**Curriculum Vitaee**

**Family Name**: KazemiNoureini

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**Education:**

1988, Diploma of Mathematics and Physics (High School),

1989, Diploma of Natural Sciences

1993 B.Sc. Biology, Zoology Faculty of Science, University of Tehran, Iran

1996 M.Sc. Biochemistry, Faculty of Science, TarbiatModaresUniversiry, Iran

Protein Structure-function relationship using biothermodynamic analysis: the study of the effects of metal and non-metal ligands on the conformational stability of trypsin and chymotrypsin

2004 Ph.D. Biochemistry, Institute of Biochemistry and Biophysics, University of Tehran, Iran

Molecular Biology of squamous cell carcinoma of esophagus: Telomerase activity and

Differential display gene expression between normal and tumor tissues of squamous cell carcinoma of esophagus.

2005-6 Screening bioproducts inhibiting/down regulating telomerase, Institute of Pharmaceutical and Molecular Biotechnology, Heidelberg

**SELECTED abstracts presented in conferences:**

- 6th international symposium on metal ions in biology and medicine. Washington, DC, 2000

- Gene expression pattern analysis of ESCC.Second international IRCC Cancer conference and EMBO Workshop. Feb 2002; Turin, Italy

- Telomerase activty in Iranian patients with esophageal squamous cell carcinoma. S. KazemiNoureini, AA Ziaee, M. Yazdanbod, British Journal of Cancer. July 25, 2001

- Aldo-ketoreductases up-regulation in aquamous cell carcinoma of esophagus. The first international congress of cancer genetics, 13-16 Dec 2003, Tehran

- Analysis of altered gene expression pattern in squamous cell carcinoma of esophagus. Cancer of the esophagus and gastric cardia: from gene to cure 13-15 Dec 2002 Amsterdam, the Netherland

- A putative protein differentially expressed between normal tissues of esophagus and ESCC. Genomics and Cancer (Heidelberg) May 2003

- Screening plant secondary metabolites for their telomerase inhibitory potencies.31st FEBS congress, Turkey 2006

- Differential gene expression analysis in squamous cell carcinoma of esophagus Second international congress of Molecular Biology and Biochemistry, Shiraz, Iran; Nov 2007; selected young scientist for oral presentation

- Induction of senescence in cell culture by plant secondary metabolites 33rd FEBS Congress and 11th IUBMB Conference, Greece 2008

- Telomerase inhibitory potencies of plant secondary metabolites Second international congress of Molecular Biology and Biochemistry, Shiraz, Iran; Nov 2007

- Sanguinaine, the powerful apoptosis inducer in cancer cells, dose not inhibit telomerase. 15th National &3rd International conference of Biology 19-21 University of Tehran, Tehran, Iran 2008

- MDR1 expression in liver cancer cells treated with benzophenanthridine alkaloid chelidonine. 19-21 May 2008 First national congress of cellular and molecular news in noncontagious diseases. Babol, Iran.

- Growth inhibition in cancer cell culture model under long treatment with chelidonine. 19-21 May 2008 First national congress of cellular and molecular news in noncontagious diseases. Babol, Iran.

- Cytotoxic effects of the benzophenanthridinechelidonine on liver cancer cells (HepG2). J. Iran. Chem. Soc., Vol. 6, Suppl., November 2009. 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, 16-19 November 2009, Tehran, Iran

- Down regulation of catalytic subunit of telomerase in HepG2 cells by the benzophenanthridine alkaloid chelidonine. Iran. Chem. Soc., Vol. 6, Suppl., November 2009. 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, 16-19 November 2009, Tehran, Iran

- Evaluation of natural compounds for telomeic DNA interaction using FRET thermal analysis.12th Iranian congress of Biochemistry and 4th international congress of Biochemistry and Molecular Biology, 6-9 Sep 2011, Mashhad, Iran

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**Papers:**

1. BijanFarzami, HoseinNaderimanesh, SakinehKazemiNoureini. Thermodynamic and kinetic parameter changes in chymotrypsin and trypsin due to Ca (II) ligation. Metal Ions in Biology and Medicine 6: 5-8; 2000

2. SakinehKazemi-Noureini, Sergio Colonna-Romano, Abed-Ali Ziaee, Mohammad-Ali Malboobi, Mansour Yazdanbod, ParvizSetayeshgar, Bruno Maresca. Differential gene expression between squamous cell carcinoma of esophageus and its normal epithelium; altered pattern of mal, akr1c2, and rab11a expression. World J. Gastroentrology 10(12):176-1721; 2004

3. KazemiNoureini S., Ziaee A.A., Rastegar-jazii F., Yazdanbod M. Telomerase activity in Iranian patients with mSquamous Cell Carcinoma of Esophagus. Medical J. I.R.Iran 18(2):147-152; 2004

4. RastegarPouyani, E. RastegarPouyani, N., KazemiNoureini, S. Joger, U.and M. Wink. Molecular phylogeny and evolution of the Eremiaspersica complex of the Iranian Plateau (Reptilia: Lacertidea) based on sequences of the mtDNA, Zoological Journal of the Linean Society, 158: 641-660; 2008

