

بسمه تعالی

اطلاعات فردی:

نام: مرتضی نام خانوادگی: قندادی تاریخ تولد: ۱۳۶۳/۳/۲۰

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سوابق تحصیلی

❖ دکترای تخصصی Ph.D. دانشگاه علوم پزشکی مازندران

رشته تحصیلی: بیوتکنولوژی دارویی

عنوان پایان نامه: بررسی مسیرهای MAPK و متابولیسم ROS در سیگنالینگ TNF- α در سلول‌های

آدنوکارسینومای پستان MCF-7 و نوع مقاوم به داروی میتوکسانترون

اساتید راهنما: سرکار خانم دکتر مصفا، جناب آقای دکتر بهروان، جناب آقای دکتر آبنوس

❖ دکترای عمومی

رشته تحصیلی: داروسازی دانشگاه: علوم پزشکی تبریز

عنوان پایاننامه: تهیه و بررسی *invivo* نانوپارتیکل‌های پلی استری جدید جهت استفاده در سیستم‌های

دارورسانی خوراکی انسولین.

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PharmD: Tabriz university of medical sciences 2003-2009

PhD of Pharmaceutical biotechnology: Mashhad university of medical sciences 2010-2015

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Teaching:

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Pharmaceutical biotechnology

Biological products

Cell culture

Marine biotechnology

Published articles:

1. **MortezaGhandadi**, Ali Shayanfar, Maryam Hamzeh-Mivehroud, Abolghasem Jouyban. Quantitative structure activity relationship and docking studies of imidazole-based derivatives as P-glycoprotein inhibitors. *Medicinal Chemistry Research*(2014) 23:4700–471.
2. Khalil Abnous, Batoul Barati, Soghra Mehri, Mohammad Reza Masboghi Farimani, Mona Alibolandi, Fatemeh Mohammadpour, **MortezaGhandadi** and Farzin Hadizadeh. Synthesis and molecular modeling of six novel monastrol analogues: evaluation of cytotoxicity and kinesin inhibitory activity against HeLa cell line. *Daru*. 2013; 21(1): 70.
3. TayebeAsghari, Mehdi Bakavoli, Mohammad Rahimizadeh, Hossein Eshghi, Sattar Saberi, Azam Karimian, Farzin Hadizadeh, **Moreteza Ghandadi**. Synthesis and evaluation of a new series of 3,5-bis((5-bromo-6-methyl-2-t-aminopyrimidin-4-yl)thio)-4H-1,2,4-triazol-4-amines and their cyclized products 'pyrimidinylthiopyrimidotriazolothiadiazines' as 15- lipo-oxygenase inhibitors. *Chemical Biology & Drug Design* . 2015 Feb;85(2):216-24.
4. Atieh Sadat Davari, Khalil Abnous, Soghra Mehri, **MortezaGhandadi**, Farzin Hadizadeh. Synthesis and biological evaluation of novel pyridine derivatives as potential anticancer agents and phosphodiesterase-3 inhibitors. *BioorgChem* 57 (2014) 83–89.
5. Jamal Kasaian, Fatemeh Mosaffa, Javad Behravan, Milena Masullo, Sonia Piacente, **Morteza Ghandadi**, Mehrdad Iranshahi. Reversal of P-glycoprotein-mediated multidrug resistance in MCF-7/Adr cancer cells by sesquiterpene coumarins. *Fitoterapia* 103 (2015) 149–154.

