

Roohollah Nakhaei Sistani

CURRICULUM VITAE

Roohollah Nakhaei Sistani

January 2018

EDUCATION

2008 - 2013 Tarbiat Modarres University, Ph.D.
Major: Molecular Genetics
Advisor: Majid Sadeghizadeh, Ph.D.

2002 - 2005 Tarbiat Modarres University, M.A.
Major: Molecular Genetics
Advisor: Majid Sadeghizadeh, Ph.D.

1997 - 2002 Ferdowsi University, B.A.
Major: Plant biology

ACADEMIC EMPLOYMENT

August 2013 - **Assistant Professor**, University of Kashan
Present

HONORS AND AWARDS

PROFESSIONAL AFFILIATIONS AND SERVICES

Ad-hoc Reviewer

Journal of Genetic resources

Journal of cellular and molecular researches

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES AND INVITED BOOK CHAPTERS

1. Esmatabadi D, Javad M, Farhangi B, Montazeri M, Monfared H, Nakhaei Sistani R, et al. Up-regulation of miR-21 decreases chemotherapeutic effect of dendrosomal curcumin in breast cancer cells. *Iranian Journal of Basic Medical Sciences*. 2017;20(4):350-9.
2. Ilkhanizadeh S, Nakhaei Sistani R, Sadeghizadeh M, Ahangari G. Analysis of long-term treatment of Mu opioid receptors agonists effect on Dnm1L and Rab22a expression in HEK293 Flp-In MOP YFP. *Pathobiology research*. 2017.
3. Nakhaei Sistani R, Mohammad Soltani B, Sadeghizadeh M. Identifying microRNAs relating to morphine response in BE (2)-C cell line by microRNA profiling. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. 2017;87(2):299-305.
4. Nakhaei Sistani R, Sadatolhosseini SM. The designation of PCR test to detect hepatitis B virus and evaluate the performance of this test in screening applicants of blood transfusion organization. *Journal of Cellular and Molecular Researches*. (IN Press)
5. Nakhaei Sistani R, Sadeghizadeh M, Mohammad Soltani B. Analysis of the Effect of Chronic Morphine Treatment on miRNA Profile and Introduction of the MAPK Pathway as the Target of Differentially Expressed miRNAs. *Pathobiology research*. 2013;15(4):89-98.
6. Nakhaei Sistani R, Sadeghizadeh M, Sadari H, Kharazani Tafreshi N, Behmanesh M, Shirzad H. Detection of types 40 and 41 adenoviruses in stool samples of diarrheal children by solid phase PCR. *Iranian Journal of Biotechnology*. 2007;5(1):42-7.
7. Panahi A, Nakhaei Sistani R, Entezari M, Shirzad H, Montazeri M, Babashah S, et al. Dendrosomal Nanocurcumin Induces Changes in the Expression Levels of Heat Shock Proteins in the AGS Cell Line: Cellular Tolerance or Smart Apoptosis Induction. *Biomacromolecular Journal*. 2016;2(2):169-76.
8. Panahi A, Sadeghizadeh M, Nakhaei Sistani R. Evaluation of apoptosis induction on gastric cancer AGS cells made by polymer Nano curcumin. *Police medicine*. 2013;1(3):200-7.
9. Ranji N, Sadeghizadeh M, Karimipoor M, Shokrgozar MA, Nakhaei Sistani R, Paylakhi SH. MicroRNAs Signature in IL-2-Induced CD4+. *Biochemical genetics*. 2015;53(7-8):169-83.

10. Shirzad H, Saadati M, Nakhaei Sistani R. Inverted metabolic engineering of *E. coli* to produce PHB and simplifying of lysis process, using gene E from phage PhiX174. *JAUMS*. 2010;7:248-55.
11. Tafrihi M, Nakhaei Sistani R. Effect of acetone-derived pomegranate extract on the expression of E-cadherin and β -catenin proteins in PC-3 cells. *Journal of Cellular and Molecular Researches*. 2016;29(1):48-58.
12. Tafrihi M, Nakhaei Sistani R. E-Cadherin/ β -Catenin Complex: A Target for Anticancer and Antimetastasis Plants/Plant-derived Compounds. *Nutrition and cancer*. 2017:1-21.
13. Hosseini ES, Zarei MA, Babashah S, Sistani RN, Sadeghizadeh M, Kashani HH, et al. Studies on combination of oxaliplatin and dendrosomal nanocurcumin on proliferation, apoptosis induction, and long non-coding RNA expression in ovarian cancer cells. *Cell biology and toxicology*. 2018:1-20.

CONFERENCE PRESENTATIONS

TALKS

POSTERS

1. Panahi A, Sadeghizadeh M, Nakhaei Sistani R, editors. The study of changes in the expression levels of HSP40 heat shock proteins in response to polymeric nanocurcumin in gastric cancer cell line AGS. The 2nd Scientific-Research Conference on Biology and Horticulture in Iran; 2015: https://www.civilica.com/Paper-BPCONF02-BPCONF02_011.html.
2. Panahi A, Sadeghizadeh M, Nakhaei Sistani R, editors. The study of the effect of dendrosomic nano-curcumin on the expression levels of HSP27 heat shock protein in gastric cancer cell line AGS. The 2nd Scientific-Research Conference on Biology and Horticulture in Iran; 2015: https://www.civilica.com/Paper-BPCONF02-BPCONF02_012.html.

3. Panahi A, Sadeghizadeh M, Nakhaei Sistani R, editors. Analysis of the expression of heat shock protein HSP90 in response to polymeric nano-curcumin on gastric cancer cell line (AGS). 13th conference on biophysical chemistry; 2015.
4. Tafrihi M, Nakhaei Sistani R, editors. The effect of acetone-derived extract of pomegranate fruit on cancerous cell PC-3. 2nd National conference on modern biologicalscience and technology; 2015; Iran Malayer.
5. Nakhaei Sistani R, Salehi Siavashani M, editors. Dystrophin and muscular dystrophy. The first National Congress of Paramedical Students; 2016.
6. Nakhaei Sistani R, Salehi Siavashani M, editors. The molecular mechanism of acid resistance in human pathogens. The first National Congress of Paramedical Students; 2016.
7. Nakhaei Sistani R, Salehi Siavashani M, editors. Designing a PCR-based system to identify the HLA-DQB1 * 03 allele in a sample population from Tehran. The 3rd National conference on modern biologicalscience and technology; 2017.
8. Nakhaei Sistani R, Sadatolhosseini SM, editors. The study of the prevalence of hepatitis G virus among clients referring to Kashan Blood Transfusion Organization. The 3rd National conference on modern biologicalscience and technology; 2017.
9. Nakhaei Sistani R, Salehi Siavashani M. Cell Therapy, Approaches and Methods. The 2nd Conference on Molecular Medicine in the Diagnosis and Treatment of Diseases2016.

TEACHING EXPERIENCE

Basic Genetics and its laboratory

Molecular Genetics and its laboratory

Animal biotechnology

Molecular Biotechnology

Molecular Biology

Advanced molecular biology

Bioinformatics

Genetic engineering

Advanced biotechnology

Cell culture

Medical biotechnology

Advanced genetic engineering

Molecular biology of development (animal)