Curriculum Vitae

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Education:
-1988, Ph.D in Medical Physics, Kyushu University, Fukouka, Japan. Title of Ph.D. thesis: Computational evaluation of clinical data using artificial neural networks.
-1991 M.Sc in Medical Physics, Tarbiat Modares University, Tehran, Iran. Title of M.Sc. thesis: The quantitative measurement of perfusion index in renal transplantation following surgery.
-1988 B. Sc in Physics, Buo Ali Syna University, Hamadan, Iran.

Employment Record:
- Professor in Tarbiat Modares University Tehran-Iran from 2015 till now.

- Associated Professor in Tarbiat Modares University Tehran-Iran from 2007-2014

- Assistant Professor in Tarbiat Modares University Tehran-Iran from 1999-2006.
- Head of the computer center of the faculty from 1998-2002

Teaching Experience:
- Radiation Biophysics.
-Topics in Artificial Intelligence.
-Modeling in Biology
-Computational Biology
-Mathematical Patterns in Biology
-Modern Physics

Awards and Honours:

Selected as the Top Researcher of University in 2007
1994-1998, MCHE scholarship, Kyushu University
1988-1992, MHME scholarship, Faculty of Medicine, Tarbiat Modarres University
1983-1988, MCHE scholarship, Faculty of Science, Buo Ali Syna University

Publications:

Published Papers in English

1. Abdolmaleki P, Movhead M, Taniguchi RI, Masuda K, Buadu LD. Evaluation of Complications of Kidney Transplantation Using Artificial Neural Networks. Nuclear Medicine Communications, 1997;18: 623-630.
2. Abdolmaleki P, Mihara F, Masuda K, Buadu LD. Neural Networks Analysis of Astrocytic Gliomas: pre- and postcontrast MR imaging. Cancer Letters. 1997,118 :69-78,
3. Abdolmaleki P, Buadu LD ,Murayaama S, Murakami J, et al. Neural Network Analysis of Breast Cancer from MRI Findings. Radiation Medicine 1997, 15/5: 283-293.
4. Abdolmaleki P, Buadu LD, Naderimanesh H. Feature Analysis And Classification of Breast Cancer on MR Imaging Appearance using Artificial Neural Network Cancer letters, 171:183-191, 2001

5. Sohrabi MR, Abdolmaleki P, Ebrahimi R. Spectrophotometric studies on the simultaneous determination of cadmium and lead by using artificial neural network. Indian J. of Chemistry. 2004;43A:2582-2585
6. Sohrabi MR, Tadayon F, Abdolmaleki P, Nabipoor F, Dorodi Z. Application of artificial neural network for simultaneous spectrrophotometric of calcium and magnesium in serum dialysis fluid. International Jour. Chem., 2004; 14:119-124.
7. Abdolmaleki P, Mokhtari Dizagi M, Vahead MR, Gity M. Logistic discriminant analysis of breast cancer using ultrasound measurements. Iranian Journal of Radiation Research.2004;2(1):27-34
8. Abdolmaleki P, Yarmohammadi M, Gity M. Comparison the performance of the artificial neural network (ANN) and logistic discrininant analysis in predicting the outcome of biopsy in breast cancer from MRI findings. Iranian Journal of Radiation Research.2004;1(4):217-228
9. Hayatshahi HS, Abdolmaleki P, Safarian S, Khajeh K. Non-linear Quantitative Structure Activity Relationship for adenine derivatives as competitive inhibitors of adenosine deaminase. Biochemical and Biophysical Research Communications 2005; 338:1137-1142
10. Sohrabi MR, Abdolmaleki P, Haghollahi F.Simultaneous spectrophotometric determination of mefenamic acid and paracetamol in pharmaceutical preparation by using artificial neural network. Asian J. of Chemistry 2005; 17:117-124.
11. Abdolmaleki P, Mokhtari Dizagi M, Vahead MR, Gitee M. Applying the artificial neural network in making discrimination of benign and malignant patterns of breast lesions using ultrasonic parameters. Bimonthly Official Publication of Shahed University (Daneshvar), 2005; 56:31-38(in Farsi)
12. Khamehchiyan M.; Abdolmalekei P.; Rakei B. Using Logistic Regreseon Analysis for Landslide Hazard Zonation in Sephidargoleh Area. Amir kabir; 2005;62:65-76 (in Farsi)

13. Abrishami-Moghaddam H, Sheikh-Hasani, Gity M, Abdolmaleki P, Mostafa. Automatic diagnostic of clustered microcalcifications using wavelet transform and neural networks, Iranian J of Biomedical engineering, 2005, 1 (2):117-128

14. Rohandeh M, Abdolmaleki P, Gitee M. Applying a mathematical non-linear model to predict the output of biopsy of breast mass. Iranian J of Medical Physics. 2006; 13:67-80(in Farsi)