6. Seyed Adel Moallem, Mohsen Imenshahidi, Narges Shahini, Ahmad Reza Javan, Mohsen Karimi, Mona Alibolandi, **Morteza Ghandadi**, Leila Etemad, Vahideh sadat Motamed shariaty, Toktam Hosseini, and Farzin Hadizadeh. Synthesis, Anti-Inflammatory and Anti- Nociceptive Activities and Cytotoxic Effect of Novel Thiazolidin-4-ones Derivatives as Selective Cyclooxygenase (COX-2) Inhibitors. Iran J Basic Med Sci. 2013 Dec; 16(12): 1238–1244.
7. Bahman Khameneh, Milad Iranshahy, **MortezaGhandadi**, Davod Ghoochi Atashbeyk, BibiSedigheh Fazly Bazzaz, and Mehrdad Iranshahi. Investigation of the antibacterial activity and efflux pump inhibitory effect of co-loaded piperine and gentamicin anoliposomes in methicillin-resistant Staphylococcus aureus. Drug DevInd Pharm. 2015 Jun;41(6):989-94.
8. **MortezaGhandadi**, Negin Haj-Ali, Javad Behravan, Khalil Abnous, Atieh Mohammadi, Melika Ehtesham Gharaee and Fatemeh Mosaffa. TNF- α exerts higher cytotoxic effect on MCF-7 multidrug resistant derivative, role of Akt activation. Breast Dis, 2015 Nov;17;35(4):241-7
9. **Morteza Ghandadi**, Amirhossein Sahebkar. MicroRNA-34a and its target genes: Key factors in cancer multidrug resistance. Current Pharmaceutical Design. Epub ahead of print, available online at:
<http://www.ncbi.nlm.nih.gov/pubmed/26648462>
10. **MortezaGhandadi**, Amirhossein Sahebkar. Interleukin-6: A Critical Cytokine in Cancer Multidrug Resistance. Current Pharmaceutical Design. Epub ahead of print, available online at:
<http://www.ncbi.nlm.nih.gov/pubmed/26601970>
11. Milad Iranshahy, Zahra Tayarani-Najaran, Jamal Kasaian, **MortezaGhandadi**, Seyed Ahmad Emami, JavadAsili, Jima N. Chandran, Bernd Schneider and Mehrdad

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12. Ali Shayanfar, Shadi Shayanfar, **Morteza Ghandadi**. Image-based analysis to predict Tariquidar analogs as p-glycoprotein inhibitors: The importance of external validation. *Archiv der Pharmazie*. Epub ahead of print, available online at:

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13. **Morteza Ghandadi**, Javad Behravan, Khalil Abnous, Fatemeh Mosaffa. Reactive oxygen species mediate TNF- α cytotoxic effects in multidrug resistant breast cancer cell line MCF-7/MX. *Oncology Research and Treatment*. Epub ahead of print, available online at:

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14. Bahman Khameneh, Mohammad Reza Saberi, Hamid Mohammadpanah, **Morteza Ghandadi**, Mehrdad Iranshahi, Ali Baratian, Mahmoud Reza Jaafari. Evaluation of physicochemical and stability properties of human growth hormone upon enzymatic PEGylation. *Journal of Applied Biomedicine*, Volume 14, Issue 4, November 2016, Pages 257–264.

15. **Morteza Ghandadi**, Atieh Mohammadi, Javad Behravan, Khalil Abnous, Negin Haj-Ali, Melika Ehtesham Gharaee, Hermann Lage, Fatemeh Mosaffa. Inhibition of Akt phosphorylation attenuates resistance to TNF- α cytotoxic effects in MCF-7 cells, but not in its doxorubicin resistant derivative. *Iranian journal of basic medical sciences*. 2016 Dec; 19(12): 1363–1367.

- 16.** Inhibitory Effects of *Salinispora*-derived Metabolites Against Multidrug Resistance: An In-silico Study M Ghandadi, Pharmaceutical and Biomedical Research
- 17.** The implication of mitochondrial dysfunction and mitochondrial oxidative damage in di (2-ethylhexyl) phthalate induced nephrotoxicity in both in vivo and in vitro models. S Ashari, M Karami, M Shokrzadeh, M Ghandadi, N Ghassemi-Barghi. *Toxicology Mechanisms and Methods* 30 (6), 427-437
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- 19.** Combating Antimicrobial Resistance Crisis, the Role of Biotechnology. M Ghandadi, Tabari Biomedical Student Research Journal. DOI: 10.18502/tbsrj.v2i1.2576
- 20.** Wnt- β -catenin Signaling Pathway, the Achilles' Heels of Cancer Multidrug Resistance. M Ghandadi, R Valadan, H Mohammadi, J Akhtari, S Khodashenas. *Current Pharmaceutical Design* 25 (39), 4192-4207
- 21.** Colchicine-like β -acetamidoketones as inhibitors of microtubule polymerization: Design, synthesis and biological evaluation of in vitro anticancer activity. E Karimikia, J Behravan, A Zarghi, M Ghandadi, SO Malayeri, R Ghodsi. *Iranian Journal of Basic Medical Sciences* 22 (10), 1138