

Family name: Adibkia

First name: Khosro

Academic position: Professor of Pharmaceutics

Date of birth: 1979-06-23

Place of birth: Zenooz-Marand- Eastern Azerbaijan - Iran

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Academic background:

1. Pharm.D., Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran. 1997-2002.
2. PhD, Pharmaceutics, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran. 2003 – 2008
3. Research fellow in Pharmaceutical nanobiotechnology in the Gent University (Belgium), 2007 (6 month)

Positions held:

- 1- Assistant Professor of Pharmaceutics (September 2008)
- 2- Associate Professor of Pharmaceutics (October 2012)
- 3- Professor of Pharmaceutics (January 2017)

Current research interest

- Novel Drug Delivery systems e.g. Pharmaceutical nanotechnology and microsystems
- Electrospray and electrospinning methods for preparation of the pharmaceutical nanoparticles
- Organ on a chip and lab on chip systems

Honors and awards:

- 1- Awarded prize for the best researcher in Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran. (2015)
- 2- Awarded prize for the best educational pattern of Tabriz University of Medical Sciences ,5th Educational Festival of Shahid Motahari, Tabriz, Iran (2013).
- 3- Awarded prize for the best educational pattern of Tabriz University of Medical Sciences ,4th Educational Festival of Shahid Motahari, Tabriz, Iran (2011).
- 4- Selected as the distinguished researcher of East Azerbaijan Province, Iran. (2010).
- 5- Awarded prize for the best PhD student of Tabriz University of Medical Sciences, Tabriz, Iran. (2009)
- 6- Winner of Rhazes (Razi) Research prize (first rank in novel drug delivery systems) in Iran. (2008)
- 7- Selected as a Member of the National Elites Organization. (2008).
- 8- Awarded prize for the best PhD student of Tabriz University of Medical Sciences, Tabriz, Iran. (2008)
- 9- Awarded prize from President of Iran for the best PhD student of Iran. (2007)
- 10- Awarded prize for the best PhD student of Tabriz University of Medical Sciences, Tabriz, Iran. (2007)
- 11- Awarded Acknowledgements from Vice chancellor of education for one of the initial loaders of electronic educational context in Tabriz University of Medical Sciences, Tabriz, Iran. (2009)
- 12- Ranking the Best Paper in the 7th Seminar of Iranian Pharmacy Students, Isfahan-Iran (2001)

Patents:

- 1- Azharshekoufeh L., Shokri J., Javadzadeh Y., **Adibkia K.**, Non-ionic surfactant as a pore former in porous osmotic systems, Iranian patent numbered: 88210 (2016)
- 2- **Adibkia K.**, Sabzevari A., Hashemi H., Dinarvand R., Preparation of the triamcinolone acetonide nanoparticles using PLGA and PbAE for treatment of uveitis, Iranian patent numbered: 80175 (2013)
- 3- **Adibkia K.**, Nokhodchi A., Siah MR., Barzegar-Jalai M., Javadzadeh A.R., Omid., Preparation of piroxicam nanosuspensions for inhibition and treatment of Uveitis, Iranian patent numbered: 59769 (2009)
- 4- **Adibkia K.**, Nokhodchi A., Siah MR., Barzegar-Jalai M., Javadzadeh A.R., Omid., Preparation of methyprednisolone acetate nanosuspensions for inhibition and treatment of Uveitis, Iranian patent numbered: 59768 (2009)

Grants:

- 1- University Best Researcher grants (2018-2022, Each year about 300 Million Rials)
- 2- Talents' Research credit from National Institute for Medical Research Development, 220 Million Rials (2016)
- 3- Research credit from Tabriz University for a fellowship student, 100 Million Rials (2015)
- 4- Research credit from Tabriz University of Medical Sciences, 80 Million Rials (2015)
- 5- Research credit for young assistant professors from National Elites Organization: 200 Million Rials (2010)

Editorial Board of:

- 1- SF Journal of Nanochemistry and Nanotechnology, (Since May 2017)
- 2- CRESSCO Journal of Pharma and Drug Regulatory Affairs(CJPDRA) (Since 9 July 2016)
- 3- Associate Editor of BioImpacts (BI), (Since 1 Feb 2016)

- 4- International Journal of Nanomaterials, Nanotechnology and Nanomedicine (Since 31 January 2015)
- 5- International Journal of Pharmaceutical Sciences and Developmental Research (15 December 2014 - 8 July 2015)
- 6- Journal of Pharmaceutical Sciences & Drug Designing (*Journal of Pharmacy and Pharmaceutics*) (Omega Publisher) (Since 24 April 2014)
- 7- SAJ Nanoscience and Nanomedicine (SAJNN) (Since 11 Mar 2014)
- 8- SAJ Pharmacy and Pharmacology (SAJPP) (Since 6 Mar 2014)
- 9- Journal of Molecular Pharmaceutics & Organic Process Research (Since 17 Feb 2014)
- 10- SOJ Pharmacy & Pharmaceutical Sciences (Since Dec 2013)
- 11- Journal of Chemical Engineering and Materials Science (Since 2010)
- 12- Pharmacia (an international journal of pharmaceutical sciences) (Since 2010-2016)

Administrative experiences:

- 1- Dean of Faculty of Pharmacy at Tabriz University of Medical Sciences (May 2022 - Ongoing)
- 2- Director of Pharmaceutical Research Center at Tabriz University of Medical Sciences (August 2020 - Ongoing)
- 3- Director of Research and Development at Tabriz University of Medical Sciences (28 Feb 2018- June 2022)
- 4- Assistant Director of Pharmaceutical Research Center at Tabriz University of Medical Sciences (April 2018- August 2020)
- 5- Education office manager at Faculty of Pharmacy, Tabriz University of Medical Sciences (Oct 2008-Feb 2017)

Book Chapters:

- 1- Amiryaghoubi N., Fathi M., **Adibkia K.**, Barar J., Omidian H., Omid Y., Chitosan-Based Biomaterials: Their Interaction with Natural and Synthetic Materials for Cartilage,

- Bone, Cardiac, Vascular, and Neural Tissue Engineering, Engineering Materials for Stem Cell Regeneration, 2021, 619–650.
- 2- Dizaj SM, Yaqoubi S, **Adibkia K**, Lotfipour F, Nanoemulsion-based delivery systems: preparation and application in the food industry, In: Grumezescu A., Emulsions, Elsevier, USA, 2016.
 - 3- **Adibkia K.**, Yaqoubi S., Maleki Dizaj S., Pharmaceutical and medical applications of nanofibers, In: Raj K. Keservani, Anil K. Sharma, Rajesh Kumar Kesharwani (Eds.), Novel Approaches for Drug Delivery, IGI Global book publication, USA, 2016, 338-363.
 - 4- Javadzadeh Y., **Adibkia K.**, Hamishekar H., Transcutol® (Diethylene Glycol Monoethyl Ether): A Potential Penetration Enhancer In: Dragicevic, Nina, Maibach, Howard I. (Eds.), Percutaneous Penetration Enhancers Chemical Methods in Penetration Enhancement, Springer, 2015, 195-205.
 - 5- Shokri J., **Adibkia K.**, Application of Cellulose and Cellulose Derivatives in Pharmaceutical Industries In: van de Ven T., Godbout L., (Eds.), Cellulose – Medical, Pharmaceutical and Electronic Applications, In Tech Open Access Publisher, Croatia, 2013, 47-66.

