

Papers

aghodi,

Enhancement of immune responses **M.**
by co-delivery of a CpG oligodeoxynucleotide and tetanus toxoid in biodegradable
nanospheres. Journal of Controlled Release, 85, 247-262

aghodi,

i Tabasi, S.A., Jaafari, M.R., 2002. Drug delivery from nasal **M.**
route. Razi,, 155, 32-42.

aghodi,

nzadeh, M., Rahimizadeh, M., 2003. Isolation and **M.**
identification of Hyoscyamus insanus alkaloids. Iranian journal of Medicinal Plants,
2(7), 29-36.

aghodi,

i Tabasi, S.A., Jaafari, M.R., 2004. Utilization of particulate **M.**
and immuno-modulating adjuvants for enhancement of immune responses against
tumors antigenic markers. Iranian Journal of Basic Medical Sciences, 6(4), 336-345.

aghodi,

i Tabasi, S.A., Jaafari, M.R., Zakavi, S.R., Momen-nejad, M., **M.**
2004. Evaluation of the clearance characteristics of various microspheres in the
human nose by gamma-scintigraphy. International Journal of Pharmaceutics, 280,
125-135.

aghodi,

Tabasi, S.A., Jaafari, M.R., 2004. Mucosal immunization. **M. Razi**, 175, 17-24.

aghodi,
ri, M.R., Sajadi Tabasi, S.A., 2004. Adjuvants. **Razi**, 174, **M.** 34-45.

aghodi,
an microspheres **M.**
encapsulated with tetanus toxoid as a delivery system for nasal immunization: in vitro and in vivo characterization. *Iranian Journal of Basic Medical Sciences*, 7(2), 88-98.

aghodi,
, 2005. Evaluation of the **M.**
clearance characteristics of liposomes in the human nose by gamma-scintigraphy. *Iranian Journal of Pharmaceutical Research*, 4(1), 3-11.

aghodi,
Tabasi, S.A., Jaafari, M.R., 2006. Formulation and **M.**
characterization and release studies of alginate microsphere encapsulated with tetanus toxoid. *Journal of Biomaterials Science. Polymer Edition.*, 17(8), 909-924.

aghodi,
Tabasi, S.A., Jaafari, M.R., 2006. Induction of systemic **M.**
and mucosal immune responses by intranasal administration of alginate microspheres encapsulated with tetanus toxoid and CpG-ODN. *International Journal of Pharmaceutics*, 319, 37-43.

aghodi,
M.R., Sajadi Tabasi, S.A., 2006. Nasal immunization **M.**
studies by liposomes encapsulated with tetanus toxoid and CpG-ODN. *European Journal of Pharmaceutics and Biopharmaceutics*, 64, 138-145.

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M.R., Nikouzadeh, A. 2007. Evaluation of systemic and **M.**
mucosal immune responses following the nasal immunization by various sizes of liposomes encapsulated with tetanus toxoid. *Iranian Journal of Basic Medical Sciences*, 9, 4(32), 307-315.

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Tabasi, S.A., Jaafari, M.R., 2007. Nasal immunization **M.**
study by PLGA nanospheres encapsulated with tetanus toxoid and CpG-ODN. *Iranian Journal of Pharmaceutical Research*, 6(3), 151-158.

aghodi,

Leishmania Characterization of Alginate Microspheres Encapsulated with Autoclaved CpG -ODN. Iranian Journal of Basic Medical Sciences, 10(2), 90-98.

Tafaghodi,

Tabasi, S.A., Payan, M., 2007. Alginate microspheres as **M.** delivery system and adjuvant for autoclaved *Leishmania major* (ALM) and Quillaja saponin (QS) - Preparation and characterization. Iranian Journal of Pharmaceutical Sciences, 3(2), 61-68.

17- Nazemian, F., Mohammad-Poor, A-H, Naghibi, M, Hasanzadeh-Khayat, M., Tafaghodi, M., Charkazi, S, Abrisham, S., 2007. [The effect of pentoxiphylline on hemoglobin levels in patients with erythropoietin resistant anemia in hemodialysis patients.](#) Nephrology Dialysis Transplantation,

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, Sajadi Tabasi, S.A., Jaafari, M.R., 2008. Nasal immunization **Tafaghodi, M.** studies by cationic, fusogenic and cationic-fusogenic liposomes encapsulated with tetanus toxoid. Current Drug Delivery, 5, 108-113.