5. KazemiNoureini S., Wink M. Transcriptional down regulation of hTERT and induction of senescence in HepG2 cells by the benzophenanthridine alkaloid chelidonine. World J. Gastroentrology 15(29): 3606-3610; 2009

6. RastegarPouyani, E. KazemiNoureini, S.Joger, U. and M. Wink. A Phylogeny of the Eremiasvelox complex of the Iranian Plateau and Central Asia (Reptilia, Lacertidae): Molecular evidence from ISSR-PCR fingerprints. Iranian Journal of Animal Biosystematics, 5: 15-25; 2009

7. RastegarPouyani, E. RastegarPouyani, N., KazemiNoureini, S. Joger, U.and M. Wink. Molecular phylogeny and evolution of the Eremiaspersica complex of the Iranian Plateau (Reptilia: Lacertidea) based on mtDNA sequences. Zoological Journal of the Linean Society.158: 641-660; 2010

8. SakinehKazemiNoureini, Michael Wink. Antiproliferative effects of crocin in HepG2 cells by telomerase inhibition and hTERT down-regulation. Asian Pac J Cancer Prev. 2012;13(5):2305-9.

9. Khosrojerdi F., KazemiNoureini S., Nabiuni M. Telomerase activity in breast cancer cells under treatment with crocin. Journal of Sabzevar University of Medical Sciences. 19(3); 2012

10. EskandarRastegarPouyani, SakineKazemiNoureini, Ulrich Joger and Michael Wink.Molecular phylogeny and intraspecific differentiation of the Eremiasvelox complex of the Iranian Plateau and Central Asia (Sauria, Lacertidae). Journal of Zoological Systematics and Evolutionary Research 50; 220-229; 2012

11. Noori ZS., KazemiNoureini S., Nabiuni M. Investigation of Telomerase activity and hTERT gene expression in MCF7 cells treated with papaverine. Journal of Sabzevar University of Medical Sciences, 20(2): 122-132; 2013

12. Noureini SK, Wink M. Antiproliferative Effect of the Isoquinoline Alkaloid Papaverine in Hepatocarcinoma HepG-2 Cells — Inhibition of Telomerase and Induction of Senescence Molecules. 19(8):11846-59. 2014

13. SakinehKazemiNoureini, HosseinEsmaili. Multiple mechanisms of cell death induced by chelidonine in MCF-7 breast cancer cell line. Chemico-Biological Interactions 223C:141-149. 2014

14. SakinehKazemiNoureini, Michael Wink. Dose-Dependent Cytotoxic Effects of Boldine in HepG-2 Cells—Telomerase Inhibition and Apoptosis Induction.Molecules.20: 3730-3743. 2015

15. SakinehKazemiNoureini, FatemehTanavar. Boldine, a natural aporphine alkaloid, inhibits telomerase at non-toxic concentrations. Chemico-Biological Interactions 231:27-34. 2015

**Books:**

1. Fundamentals of Molecular Evolution (2nd ed.) 2000 Dan Graur, Wen-Hsiung Li (Translation) 2009 TarbiatMoallem University of Sabzevar Press. (Selected academic book of the year among Basic Sciences (First Score among Translation in BIOLOGY), University of Tehran, 2010)

2. Molecular Biology 2010 David Clark (Translation) TarbiatMoallem University of Sabzevar Press. Sep. 2011 (Selected as the second score among translated books in basic sciences, Ferdowsi Scientific and Reasearch Festival, 2011)

**Teaching:**

**B.Sc. students**

- Biochemistry

- Molecular Biology

- Radiation Biology

- Biophysics

- Cell biology

**Master students**

- Molecular and chemical carcinogenesis

- Advanced Molecular Biology

- Biophysical-Biochemical methods

- Chromatin Biochemistry

- Nucleic Acid biochemistry

- Laboratory techniques in Biochemistry

- Advanced Biochemistry

**Editorial board member of journals:**

- Telomere and Telomerase 2014

**Reviewing papers for journals:**

- Tumor Biology (Springer)

- BMC Complementary and Alternative Medicine (Springer)

- Medicinal Chemistry Research (Springer)

- World J Surgical Oncology (Springer)

- Scholarena J Cancer Science (Scholarena Journals)

- J Cell Mol Research (Ferdowsi University, Mashad, Iran)

- Sabzevar University of Medical Sciences (Sabzevar, Iran)

**Positions:**

- Doctoral researcher: Institute of Biophysics and Genetics, Center of National Research, Naples, Italy. May 2000-Feb 2001 (Ph.D. fellowship of Research and Technology Ministry of Science)

- Post-doc researcher: Department of Biology, Institute of Pharmaceutical and Molecular Biotechnology, Heidelberg Aug 2004-June 2006

- Assistant Prof. Department of Biology, Faculty of Science, Teacher Training University of Sabzevar; June 2006

- Associate Prof. July 2014