Papers:

- 1- Mohaghegh S., Tarighatnia A., Omid Y., Barar J., Aghanejad A., **Adibkia K.**, Multifunctional magnetic nanoparticles for MRI-guided co-delivery of erlotinib and L-asparaginase to ovarian cancer, Journal of Microencapsulation, In Press. **[Corresponding author]**
- 2- Zakhireh S., Barar J., **Adibkia K.**, Beygi-Khosrowshahi Y., Fathi M., Omidain H., Omid Y., Bioactive Chitosan-Based Organometallic Scaffolds for Tissue Engineering and Regeneration, Topics in Current Chemistry, 2022, 380: 1-47.
- 3- **Zakhireh S.**, Omid Y., Beygi-Khosrowshahi Y., Mohajel-Kazemi E., Barar J., **Adibkia K.**, Anticancer potential of Pistacia vera L. pollen shell in-vitro using human

osteosarcoma cell line MG63, ACTA Pharmaceutica Scientia, In Press.
[Corresponding author]

- 4- Kazeminava F., Javanbakht S., Nouri M., **Adibkia K.**, Ganbarov K., Yousefi M., Ahmadi M., Gholizadeh P., SamadiKafil H., Electrospun nanofibers based on carboxymethyl cellulose/polyvinyl alcohol as a potential antimicrobial wound dressing, International Journal of Biological Macromolecules, 2022, 214: 111-119.
- 5- Maleki-Ghaleh H., HosseinSiadati M., Omidi Y., Kavanlouei M., Barar J., Akbari-Fakhrabadi A., **Adibkia K.**, Beygi-Khosrowshahi Y., Synchrotron SAXS/WAXS and TEM studies of zinc doped natural hydroxyapatite nanoparticles and their evaluation on osteogenic differentiation of human mesenchymal stem cells, Materials Chemistry and Physics, 2022, 276: 125346. [Corresponding author]
- 6- Mehdizadeh F., Barzegar-Jalali M., Izadi E., Osouli-Bostanabad K., Mohaghegh S., Shakeri M., Nazemiyeh H., Omidi Y., **Adibkia K.**, Green and chemical reduction approaches for facile pH-dependent synthesis of gold nanoparticles, Inorganic and Nano-Metal Chemistry, 2022, 1-9, in press. [Corresponding author]
- 7- Mehdizadeh F., Mohammadzadeh R., Nazemiyeh H., Mesgari-Abbasi M., Barzegar-Jalali M., EskandanI M., **Adibkia K.**, Electrosprayed Nanoparticles Containing Hydroalcoholic Extract of Echinacea Purpurea (L.) Moench Stimulates Immune System by Increasing Inflammatory Factors in Male Wistar Rats, Advanced Pharmaceutical Bulletin, 2022, in press. [Corresponding author]
- 8- Ehsani A., Jodaei Asma., Barzegar-Jalali M., Fathi E., Farahzadi R., **Adibkia K.**, Nanomaterials and Stem Cell Differentiation Potential: An Overview of Biological Aspects and Biomedical Efficacy, Current Medicinal Chemistry, 2022, 29: 1804-1823.
- 9- Zakhireh S., Omidi Y., Beygi-Khosrowshahi Y., Barzegari A., Barar J., **Adibkia K.**, Synthesis and biological impacts of pollen shells/Fe₃O₄ nanoparticles composites on human MG-63 osteosarcoma cells, Journal of Trace Elements in Medicine and Biology, 2022, 71: 126921. [Corresponding author]