Tafaghodi,

Tabasi, S.A., Kharazizadeh, M., 2008. Preparation and **M.** *Leishmania* characterization of PLGA nanospheres encapsulated with autoclaved saponin. Saudi Pharmaceutical Journal, 16(1), 43-49. *Quillaja* (ALM) and *major*

Tafaghodi,

on of high **M.** antitoxin titers against tetanus toxoid in rabbits by intranasal immunization with dextran microspheres. International Journal of Pharmaceutics, 360, 12-17.

Tafaghodi,

zadeh, F., Farahmand, F., 2008. Determination of **M.** encapsulation efficiency of tetanus toxoid in microsphere and liposome drug delivery systems by two different spectroscopic methods, Pharmaceutical Sciences, summer, 53-59.

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Tabasi, S.A., Amiri, N., 2008. PLGA nanospheres loaded **M.** *in vitro* Preparation and CpG-ODN: (ALM) and *Leishmania Major* with Autoclaved characterization. Iranian Journal of basic medical Sciences, 11(2), 112-119.

ur, A.H.,

L. extract on lead *Coriandrum sativum* , Afshari, R., 2008. Effect of **Tafaghodi, M.** excretion in 3-7 year old children, Journal of Birjand University of Medical Sciences, 15, 11-19.

4- Amin,
Minimization studies

chitosan coated liposomes encapsulated with tetanus toxoid as a model antigen. *Colloids and Surfaces B. Biointerfaces*, 74, 225-229.

aghodi,

Behnam, H.R., 2010. The Effect of Hypericum Perforatum on the Wound Healing and Scar of Cesarean. *Journal of Alternative and Complementary Medicine*, 16(1), 113-117.

aghodi,

Far, S., 2010. Preparation and in vivo study of dry powder microspheres for nasal immunization. *Journal of Drug Targeting*, 18(3), 235-242.

aghodi,

Chemical Composition and Antioxidant Activities of the Essential Oils of Different *Portulaca* species. *Journal of Medicinal Plants*, 2, 193-199.

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M.R., Eskandari, M., Khamesipour, A., 2010. Immunization against leishmaniasis by PLGA nanospheres loaded with an saponins. *Tropical Quillaja (ALM) and Leishmania major experimental Autoclaved Biomedicine*, 27, 639-650.

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characterization of paclitaxel loaded alginate microparticles for pulmonary delivery. *Colloids and Surfaces B. Biointerfaces*, 81, 521-529.

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Microspheres could enhance immune responses against PLGA nanospheres encapsulated with tetanus toxoid saponins after nasal immunization in rabbit. *Pharmaceutical Development and Technology*, 16, 36-43.

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Khamesipour, A., Jaafari, M.R., 2011. Immunization against *Leishmania major* leishmaniasis by PLGA nanospheres encapsulated with Autoclaved (ALM) and CpG-ODN. *Parasitology Research*, 108, 1265-1273.

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Khamesipour, A., Jaafari, M.R., 2011. Alginate microspheres encapsulated with Autoclaved (ALM) and CpG-ODN *Leishmania major*

induced partial protection and enhanced immune response against murine model of leishmaniasis. *Experimental Parasitology*, 129, 107-114.

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Comparison **M.**

of Intralesional 2% zinc sulfate and Glucantime injection in treatment of acute cutaneous Leishmaniasis. *Indian Journal of Dermatology*, 57, 118-122.

-34- Tafaghodi, M., Eskandari, M., 2012. The mucosal adjuvant potential of cross linked dextran microspheres (CDM) as dry powder. *Iranian Journal of Basic Medical Sciences*, 15, 873-879.

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Tafaghodi, M.

ghizadeh, H., 2012. In **M.**,
vitro insulin release from thermosensitive chitosan hydrogel. *AAPS PharmSciTech*, 13, 460-466.

Tafaghodi, M.

V., Kersten, G.F.A., Kraan, H., Slütter, B., Amorij, J.-P., **M.**,
Jiskoot W., 2012. Hepatitis B surface antigen nanoparticles coated with chitosan and trimethyl chitosan: impact of formulation on physicochemical and immunological characteristics. *Vaccine*, 30, 5341-5348.

Tafaghodi, M.

, 2013. Formulation **M.**
ation of
omal Gel of Triamcinolone Acetonide. *Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS)*, 4, 101-107.

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, E., 2013. Effect of **M.**
Aqueous and Ethanolic Extracts of *Nigella sativa* Seeds on Milk Production in
, 6, 18-23. [JAMS Journal of Acupuncture and Meridian Studies](#) Rats.

Tafaghodi, M.

characterization of trimethylchitosan (TMC) nanospheres encapsulated with tetanus toxoid. *Pharmaceutical Sciences*, 1(2), 13-18.

Tafaghodi, M.

2013. Dry-powder form of chitosan nanospheres containing influenza virus and adjuvants for nasal immunization. Archives of Pharmacal Research, 36:981-992.

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Formulation Properties on Sol-Gel Behavior of Chitosan/glycerolphosphate Hydrogel. Iranian Polymer Journal, 22:785-790.

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n., Alibolandi, M., and **M.**

Hadizadeh, F., 2013. Preparation and Characterization of PLGA-PEG-PLGA nanospheres prepared with a new thermogelling method for Insulin Delivery. Journal of Chemical and Pharmaceutical Research, 5, 311-319.

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evaluation of mucoadhesive properties of nanoliposomal formulations upon coating with trimethylchitosan polymer. Nanomedicine Journal, 1(3), 147-154.

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Charkazi, S., Naghibi, M., Shamsara, J., 2014. Evaluation of the effect of pentoxifylline on erythropoietin-resistant anemia in hemodialysis patients. Saudi Journal of Kidney Diseases and Transplantation, 25, 73-78.

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characterization of spray-dried powders intended for pulmonary delivery of Insulin with regard to the selection of excipients. International Journal of Pharmaceutics, 465, 464-478.

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n, G.F.A, Jiskoot, W., 2014. Nano-adjuvanted polio **M.**

vaccine: Preparation and characterization of chitosan and trimethyl chitosan (TMC) nanoparticles loaded with inactivated polio virus and coated with sodium alginate. Nanomedicine Journal, 1(4), 220-228.

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di, E., 2014. Effect **M.**

L. Seeds on Milk Production *Pimpinella anisum* of Aqueous and Ethanolic Extracts of , 7(4), 211-216. [Journal of Acupuncture and Meridian Studies](#) in Rats.

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infection by *Staphylococcus aureus* B.S., 2014. Eradication of methicillin-resistant nanoliposomes loaded with gentamicin and oleic acid. Pharmaceutical Biology, 52 (11), 1423-1428.

Mohajer,
Preparation and characterization of **Tafaghodi, M., 2014** Khameneh, B.,
PLGA nanospheres loaded with inactivated influenza virus, CpG-ODN and Quillaja
saponin. Iranian Journal of Basic Medical Sciences, 17, 722-726.

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Mirzazadeh Tekie, F.S., Khameneh, B., Hadizadeh, F., 2014. Injectable
-supramolecular hydrogel from insulin-loaded triblock PCL-PEG-PCL copolymer and γ
cyclodextrin with sustained-release property. AAPS PharmSciTech, 16(1), 141-149.

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Kheiri, V., Torabi, A., Abnous, KH., **M.**
Tavassoti Kheiri, M., 2014. Nasal immunization against influenza by chitosan
nanospheres encapsulated with Influenza whole virus and adjuvants in dry-powder
form. International Journal of Pharmaceutics, 475, 1-8.

odi, M.,
M., 2014. Microwave functionalized single-walled carbon nanotube as nanocarrier
for the delivery of anticancer drug cisplatin: in vitro and in vivo evaluation. Journal
of Drug Delivery Science and Technology, 24(6), 572-578.

aghodi,
Combined effects of PEGylation and particle size on uptake of PLGA particles by
macrophage cells. Nanomedicine Journal, 2(4), 299-304.

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[The role of surface charge of ISCOMATRIX nanoparticles on the type of immune response generated against Leishmaniasis in BALB/c mice](#) Hojatizade, M., Badiee, A., 2015.
. Nanomedicine Journal 2 (4), 249-260.

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A M.,
microparticles loaded with paclitaxel: Preparation, in vitro and in vivo
characterization. Journal of Microencapsulation, 32(7), 661-668.

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[IEEE Transaction of Nanonetworks for Targeted Cancer Drug Delivery.](#)
, 14(8), 894-906. [Nanobioscience](#)

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[The role of surface charge of ISCOMATRIX](#) Hojatizade, M., Badiee, A., 2015.

[nanoparticles on the type of immune response generated against Leishmaniasis in BALB/c mice](#). *Nanomedicine Journal* 2 (4), 249-260.

Tafaghodi,

[Cationic Immune Stimulating Complexes Containing Soluble Leishmania Antigens: Preparation, Characterization and in Vivo Immune Response Evaluation](#) Hojatizade, M., Abbasi, A., Badiee, A., 2015. *Iranian Journal of Immunology* 12 (4), 274.

Tafaghodi,

M.R., Najafi, F., Hoseinipour, Z., Dastmalchi, P., Farazi, F., 2016. Clinical efficacy of *Salix alba*, *Malva sylvestris* and *Althaea officinalis* mouth wash composed of periodontitis patients. *Journal of Herbal Medicine*, 6, 24-27.

Tafaghodi,

of polymeric M.

nanoparticles for pulmonary drug delivery. *Current Pharmaceutical Design*, 22(17), 2549-2560.

Tafaghodi,

Immunization against HTLV-1 with CHT and TMC nanoparticles loaded with recombinant env23 and env13 antigens of envelope protein gp46. *Microbial Pathogenesis*, 97, 38-44.

ur, A.H.,

, 2016. Non-invasive endotracheal delivery of paclitaxel loaded **Tafaghodi, M.** alginate microparticles: pharmacokinetic study. *Journal of Chemotherapy*, 28(5), 411-416.

Tafaghodi,

M-R. Eskandari, M., Khamesipour, A., 2016. **M.**

Immunization against cutaneous leishmaniasis by Alginate microspheres loaded saponins. *Iranian Journal of Quillaja (ALM) and Leishmania major* with Autoclaved *Pharmaceutical Research*, 15(2), 573-581.

Tafaghodi,

and trimethylchitosan (TMC) nanoparticles as adjuvant/delivery system for parenteral and nasal immunization against Mycobacterium tuberculosis (MTb) ESAT-6 antigen. *Nanomedicine Journal*, 3(4), 223-229.

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ESAT-6 antigens

1(2), 1-5.

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sihi-Ramandi, **M.**
M., 2016. TB trifusion antigen adsorbed on calcium phosphate nanoparticles stimulated strong cellular immunity in mice. *Biotechnology and Bioprocess Engineering*, 21(5):653-658.

aghodi,
Study and evaluation of nucleolin-targeted delivery of magnetic PLGA-PEG nanospheres loaded with doxorubicin to C6 glioma cancer cells compared with L929 normal cells. *Materials Science and Engineering C*, 72, 123-133.

aghodi,
Ramezani, M., 2016. Preparation and characterization of uniform-sized PLGA nanospheres encapsulated with oleic acid-coated magnetic-Fe₃O₄ nanoparticles for simultaneous diagnostic and therapeutic applications. *Colloids and Surfaces A*, 514, 146-154.

aghodi,
d in vivo **M.**
evaluation of anti-nucleolin-targeted magnetic PLGA nanoparticles loaded with doxorubicin as a theranostic agent for enhanced targeted cancer imaging and therapy. *European Journal of pharmaceuticals and Biopharmaceutics*, 113, 60-74.

aghodi,
HspX/EsxS fusion *Mycobacterium Tuberculosis*, Ghazvini, K., Sankian, M., 2016. protein: The study of gene cloning, protein expression and purification *Mycobacterium tuberculosis*. *Biochemistry and Molecular Biology*, 6(1), 15-21.

aghodi,
of cross-linked dextran microspheres mixed with chitosan nanospheres encapsulated with tetanus toxoid. *Pharmaceutical Biology*, 55(1), 212-217.

aghodi,
, Meshkat, Z., Moradi, B., Sankian, **M.**,
M., 2017. Heterologous expression, purification and characterization of the HspX, Ppe44 and EsxV proteins of *Mycobacterium tuberculosis*. *Reports of Biochemistry and Molecular Biology*, 6(2), 125-130.

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Hadizadeh, F., 2017. In Vitro Evaluation of PLGA-PEG-PLGA Microspheres for Sustained Release of Insulin. International Journal of ChemTech Research, 10(9), 1018-1025.

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ni, Y., Ghazvini, K., 2017. Cloning, **M.**
Expression and Refolding of PPE17 protein of mycobacterium tuberculosis as a Promising Vaccine Candidate. Iranian Journal of Basic Medical Sciences (In Press).

aghodi,
2017. Evaluation of different methods to determine the encapsulation efficiency of proteins in PLGA nanoparticles. Bio-Medical Materials and Engineering, 28(6), 613-620.

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Soleimanpour, S., 2018. Multistage subunit vaccines against Mycobacterium tuberculosis or BCG-prime boost?

Arvand,
H.A.H., Arzanlou, M.,

Resistance of
Review and Meta-Analysis.
Microbial Drug Resistance (In Press).

aghodi,
Potential of polymeric particles as a future vaccine delivery system/adjuvant for parenteral and non-parenteral immunization against tuberculosis: A systematic review. IJBMS, 21(2), 116-123.

aghodi,
characterization and immunological evaluation of alginate nanoparticles loaded with whole inactivated influenza virus: Dry powder formulation for nasal immunization in rabbits. Microbial Pathogenesis, 115, 74-85.

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2018. Biodegradable soluble **M**
soybean polysaccharide/TiO₂ nanocomposite film for food application. Carbohydrate polymers, 186, 384-393.

aghodi,
ari, B., 2018. Development **M.**

and characterization of eco-friendly soluble soybean polysaccharide/2 TiO₂ nanoparticle bionanocomposites. *International Journal of Biological Macromolecules*, 112, 852-861.

Tafaghodi,

fused antigen of *Mycobacterium tuberculosis* and MPLA adjuvant co-entrapped into PLGA:DDA hybrid nanoparticles stimulates mucosal and systemic immunity in BALB/c mice Vaccine. *Microbial Pathogenesis* (In Press).

Mycobacterium

83- Khademi, F., Yousefi-Avarvand, A., Derakhshan, M., Abbaspour, M.R., Sadri, K., Tafaghodi, M., 2018. Formulation and optimization of a new cationic lipid-modified

fusion protein: A factorial design. *Iranian Journal of Pharmaceutical Research* (In Press).

84- Gholami, L., Kazemi Oskuee, R., Tafaghodi, M., Ramezani Farkhani, A., Darroudi, M.

2018. Green facile synthesis of low-toxic superparamagnetic iron oxide nanoparticles (SPIONs) and their cytotoxicity effects toward Neuro2A and HUVEC cell lines. *Ceramics International*, 44(8), pp. 9263-9268.

Tafaghodi,

characterization and in vivo evaluation of alginate-coated chitosan and trimethylchitosan nanoparticles loaded with PR8 influenza virus for nasal immunization. *Asian Journal of Pharmaceutical Sciences* (In Press).

Tafaghodi,

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Tafaghodi,

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Theranostic chitosan nanospheres: a promising tool for glioblastoma diagnosis and therapy. *Journal of Cellular Physiology* (In Press).

Tafaghodi,

physicochemical and **M.**,

functional properties of newly seed gums. *International Journal of Biological Macromolecules*, 119, 1240-1247.

