

Curriculum Vitae
Alireza Lotfabadi



Personal Information

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Current position:

Assistant Professor at Pharmaceutical Biomaterials Department, School of Pharmacy, Kermanshah University of Medical Sciences

Education

PhD in Pharmaceutical Biomaterials at Tehran University of Medical Sciences (TUMS)

M.Sc. in Biophysics from Institute of Biochemistry and Biophysics (IBB) of Tehran University

B.Sc. in Biology from Guilan University

Publications:

- "Biomolecular Corona Dictates A β Fibrillation Process", Alireza Lotfabadi, Mohammad Javad Hajipour, Hossein Derakhshankhah, Afshin Peirovi, Samaneh Saffar, Elnaz Shams, Elnaz Fatemi, Ebrahim Barzegari, Sajad Sarvari, Faezeh Moakedi, Maryam Ferdousi, Fatemeh Atyabi, Ali Akbar Saboury, and Rassoul Dinarvand, *ACS Chemical Neuroscience*, 2018, 10.1021/acscemneuro.8b00076.
- "Magnetic bio-metal–organic framework nanocomposites decorated with folic acid conjugated chitosan as a promising biocompatible targeted theranostic system for cancer treatment", Vajihe Nejadshafiee, Hossein Naeimi, Bahram Goliaei, Bahareh Bigdeli, Armin Sadighi, Sadegh Dehghani, Alireza Lotfabadi, Maryam Hosseini, Maryam Sadat Nezamtaheri, Massoud Amanlou, Mohammad Sharifzadeh, Mehdi Khoobi, *Materials Science and Engineering: C*, 2019, vol 99, 805-815.
- Cell penetrating peptides: A concise review with emphasis on biomedical applications, Hossein Derakhshankhah, Samira Jafari, (Biomedicine & Pharmacotherapy, IF: 3.743), 2018, Volume 108, Pages 1090-1096.

- "Molecular interaction of fibrinogen with zeolite nanoparticles", Hossein Derakhshankhah, Atiyeh Hosseini, Fereshteh Taghavi, Samira Jafari, Alireza Lotfabadi, Mohammad Reza Ejtehad, Sahba Shahbazi, Ali Fattahi, Atiyeh Ghasemi, Ebrahim Barzegari, Mina Evini, Ali Akbar Saboury, Seyed Mehdi Kamali Shahri, Behnaz Ghaemi, Eng-Poh Ng, Hussein Awala, Fatemeh Omrani, Iraj Nabipour, Mohammad Raoufi, Rassoul Dinarvand, Svetlana Mintova, Mohammad Javad Hajipour, Morteza Mahmoudi, *Scientific reports*, 2019, vol 9, issue 1, 1-14.
- "Curcumin-lipoic acid conjugate as a promising anticancer agent on the surface of gold-iron oxide nanocomposites: A pH-sensitive targeted drug delivery system for brain cancer theranostics", Milad Ghorbani, Bahareh Bigdeli, Leili Jalili-baleh, Hadi Baharifar, Mohammad Akrami, Sadegh Dehghani, Bahram Goliaei, Amir Amani, Alireza Lotfabadi, Hamid Rashedi, Ismaeil Haririan, Nader Riyahi Alam, Morteza Piralı Hamedani, Mehdi Khoobi, *European Journal of Pharmaceutical Sciences*, 2017, 10.1016/j.ejps.2017.12.008.
- "Zeolite Nanoparticles Inhibit A β -Fibrinogen Interaction and Formation of a Consequent Abnormal Structural Clot", Hossein Derakhshankhah, Mohammad Javad Hajipour, Ebrahim Barzegari, Alireza Lotfabadi, Maryam Ferdousi, Ali Akbar Saboury, Eng Poh Ng, Mohammad Raoufi, Hussein Awala, Svetlana Mintova, Rassoul Dinarvand, Morteza Mahmoudi, *ACS applied materials & interfaces*, 2016, 10.1021/acsami.6b10941.
- "Sensing of Alzheimer's Disease and Multiple Sclerosis Using Nano-Bio Interfaces", Mohammad Javad Hajipour, Forough Ghasemi, Haniyeh Aghaverdi, Mohammad Raoufi, Uwe Linne, Fatemeh Atyabi, Iraj Nabipour, Morteza Azhdarzadeh, Hossein Derakhshankhah, Alireza Lotfabadi, Afshar Bargahi, Zahra Alekhamis, Afsaneh Aghaie, Ehsan Hashemi, Abbas Tafakhori, Vajiheh Aghamollai, Marzie Maserat Mashhadi, Sara Sheibani, Hojatollah Vali, Morteza Mahmoudi, *Journal of Alzheimer's Disease*, 2017, 10.3233/JAD-160206.
- "Colon Cancer and Specific Ways to Deliver Drugs to the Large Intestine", H Derakhshankhah, Z Izadi, A Lotfabadi, L Alaei, AA Saboury, R Dinarvand, A Divsalar, A Seyedarabi, E Barzegari, M Evini, *Anticancer Agents Med Chem*, 2017, 10.2174/1871520617666170213142030.
- "Oriented Immobilization of Anti-IgG on Amine Functionalized Carbon Nanotubes for Electrochemical Sensing of Human IgG", Alireza Lotfabadi, Hedayatollah Ghourchian and Susan Kaboudanian Ardestani, *Anal. Bioanal. Electrochem.*, Vol. 3, No. 5, 2011, 450-461.
- "Development of ¹⁷⁷Lu-DTPA-SPIO conjugates for potential use as a dual contrast SPECT/MRI Imaging Agent", Saeed Shanehsazzadeh, Cordula Grüttner, Hassan Yousefnia, Afsaneh Lahooti, Amir Gholami, Sahar Nosrati, Samaneh Zolghadri, Sayyed Hossein Mousavie Anijdan, Alireza Lotfabadi, Behrang Shiri, Fariba Johari Doha, and Amir Reza Jalilian, *Radiochimica Acta*, January 2016, 10.1515/ract-2015-2499.
- Alireza Lotfabadi, Hajar Zarei and Hedayatollah Ghourchian, "A novel Immunosensor: Using Functionalized CNTs and Modified Anti-IgG for Electrochemical Detection of Human IgG", 3rd IUMS Conference on Application of Nanotechnology in Medicine and Biomedical Sciences, P 125, *Iran University of Medical Sciences, Esfand 1388, Tehran, Iran*.
- Hajar Zarei, Alireza Lotfabadi and Hedayatollah Ghourchian, "Electrochemical Immunosensor for Detection of Human IgG Based on Modified Magnetic Carbon Nanotubes", 3rd IUMS Conference on Application of Nanotechnology in Medicine and Biomedical Sciences, P 8, *Iran University of Medical Sciences, Esfand 1388, Tehran, Iran*.

- Alireza Lotfabadi, Rassoul Dinarvand, Morteza Mahmoudi, Ali Akbar Saboury and Hossein Derakhshankhah, "Study of Interaction between Fibrinogen and Gold Nanoparticles", 13th Conference on Biophysical Chemistry, *Mohaghegh Ardabili University, May 2015, Ardabil, Iran.*

Research Interests:

- Biomaterials
- Control drug delivery
- Nanomedicine
- Biosensors
- Protein interaction