- 10- Zakhireh S., Barar J., Beygi-Khosrowshahi Y., Barzegari A., Omid Y., **Adibkia K.**, Hollow pollen grains as scaffolding building blocks in bone tissue engineering, *Bioimpacts*, 2022, 12(3): 183–193. **[Corresponding author]**
- 11- Vandghanooni S., Sanaat Z., Barar J., **Adibkia K.**, EskandanI M., Omid Y., Recent advances in aptamer-based nanosystems and microfluidics devices for the detection of ovarian cancer biomarkers, *TrAC Trends in Analytical Chemistry*, 2021, 143: 116343.
- 12- Maleki-Ghaleh H., Hossein Siadati M., Fallah A., Zarrabi A., Afghah F., Koc B., Dalir Abdolahinia A., Omid Y., Barar J., Akbari-Fakhrabadi A., Beygi-Khosrowshahi Y., **Adibkia K.**, Effect of zinc-doped hydroxyapatite/graphene nanocomposite on the physicochemical properties and osteogenesis differentiation of 3D-printed polycaprolactone scaffolds for bone tissue engineering, *Chemical Engineering Journal*, 2021, 426: 131321. **[Corresponding author]**
- 13- Maleki-Ghaleh H., Siadati M., Fallah A., Koc B., Kavanlouei M., Khademi-Azandehi P., Moradpur-Tari E., Omid Y., Barar J., Beygi-Khosrowshahi Y., Kumar A., **Adibkia K.**, Antibacterial and cellular behaviors of novel zinc-doped hydroxyapatite/graphene Nanocomposite for bone tissue engineering, *International Journal of Molecular Sciences*, 2021, 22: 9564. **[Corresponding author]**
- 14- Hashemzadeh N., Dolatkah M., **Adibkia K.**, Aghanejad A., Barzegar-Jalali M., Omid Y., Barar J., Recent advances in breast cancer immunotherapy: The promising impact of nanomedicines, *Life Sciences*, 2021, 271: 119110.
- 15- **Adibkia K.**, Ehsani A., Jodaei Asma., Fathi E., Farahzadi R., Barzegar-Jalali M., Silver nanoparticles induce the cardiomyogenic differentiation of bone marrow derived mesenchymal stem cells via telomere length extension, *Beilstein Journal of Nanotechnol.* 2021, 12:786–797.
- 16- Dolatkah M., Hashemzadeh N., Barar J., **Adibkia K.**, Aghanejad A., Barzegar-Jalali M., Omidain H., Omid Y., Stimuli-responsive graphene oxide and methotrexate-loaded magnetic nanoparticles for breast cancer-targeted therapy, *Nanomedicine*, 2021,16: 2155-2174.

- 17- Hashemzadeh N., Aghanejad A., Dalir Abdolahinia A., Barzegar-Jalali M., Omid Y., Barar J., **Adibkia K.**, Targeted combined therapy in 2D and 3D cultured MCF-7 cells using metformin and erlotinib-loaded mesoporous silica magnetic nanoparticles, *Journal of Microencapsulation*, 2021, 38: 472-485. [**Corresponding author**]
- 18- Hashemzadeh N., Dolatkah M., Aghanejad A., Barzegar-Jalali M., Omid Y., **Adibkia K.**, Barar J., Folate receptor-mediated delivery of 1-MDT-loaded mesoporous silica magnetic nanoparticles to target breast cancer cells, *Nanomedicine*, 2021,16: 2137-2154.[**Corresponding author**]
- 19- Khalili Y., Memar M., Farajnia S., **Adibkia K.**, Samadi Kafil H., Ghotaslou R., Molecular epidemiology and carbapenem resistance of *Pseudomonas aeruginosa* isolated from patients with burns, *Journal of Wound Care*, 2021, 30:135-141.
- 20- Sheikhy S., Safekordi A., Ghorbani M., **Adibkia K.**, Hamishehkar H., Synthesis of novel superdisintegrants for pharmaceutical tableting based on functionalized nanocellulose hydrogels, *International Journal of Biological Macromolecules*, 2021, 167: 667-675.
- 21- Memar M., **Adibkia K.**, Farajnia S., Samadi Kafil H., Khalili Y., Azargun R., Ghotaslou R., In-vitro Effect of Imipenem, Fosfomycin, Colistin, and Gentamicin Combination against Carbapenem-resistant and Biofilm-forming *Pseudomonas aeruginosa* Isolated from Burn Patients, 2021, 20: 286–296.
- 22- Yaqoubi S., Chan H., Nokhodchi A., Dastmalchi S., Alizadeh A., Barzegar-Jalali M., **Adibkia K.**, Hamishehkar H., A quantitative approach to predicting lung deposition profiles of pharmaceutical powder aerosols, *International Journal of Pharmaceutics*, 2021, 602: 120568.
- 23- Barzegar-Jalali M., Mazaher Haji Aghab E., **Adibkia K.**, Hemmatic S., Martinez F., Jouybane A., Solubility of mesalazine in {acetonitrile+water} mixtures at various temperatures, *Physics and Chemistry of Liquids*, 2021, 59: 690-705.

- 24- Barzegar-Jalali M., Mazaher Haji Agha E., Mirheydari SN., **Adibkia K.**, Martinez F., Jouyban A., Measurement and modelling of the solubility for ketoconazole in {acetonitrile + water} mixtures at T= (293.2 to 313.2) K, Physics and Chemistry of Liquids, 2021, 59: 331-344.
- 25- Zakhireh S., Omid Y., Beygi-Khosrowshahi Y., Aghanejad A., Barar J., **Adibkia K.**, Biocompatibility Evaluation of Hollow Pollen Grains/Fe₃O₄ Nanoparticles Composites as Potential Medical Devices, International Journal of Nanoscience, 2021, 20: 2150048.
[Corresponding author]
- 26- Mazaher Haji Agha E., Barzegar-Jalali M., Mirheydari S., **Adibkia K.**, Martinez F., Jouyban A., Trained models for solubility prediction of drugs in acetonitrile + water mixtures at various temperatures, Physics and Chemistry of Liquids, 2021, 59: 169-180.
- 27- Mohammadi G., Fathian-Kolahkaj M., Mohammadi P., **Adibkia K.**, Fattahi A., Preparation, Physicochemical Characterization and Anti-Fungal Evaluation of Amphotericin B-Loaded PLGA-PEG-Galactosamine Nanoparticles, Advanced Pharmaceutical Bulletin, 2021, 11(2): 311–317.
- 28- Yaqoubi S., **Adibkia K.**, Nokhodchi A., Emami S., Alizadeh A., Hamishehkar H., Barzegar-Jalali M., Co-electrospraying technology as a novel approach for dry powder inhalation formulation of montelukast and budesonide for pulmonary co-delivery, International Journal of Pharmaceutics, 2020, 591: 119970.
- 29- Farhang S., Seif-Farshad M., **Adibkia K.**, Samiei M., Somi M., Learned Lessons from the Research Activities of Tabriz University of Medical Sciences During COVID-19 Pandemic, Depiction of Health, 2020, 11: 290-297.
- 30- Zakhireh S., **Adibkia K.**, Beygi-Khosrowshahi Y., Barzegar-Jalali M., Osteogenesis Promotion of Selenium-Doped Hydroxyapatite for Application as Bone Scaffold, Biological Trace Element Research, 2020, 199: 1802–1811.
- 31- Dolatkhah M., Hashemzadeh N., Barar J., **Adibkia K.**, Aghanejad A., Barzegar-Jalali M., Omid Y., Graphene-based multifunctional nanosystems for simultaneous detection

- and treatment of breast cancer, *Colloids and Surfaces B: Biointerfaces*, 2020, 193: 111104.
- 32- Salatin S., Barar J., Barzegar-Jalali M., **Adibkia K.**, Alami-Milani M., Jelvehgari M., Formulation and evaluation of eudragit RL-100 nanoparticles loaded in-situ forming gel for intranasal delivery of rivastigmine, *Advanced Pharmaceutical Bulletin*, 2020, 10 (1), 20-29.
- 33- Mohaghegh S., Osouli-Bostanabad K., Nazemiyeh H., Javadzadeh Y., **Adibkia K.**, A comparative study of eco-friendly silver nanoparticles synthesis using *Prunus domestica* plum extract and sodium citrate as reducing agents, *Advanced Powder Technology*, 2020, 31(3), 1169-1180. **[Corresponding author]**
- 34- Dehghani J., **Adibkia K.**, Movafeghi A., Maleki-Kakelar H.a, Saeedi N., Omid Y. Towards a new avenue for producing therapeutic proteins: Microalgae as attempting green biofactory, *Biotechnology Advances*, 2020, 40: 107499.
- 35- Barzegar-Jalali M., Mazaher Haji Agha E., **Adibkia K.**, Martinez F., Jouyban A., Solubility of ketoconazole in 1,4-dioxane + water mixtures at $T = (293.2 \text{ to } 313.2) \text{ K}$, *Journal of Molecular Liquids*, 2020, 306: 112830.
- 36- Barzegar-Jalali M., Mazaher Haji Agha E., **Adibkia K.**, Martinez F., Jouyban A., The solubility of ketoconazole in binary carbitol+water mixtures at $T=(293.2\text{--}313.2) \text{ K}$. *Journal of Molecular Liquids*, 2020, 297 : 111756.
- 37- Dehghani J., **Adibkia K.**, Movafeghi A., Pourseif M., Omid Y., Designing a new generation of expression toolkits for engineering of green microalgae; robust production of human interleukin-2, *BioImpacts: BI*, 2020, 10: 259. **[Corresponding author]**
- 38- Mazaher Haji Agha E., Barzegar-Jalali M., **Adibkia K.**, Hemmati S., Martinez F., Jouyban A., Solubility and thermodynamic properties of mesalazine in {2-propanol + water} mixtures at various temperatures, *Journal of Molecular Liquids*, 2020, 301 : 112474.

- 39- Azari F., Ghanbarzadeh S., Safdari R., Yaqoobi S., **Adibkia K.**, Hamishehkar H., Development of a Carrier Free Dry Powder Inhalation Formulation of Ketotifen for Pulmonary Drug Delivery, *Arzneimittelforschung/Drug Research*, 2020, 70 (1), 26-32.
- 40- Mazaher Haji Agha E., Barzegar-Jalali M., **Adibkia K.**, Hemmati S., Kuentz M., Martinez F., Jouyban A., Solubility of mesalazine in {1-propanol/water} mixtures at different temperatures, *Journal of Molecular Liquids*, 2020, 301 : 112436.
- 41- Memar MY, **Adibkia K.**, Farajnia S., Samadi Kafil H., Maleki Dizaj S., Ghotaslou R., Biocompatibility, cytotoxicity and antimicrobial effects of gentamicin-loaded CaCO₃ as a drug delivery to osteomyelitis, *Journal of Drug Delivery Science and Technology*, 2019, 54:101307.
- 42- Maleki S., Sharifi G., Ahmadian E., Eftekhari, **Adibkia K.**, Lotfipoor F., An update on calcium carbonate nanoparticles as cancer drug/gene delivery system, *Expert Opinion on Drug Delivery*, 2019,16(4), 331-345.
- 43- **Adibkia K.**, Selselehjonban S., Emami S., Osouli-Bostanabad K., Barzegar-Jalali M., Electrosprayed polymeric nanobeads and nanofibers of modafinil: preparation, characterization, and drug release studies, *BioImpacts*, 2019, 9(3), 179-188.
- 44- **Adibkia K.**, Ghajar S., Osouli-Bostanabad K., Balaei N., Emami S., Barzegar-Jalali M., Novel Gliclazide Electrosprayed Nano-Solid Dispersions: Physicochemical Characterization and Dissolution Evaluation, *Advanced Pharmaceutical Bulletin*, 2019, 9 (2), 231-240.
- 45- Mirzaeei S., Mohammadi G., Fattahi N., Mohammadi P., Fattahi A., Nikbakht MR., **Adibkia K.**, Formulation and Physicochemical Characterization of Cyclosporine Microfiber by Electrospinning, *Advanced Pharmaceutical Bulletin*, 2019, 9 (2), 249-254.
- 46- Selselehjonban S., Garjani A., Osouli-Bostanabad K., Tanhaei A., Emami S., **Adibkia K.**, Barzegar-Jalali M., Physicochemical and pharmacological evaluation of carvedilol eudragit® RS100 electrosprayed nanostructures, *Iranian Journal of Basic Medical Sciences*, 2019, 22 (5), 547-556. **[Corresponding author]**

