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Place of birth: Islamabadegharb- Kermanshah - Iran

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Academic background:

1. Pharm.D., Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz,

Iran. 1998-2003.

2. PhD., Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran.

2004 – 2010 (Possessing 1st rank).

3. Research Fellow. Center for Drug Research, Faculty of Pharmacy, University of

Helsinki, Helsinki, Finland. 2010 (6 month).

Honors and Awards:

- 1- Elected as an Iranian Best PhD Student in the year 2008 and the prizes has been awarded by the country president.*
- 2- First rank researcher of Tabriz University of Medical Sciences in the year 2008 and the prize has been awarded by Tabriz University of Medical Sciences in the Research Festival.*

Articles:

- 1- Chemical characterization and anti-breast cancer effects of silver nanoparticles using Phoenix dactylifera seed ethanolic extract on 7, 12-Dimethylbenz [a] anthracene-induced mammary gland carcinogenesis in Sprague Dawley male rats. Mohammadi, G., Zangeneh, M.M., Zangeneh, A. and Haghghi, Z.M.S., Applied Organometallic Chemistry, 2019, p.e5136.*
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- 3- *Formulation and Physicochemical Characterization of Cyclosporine Microfiber by Electrospinning. Mirzaeei, S., Mohammadi, G., Fattahi, N., Mohammadi, P., Fattahi, A., Nikbakht, M.R. and Adibkia, K., Advanced pharmaceutical bulletin, 2019, 9(2), p.249.*
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- 7- *De-esterified tragacanth microspheres loaded into eudragit s-100 coated capsules for colon-targeted delivery. Ahmadi, E., Sadrjavadi, K., Mohammadi, G. and Fattahi, A., Iranian journal of pharmaceutical research: IJPR, 2018, 17(2), p.470.*

- 8- *Exploiting second-order advantage from mathematically modeled voltammetric data for simultaneous determination of multiple antiparkinson agents in the presence of uncalibrated interference. Mohammadi, G., Rashidi, K., Mahmoudi, M., Goicoechea, H.C. and Jalalvand, A.R., Journal of the Taiwan Institute of Chemical Engineers, 2018, 88, pp.49-61.*
- 9- *Fabrication of a novel enzymatic electrochemical biosensor for determination of tyrosine in some food samples. Varmira, K., Mohammadi, G., Mahmoudi, M., Khodarahmi, R., Rashidi, K., Hedayati, M., Goicoechea, H.C. and Jalalvand, A.R., Talanta, 2018, 183, pp.1-10.*
- 10- *Mucoadhesive chitosan electrospun nanofibers containing tetracycline and triamcinolone as a drug delivery system. Behbood, L., Karimi, S., Mirzaei, E., Mohammadi, G., Azami, M. and Arkan, E., Fibers and Polymers, 2018, 19(7), pp.1454-1462.*
- 11- *Optimization of Lipofectamine-2000/siRNALipoplexLoaded PLGANanoparticles for Efficient EGFR Gene Silencing: An in Vitro Study. Fattahi, A., Shahbazi, B., Hosseinzadeh, L. and Mohammadi, G., Journal of Reports in Pharmaceutical Sciences, 2018,7(1), pp.64-78.*
- 12- *Preparation and physicochemical characterization of prazosin conjugated PLGA nanoparticles for drug delivery of flutamide. Fattahi, A., Ghiasi, M., Mohammadi,*

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13- Simultaneous co-immobilization of three enzymes onto a modified glassy carbon electrode to fabricate a high-performance amperometric biosensor for determination of total cholesterol. Rashidi, K., Mahmoudi, M., Mohammadi, G., Zangeneh, M.M., Korani, S., Goicoechea, H.C., Gu, H.W. and Jalalvand, A.R., International journal of biological macromolecules, 2018, 120, pp.587-595.

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16- Determination of zearalenone levels in consumed rice samples in iran by high performance liquid chromatography (2015). Sadeghi, E., Barkhordar, S., Mohammadi, G., Moradi, M., Asadi, F., Nesari, S. and Sharafi, K., Acta Medica, 2016, 32, p.1021.