Tafaghodi,

89- Mousavi, D., Maghsoodi, F., Panahandeh, F., Yazdian-Robati, R., Reisi-Vanani,

Reduction-responsive biodegradable poly(ethylene glycol)-b-poly(ϵ -caprolactone) (PEG-SS-PCL) nanomicelles loaded with -superparamagnetic iron oxide (SPIO) nanoparticles (NPs) for combined tumor targeted delivery of doxorubicin. *Materials Science and Engineering C*, 92, 631-643.

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Meshkat, Z., 2018. HspX protein as a candidate vaccine against *Mycobacterium tuberculosis*: an overview. *Frontiers in Biology* (In Press).

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Chamani, J., Khameneh, B., Mirzazadeh Tekie, F.S., 2018. Sustained Drug Delivery System for Insulin using Supramolecular Hydrogels Composed of Tri-block Copolymers. Submitted to IJPR.

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, M

M.R., 2018. Preparation and characterization of chitosan nanoparticles loaded with whole *Leishmania* lysate (WLL) and soluble *Leishmania* antigen (SLA), and evaluation of induced immune response in a mouse model of leishmaniasis. Submitted to Iranian Journal of Immunology.

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, M.

M.R., 2018. Immunization against leishmaniasis by trimethylchitosan nanoparticles antigen (SLA) in a *Leishmania* lysate (WLL) and soluble *Leishmania* loaded with whole mouse model. Submitted to IJPR.

- 4- Khademi, F., Derakhshan, M., **Tafaghodi**,
, 2018. Evaluation of PLGA:DDA **M.**
hybrid nanoparticles and MPLA as delivery system/adjuvant for immunization
of multistage subunit vaccine of
- 5- Shiezadeh, F., Laal-dehghani, M., Mashhoori, F., Fazly bazzaz, B.S., Imenshahidi,
Tafaghodi,
Pulmonary delivery of gentamycin sulfate by PLGA porous **M.**,
particles. Submitted to Aerosol Science & Technology.
- Tafaghodi**,
2018. The **M.**,
alternative approach to increase the expression level of fusion epitope: Helical or
flexible linkers. Submitted to Molecular Biology Reports.
- Tafaghodi**,
2018. Environment-friendly **M.**,
green composites based on soluble soybean polysaccharide: A review. Submitted
to Carbohydrate Polymer.
- 8- Mansury, D., Ghazvini, K., Amini, Y., Amel Jamehdar, S., Nikpoor, A.R., Badiee,
Tafaghodi,
M.R., 2018. Enhancement of the effect of BCG vaccine **M.**
against tuberculosis using DDA/TDB liposomes containing three fusion proteins of
HspX, PPE44 and EsxV. Submitted to Immunology Letters.
- Tafaghodi**,
along with ISCOMATRIX, *Mycobacterium tuberculosis* HspX/EsxS fusion protein of
PlusCOM nanoadjuvants after subcutaneous administration in mice. Submitted to ...
- 10- Khademi, Farzad; Derakhshan, Mohammad; Yousefi-Avarvand, Arshid; Najafi,
Tafaghodi,
evaluation of PLGA:DDA hybrid nanoparticles and **Mohsen**
MPLA as delivery system/adjuvant for immunization against a novel multistage
subunit vaccine of Mycobacterium tuberculosis. Submitted Journal of Applied
Microbiology.
- Tafaghodi**,
responses against HTLV-1 by delivery of novel multi-epitope vaccine in PLGA
nanoparticles. Submitted to European Journal of Pharmaceutics and
Biopharmaceutics.
- 12- Khodaverdi, E., ..., Tafaghodi, M., 2018. An In-situ Forming Gel Formulation of
-Growth Hormone Using PCL-PEG-PCL Thermosensitive Triblock: Preparation and In
vitro Release Study. Submitted to Journal of Macromolecular Science, Part A: Pure

and Applied Chemistry.

Conference presentations

1- Tafaghodi, M. Shokouhi Nejad, H., 1995. Evaluation of different methods of congress of Iranian determination of poor soluble substances. Proceeding of the 2nd pharmacy students, Mashhad, Iran.

Tafaghodi

Iranianth concentrations on physical properties of coated tablets. Proceeding of the 6 Congress of Pharmaceutical Sciences, Tehran, Iran.

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Last update: Dec., 2017