- 47- Memar MY., **Adibkia K.**, Farajnia S., Samadi-Kafil H., Yekani M., Alizadeh N., The grape seed extract: a natural antimicrobial agent against different pathogens, *Reviews in Medical Microbiology*, 2019, 30:173–182.
- 48- Hashemzadeh N., **Adibkia K.**, Barar J., Indoleamine 2, 3-dioxygenase inhibitors in immunochemotherapy of breast cancer: challenges and opportunities, *BioImpacts*, 2019, 9(4), 1-3. **[Editorial]**
- 49- Nozohouri S., Salehi R., Ghanbarzadeh S., **Adibkia K.**, Hamishehkar H., A multilayer hollow nanocarrier for pulmonary co-drug delivery of methotrexate and doxorubicin in the form of dry powder inhalation formulation, *Materials Science & Engineering C*, 2019, 99, 752–761.
- 50- **Adibkia K.**, Barzegar-Jalali M., Balaei N., Osouli-Bostanabad K., Ghajar S., Emami S., Zakhireh S., Formulation of pioglitazone –eudragit RS100 nanobeads and nanofibers using electrospraying technique, *Polymer Science*, 2019, 61 (3), 407-416.
- 51- Emami S., **Adibkia K.**, Barzegar-Jalali M., Siahi-Shadbad M., Piroxicam cocrystals with phenolic coformers: preparation, characterization, and dissolution properties, *Pharmaceutical Development and Technology*, 2019, 24 (2), 199-210.
- 52- Abedinoghli D., Charkhpour M., Osouli-Bostanabad K., Selselehjonban S., Emami S., Barzegar-Jalali M., **Adibkia K.**, Electrosprayed Nanosystems of Carbamazepine – PVP K30 for Enhancing Its Pharmacologic Effects, *Iranian Journal of Pharmaceutical Research* (2018), 17 (4): 1431-1443. **[Corresponding author]**
- 53- Dehghani J., **Adibkia K.**, Movafeghi A., Barzegari A., Pourseif MM., Maleki Kakelar H., Golchin A., Omid Y., Stable transformation of *Spirulina (Arthrospira) platensis*: a promising microalga for production of edible vaccines, *Applied Microbiology and Biotechnology*, 2018, 102(21):9267-9278.
- 54- Memar M.Y., Ghotaslou R., Samiei M., **Adibkia K.**, Antimicrobial use of reactive oxygen therapy: current insights, *Infection and Drug Resistance*, 2018, 11, 567-576. **[Corresponding author]**

- 55- Aghanejad A., Babamiri H., **Adibkia K.**, Barar J., Omid Y., Mucin-1 aptamer-armed superparamagnetic iron oxide nanoparticles for targeted delivery of doxorubicin to breast cancer cells, *BioImpacts*, 2018, 8 (2), 117-127.
- 56- Molaei A., Osouli-Bostanabad K., **Adibkia K.**, Shokri J., Asnaashari S., Javadzadeh Y., Better availability of ketoconazole by liquidsolid technique, *Acta Pharmaceutica*, 2018, 68: 325-336.
- 57- Emami S., Siahi-Shadbad M., **Adibkia K.**, Barzegar-Jalali M., Recent advances in improving oral drug bioavailability by cocrystals, *BioImpacts*, 2018, 8 (4), 305-320.
- 58- Emami S., Siahi-Shadbad M., Barzegar-Jalali M., **Adibkia K.**, Characterizing Eutectic Mixtures of Gliclazide with Succinic Acid Prepared by Electrospray Deposition and Liquid Assisted Grinding Methods, *Journal of Drug Delivery, Science and Technology*, 2018, 45, 101-109. **[Corresponding author]**
- 59- Osouli-Bostanabad K., **Adibkia K.**, Made on-demand, Complex and Personalized 3D Printed Drug Products, *BioImpacts*, 2018, 8 (2), 77-79. **[Editorial, Corresponding author]**
- 60- Baghershiroudi M., Safa K.D., **Adibkia K.**, Lotfipour F., Bulky organosilicon compounds based on sulfanyltetrazoles: their synthesis and in vitro antibacterial evaluation, *Journal of the Iranian Chemical Society*, 2018, 15 (6), 1279-1286.
- 61- Emami S., Siahi-Shadbad M., Barzegar-Jalali M., **Adibkia K.**, Feasibility of electrospray deposition for rapid screening of the cocrystal formation and single step, continuous production of pharmaceutical nanococrystals, *Drug Development and Industrial Pharmacy*, 2018, 44(6), 1034-47. **[Corresponding author]**
- 62- Garjani A., Barzegar-Jalali M., Osouli-Bostanabad K., Ranjbar H., **Adibkia K.**, Morphological and Physicochemical Evaluation of the Propranolol HCl - Eudragit® RS100 Electrosprayed Nanoformulations, *Artificial Cells, Nanomedicine and Biotechnology*, 2018, 46(4), 749-756. **[Corresponding author]**

- 63- Salatin S., Barar J., Barzegar-Jalali M., **Adibkia K.**, Kiafar F., Jelvehgari M., An alternative approach for improved entrapment efficiency of hydrophilic drug substance in PLGA nanoparticles by interfacial polymer deposition following solvent displacement, *Jundishapur Journal of Natural Pharmaceutical Products*, 2018, 13(4):e12873.
- 64- Baghershiroudi M., Safa K.D., **Adibkia K.**, Lotfipour F. Synthesis and antibacterial evaluation of new sulfanyltetrazole derivatives bearing piperidine dithiocarbamate moiety, *Synthetic Communications*, 2018, 48 (3), 323-328.
- 65- Salatin S., Barar J., Barzegar-Jalali M., **Adibkia K.**, Jelvehgari M., Thermosensitive in situ nanocomposite of rivastigmine hydrogen tartrate as an intranasal delivery system: Development, characterization, ex vivo permeation and cellular studies, *Colloids and Surfaces B: Biointerfaces*, 2017, 159, 629-638.
- 66- **Adibkia K.**, Saghakhaneh S., Barzegar-Jalali M., Hamishehkar H., Jahangiri A., Application of dry milling in the preparation of amorphous ezetimibe/Polyvinylpyrrolidone-K30 dispersions, *Latin American Journal of Pharmacy*, 2017, 36 (4), 694-700.
- 67- Mohammadi G., Namadi E., Mikaeili A., Mohammadi P., **Adibkia K.**, Preparation and physicochemical characterization of the nystatin-loaded Eudragit RS100/PLGA nanoparticles and evaluation of their anti-fungal properties against *Candida albicans*, *Journal of Drug Delivery Science and Technology*, 2017, 38, 90-96.
- 68- Mohammadi G., Shakeri A., Fattahi A., Mohammadi P., Mikaeili A., Aliabadi A., **Adibkia K.**, Preparation, physicochemical characterization and anti-fungal evaluation of Nystatin-Loaded PLGA-Glucosamine nanoparticles, *Pharmaceutical Research*, 2017, 34, 301-309.
- 69- Salatin S., Barar J., Barzegar-Jalali M., **Adibkia K.**, Kiafar F., Jelvehgari M., Development of a nanoprecipitation method for the entrapment of a very water soluble drug into Eudragit RL nanoparticles, *Research in Pharmaceutical Sciences (RPS)*, 2017, 12 (1), 1-14.

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