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- 21- Study of the pattern of plasmid and antibiotic resistance of *Escherichia coli* isolated from outpatients with urinary tract infection. Akya, A., Gheisari, H., Mohammadi, G. and Khodadoost, M., *Scientific Journal of Kurdistan University of Medical Sciences*, 2015, 20(1), pp.89-96.

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- 23- *Development and characterization of solid dispersion of piroxicam for improvement of dissolution rate using hydrophilic carriers.* Barzegar-Jalali, M., Ghanbarzadeh, S., Adibkia, K., Valizadeh, H., Bibak, S., Mohammadi, G. and Siah-Shadbad, M.R., *BioImpacts: BI*, 2014, 4(3), p.141.
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- 36- *Effect of sodium alginate chain length and Ca²⁺ and Al³⁺ on the release of diltiazem from matrices. Adibkia, K., Barzegar-Jalali, M., Mohammadi, G., Ebrahimnejhad, H. and Alaei-Beirami, M., 2011.*
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Presentations:

1- *12th Iranian Pharmaceutical Sciences Congress (IPSC 2010). August 2010, Zanjan, Iran. K. Adibkia, G. Mohammadi, M. Barzegar-Jalali, H Zolfaghari. Comparing diltiazem hydrochloride release from monolayer matrices of tragacanth gum and two grades of HPMC. Poster.*

2- *12th Iranian Pharmaceutical Sciences Congress (IPSC 2010). August 2010, Zanjan, Iran. K. Adibkia, G. Mohammadi, M. Barzegar-Jalali, H Ebrahimnejad. Effect of sodium alginate chain length and Ca^{2+} and Al^{3+} on the release of diltiazem from matrices. Poster.*

- 3- *The 5th nanotechnology student's congress. June 2009, Tehran, Iran. G. Mohammadi, M. Barzegar-Jalali, A. Nokhodchi, H. Valizadeh, K. Adibkia. Preparation and physical pharmacy of azithromycin and clarithromycin nanoparticles. Poster.*
- 4- *10th Iranian congress of medical students, May 2009, Tehran, Iran. H. Valizadeh, F. Lotfipoor, P. Zakeri Milani, G. Mohammadi, M. Ajdarzadeh. Investigation on the anti microbial effects of azithromycin nanoparticles. Poster.*
- 5- *11th Iranian Pharmaceutical Sciences Conference, August 2008, Kerman, Iran. M. Barzegar-Jalali, S Halaj Nezhadi, M Hasan, K Adibkia, G Mohammadi. Application of diffusion, erosion and polymer relaxation model to drug release from nanoparticles. Poster.*
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- 15- *3rd Iranain Conference of Novel Drug Delivery Systems, Tehran – Iran, June 2007. M Barzegar-Jalali, A. Mohajjel Nayebi, H. Valizadeh, J. Hanaeea, Kh. Adibkia, **G. Mohammadi**, M. Anoush, M. Sistanizad. Bioavailability Improvement of Carbamazepine by Solid Dispersion Technique. Poster.*
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- 28- 10th Iranian Pharmaceutical Sciences Conference, Shahid Beheshti University of Medical Sciences, Tehran, Iran, August 21-24, 2006. Barzegar-Jalali M ., Barzegar-Jalali A ., Hanaee J ., Siahi Shadbad MR ., Omid Y., Danesh-Bahraini M ., Adibkia K., **Mohammadi G** ., Mizani-Oskoei F. Formulation of some nifedipine sustained release matrices., Poster.
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Teaching activities:

- 1- *Practical Pharmaceutics. From 2005 to 2009. Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran.*
- 2- *Physical Pharmacy 1. From 2007 until now. Faculty of Pharmacy, Kermanshah University of Medical Sciences, Kermanshah, Iran.*
- 3- *Physical Pharmacy 2. From 2007 until now. Faculty of Pharmacy, Kermanshah University of Medical Sciences, Kermanshah, Iran.*

Supervision of thesis:

Application of viral vectors for targeted gene therapy. Pharm D thesis, by Arash Armyun. Thesis No: 3316, June 2006. Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran.

Projects:

Co worker of about 15 projects in the Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran.