

مشخصات فردی

نام : رضا

نام خانوادگی : محمدزاده

تاریخ تولد : ۱۳۵۷

شروع به خدمت : ۱۳۹۱/۱۰/۲۵

واحد سازمانی : استادیار

درجه / رتبه : دکترا

گروه آموزشی : زیست شناسی سلولی مولکولی

تلفن داخلی :

تلفن مستقیم :

فاکس :

موبایل : ۰۹۳۸۱۹۸۳۳۶۴

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رشته تحصیلی: ژنتیک

تحصیلات : دکترا

محل تحصیل : پژوهشگاه ملی مهندسی ژنتیک و بیوتکنولوژی

تاریخ ایجاد : یازدهم مرداد ۱۳۹۴

تاریخ بروزرسانی : بیست و یکم تیر ۱۳۹۶



: Google Scholar Link

بیوگرافی

توضیحات

صفحه شخصی

خوش آمدید

سوابق تحصیلی

- لیسانس زیست شناسی - دانشگاه بوعلی سینا همدان

- فوق لیسانس سلولی و مولکولی - دانشگاه رازی و پژوهشگاه ملی مهندسی ژنتیک و بیوتکنولوژی

- دکتری تخصصی ژنتیک مولکولی - پژوهشگاه ملی مهندسی ژنتیک و بیوتکنولوژی

اختراعات

کارگاه ها

علايق

طرح درس

زمینه های پژوهشی

Current Research:

Targeted delivery of L-Asparaginase II into ALL cells using chitosan-based nanoparticles and studying the expression of apoptosis-related genes (M. Sc thesis-95)

Study of simultaneous effect of doxorubicin and miR-34a on induction of apoptosis in T-cell acute lymphoblastic leukemia (T-ALL) (M. Sc thesis-95)

Evaluation of pDNA-Loaded chitosan-based nanoparticles for targeted gene delivery to cancer cells toward development of DNA vaccines (M. Sc thesis-95)

Chimeric recombinant expression of S₁ and HN antigens in *Escherichia coli* and their formulation by chitosan Nanocomposites toward development of a chimeric nanovaccine against Newcastle disease and infectious bronchitis virus of poultry (M. Sc thesis)

Optimizations of targeted gene delivery system into cancer cell based on acid folic ligand/chitosan Nano composites/anti-cancer drug or gene (M.Sc thesis-95)

Analysis of apoptotic pathway genes expression in HL60 Cell Line exposed to *Oreganum vulgare* nanoparticles (M. Sc thesis - 94)

Silencing of bcl1 and Sall1 gene by small interfering RNA-mediation regulates invasive and expression level of miR-203, miR-145, matrix metalloproteinase-9, and CXCR4 receptor in breast cancer cells (M. Sc thesis-93)

Evaluation of colorectal cancer p53 mutation in North West of Iran patients using non-invasive method (M. Sc thesis)

Designs and construction of targeted gene delivery system based on chitosan Nano composites (M. Sc thesis-93)

Isolation, cloning and expression of *Aspergillus niger* L-Arginase in *Pichia pastoris* and immobilization on chitosan nanocomposites (M. Sc thesis-93)

Study of mutations in the Androgen Receptor-LBD Gene in Males with Idiopathic Infertility (M. Sc thesis-93)

Optimizing the detection method of recombinant Soya and corn oils imported using PCR (M. Sc thesis-92).

Isolation, cloning and expression of Bacterial L- Asparaginase genes in *Pichiapastoris*/ pET system and immobilization in chitosan base nanocomposites (M. Sc thesis-92).

Study the association of VDR and NOD2 genes polymorphisms with Parkinson disease using PCR-RFLP techniques in Iranian population (M. SC thesis-91)

Molecular characterizations of S1 gene of avian infectious bronchitis virus isolated from layer flocks with nephropathy and urolithiasis in North-east of Iran (M. Sc thesis - 91)

همکاری با تحریریه مجلات علمی

پروژه های تحقیقاتی خارج از دانشگاه

- Study of simultaneous effect of doxorubicin and miR-34a on induction of apoptosis in T-cell acute lymphoblastic leukemia (T-ALL) (مشترک با دکتر بهزاد برادران - ایمونولوژی از دانشگاه علوم پزشکی تبریز، رئیس مرکز تحقیقات ایمونولوژی)
- Determining the prevalence of genes involved in biofilm formation in *Acinetobacter baumannii* isolates isolated from patients at hospitals in Tabriz (دکتر بهروز نقی - متخصص بیماری های عفونی و گرمسیری از دانشگاه علوم پزشکی تبریز و دکتر صفر فرج نیا - بیوتکنولوژی از دانشگاه علوم پزشکی تبریز)

پروژه های تحقیقاتی

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- Targeted delivery of L-Asparaginase II into ALL cells using chitosan-based nanoparticles and studying the expression of apoptosis-related genes (M. Sc thesis-95)
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- انجمن ژنتیک ایران
- انجمن بیوتکنولوژی ایران
- انجمن زیست شناسی ایران
- انجمن ایمنی زیستی ایران

- نماینده دانشگاه در ستاد زیست فناوری ریاست جمهوری
- مدیر گروه زیست شناسی دانشگاه مراغه (96/6/28 الی ادامه دارد)

- مهندسی ژنتیک پروکاریوتها- مقطع کارشناسی ارشد رشته ژنتیک و رشته بیوتکنولوژی
- مهندسی ژنتیک یوکاریوتها- مقطع کارشناسی ارشد رشته ژنتیک و رشته بیوتکنولوژی
- ژنتیک سرطان - مقطع کارشناسی ارشد رشته ژنتیک
- ژنتیک انسانی- مقطع کارشناسی ارشد رشته ژنتیک
- سیتوژنتیک- مقطع کارشناسی ارشد رشته ژنتیک
- ژنتیک مولکولی پزشکی- مقطع کارشناسی رشته زیست فناوری
- بیولوژی مولکولی- مقطع کارشناسی رشته زیست فناوری و سلولی و مولکولی میکروبی
- بیوتکنولوژی پزشکی- مقطع کارشناسی رشته زیست فناوری

Article and Conference Abstracts:

- Mansoor Aletaha, Masoumeh Sattarivand, Reza Mohammadzadeh*, [Behzad Baradaran](#)*, **Post-transcriptional sail1 silencing using siRNA effect the expression level of miR-143, CXCR4 receptors and cell proliferation/growth in MDA_MB-468 cells** (submitted in Cancer Biomarker journal. 2017)
- Masoumeh Sattarivand, Roghaya Rahmani, Reza Mohammadzadeh*. **Investigating the expression level of miR-143 and Matrix of Metalloproteinase-9 (MMP-9) after silencing bach1 gene by siRNA in MDA-MB-468 Cell Line** (submitted in Cancer Causes & Control journal. 2017)
- Reza Mohammadzadeh*, Mojgan Saeid Harouyan and Seyed Mansour Ale Taha. **Silencing of bach1 gene by small interfering RNA-mediation regulates invasive and expression level of miR-203, miR-145, matrix metalloproteinase-9, and CXCR4 receptor in MDA-MB-468 breast cancer cells.** Tumor Biology, March 2017: 1–11.
- [Reza Mohammadzadeh*](#), [Maryam Agheshlouie](#), [Gholam Reza Mahdavinia](#). **Expression of Chitinase Gene in BL21 pET system and investigating the biocatalytic performance of Chitinase-loaded AlgSep nanocomposite beads.** International journal of biological macromolecules, March 2017, DOI: 10.1016/j.ijbiomac.2017.03.119
- [Reza Pazhouesh](#), [Reza Mohammadzadeh*](#), [Nazila Moghtaran](#). Iran. Conference: 7th International Congress of Biology, Tabriz, Iran. April 2016.
- [Reza Mohammadzadeh*](#), [Reza Pazhouesh](#). **Association of VDR FokI and ApaI Genetic Polymorphisms with Parkinson's Disease Risk in South Western Iranian Population.** Acta Medica International, January 2016, DOI: 10.5530/ami.2016.1.24.
- [Reza Mohammadzadeh](#), [Mostafa Motalebi](#), [Mohammadreza Zamani](#), Zahra Moghaddassi Jahromi, [Peyman Norouzi](#), [Manuel Benedetti](#), [Giulia De Lorenzo](#). **Generation of transgenic sugar beet (Beta vulgarism L.) overexpressing the polygalacturonase inhibiting protein 1 of Phaseolus vulgaris (PvPGIP1) through Agrobacterium-mediated transformation.** Turkish Journal of Agriculture and Forestry, January 2015.
- [Reza Mohammadzadeh](#), [Mohammadreza Zamani](#), [Mostafa Motalebi](#), [Paiman Norouzi](#), [Esmat Jourabchi](#)1, [Manuel Benedetti](#) and [Giulia De Lorenzo](#). **Agrobacterium tumefaciens-mediated introduction of the polygalacturonase inhibiting protein 2 (PvPGIP2) from Phaseolus vulgaris gene into sugar beet (Beta vulgaris L.).** AJCS 6(8), 2012:1290-1297
- [Mohammadzadeh R.](#), [Motalebi M.](#), and [Zamani M.R.](#) 2006. **"Expression of β -1,3 glucanase gene from Trichoderma virens in BY-2 cell suspension".** 14th Iranian Biology Conference and the Second International Conference of Biology. 29-31 Aug. Tarbiat Modares University, Tehran, I.R. of Iran
- LOCUS EF633614 2280 bp mRNA linear PLN 26-JUN-2007, DEFINITION, Hypocrea virens endo-beta 1,3-glucanase (bgnl) mRNA, ACCESSION EF633614
- LOCUS EF633613 2345 bp DNA linear PLN 26-JUN-2007. DEFINITION Hypocrea virens endo-beta 1,3-glucanase (bgnl) gene, ACCESSION EF633613 VERSION EF633613.1 GI: 149347124
- [Mohammadzadeh R](#)¹, [Zamani M.R](#)¹, [Motalebi M](#)¹ and [Bidmeshkipour A](#)² (2004), **Isolation, cloning and sequencing of Endo β -1,3 Glucanase gene from Trichoderma virens.** ¹National Institute for Genetic Engineering & Biotechnology (NIGEB), Tehran, Iran ²Biology Dept., Faculty of Science, Razi Univ., Kermanshah, Iran.

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