15. Sahebjamei H, Abdolmaleki P, Ghanati F. Effects of magnetic field on the antioxidant enzyme activities of suspension-cultured tobacco cells. Bioelectromagnetics. 2006 Sep 20;28(1):42-47
16. Abdolmaleki P, Gity M, Tahmasebi M. Neural Network Analysis of Breast Cancer from Mammographic Evaluation Iran. J. Radiol., Spring 2006, 3(3) 155-162
17. Abdolmaleki P, Abrishami-Moghddam H, Gity M, Mokhtari-Dizaji M, Mostafa A, Improving the performance of neural network in differentiation of breast tumors using wavelet transformation on dynamic MRI. Iran. J. Radiol., 2006, 3(3): 155-162.
18. Khoshsokhan Mozafar M, Ghanati F. , Zare Maivan H, Abdolmaleki P, Khoramshad K. The effect of static magnetic fields on the metabolism of certain phenolic compounds in red cabbage. Pajouhesh & Sazandegi, 2006; 70: 63-69 (In Farsi)
19. Ghanati F. ,Rajabbeigi E, Sefidkon F, Abdolmaleki P. Investigation on the Effects of Ultraviolet C Radiation on Some physiological parameters of Aloe vera L. Iranian J. of Medicinal and Aromatic Plants, 2006, 4:315-331 (In Farsi)
20. Ghanati F. ,Rajabbeigi E, Sefidkon F, Abdolmaleki P. Investigation the changes of essential oil of Ocimum basilicum L. in response to electromagnetic field. Iranian J. of Medicinal and Aromatic Plants, 2006, 3:341-350(In Farsi)
21. Poursheikh Aliasgary M , Jahandideh S, Abdolmaleki P , Kazemnejad A. Analysis and identification of β-turn types using multinomial logistic regression and artificial neural network. Bioinformatics. 2007;23:3125-3130
22. Hayatshahi SH, Abdolmaleki P, Ghiasi M, Safarian S. QSARs and activity predicting models for competitive inhibitors of adenosine deaminase. FEBS Lett. 2007;581(3):506-14.
23. Ghanati F, Abdolmaleki P, Vaezzadeh M, Rajab beigi E, Yazdani M. Application of magnetic field and Iron in order to change medicinal products of Ocimum basilicum. Envirmentalist. 2007; 27:429-434.
24. Abdolmaleki P, Ghanati F, Sahebjamei H, Sabet Sarvestani A. Peroxidase activity, lignification and promotion of cell death in tobacco cells exposed to Static magnetic field. Envirmentalist.2007;27:435-440.
25. Rakei B, Khamehchiyan M.; Abdolmalekei P, Ghiahechi P. Using Artificial neural network for Landslide Hazard Zonation in Sephidargoleh Area; Journal of Sciences University of Tehran; 2007;1:57-64 (In Farsi)

26. Jahandideh S, Barzegari Asadabadi E, Abdolmaleki P, Jahandideh M, Hoseini S. Protein psychrophilicity: Role of residual structural properties in adaptation of proteins to low temperatures. J Theor Biol. 2007 Oct 21;248(4):721-6.
27. Jahandideh S, Abdolmaleki P, Jahandideh M, Barzegari Asadabadi E. Novel two-stage hybrid neural discriminant model for predicting proteins structural classes. Biophysical Chemistry. 2007 Jun;128(1):87-93.
28. Jahandideh S, Abdolmaleki P, Asadabadi EB. Prediction of future citations of a research paper from number of its internet downloads. Med Hypotheses, 2007;69(2):458-9.
29. Jahandideh S, Abdolmaleki P, Jahandide M, Barzegari EB. Sequence and structural parameters enhancing adaptation of proteins to low temperatures. J Theor Biol. 2007 May 7;246(1):159-66.
30. Jahandideh S, Abdolmaleki P, Jahandide M, Hayatshahi HS. Novel hybrid method for the evaluation of parameters contributing in determination of protein structural classes. J Theor Biol. 2007 Jan 21;244(2):275-81.
31. Sohrabi MR, Abdolmaleki P, Davallo M. PA Haeri Using artificial neural network for simultanrous spectrophotometric determination of Cobalt and Nickel. Asian Journal of Chemistry 2007; 19,109-115
32. Jahandideh S, Sarvestani AS , Abdolmaleki P, Jahandideh M, Barfeie M. gamma-Turn types prediction in proteins using the support vector machines. J Theor Biol.. 2007 Dec 21;249(4):785-90.
33. Niroei M, Abdolmaleki P, Gitee M. Simmulation of a hybrid model using Genetic algorithm and neural network analysis for differentiation of malignant and benign patterns in breast cancer from mammographic findings. Iranian J of Medical Physcics . 2007; 3:15-22 (in Farsi)

٣٤. Sahebjamee H, Abdolmaleki P, Ghanati F. Effects of Magnetic Field on the Antioxidant Enzyme Activities of Suspension-Cultured Tobacco Cells Bioelecteromagnetic, 2007;28:42-47

35. Rezaei MA, Abdolmaleki P, Karami Z, Asadabadi EB, Sherafat MA, Abrishami-Moghaddam H, Fadaie M, Foroozan M. Prediction of membrane protein types by means of wavelet analysis and cascaded neural networks. J Theor Biol. 2008; 254:817-820
36. Jahandideh S, Movahedi MM, Karami Z, Barzegari Asadabadi E, Abdolmaleki P, Hosseini S, Javani Jouni F, Jahandideh M. Elucidating the protein cold adaptation: Investigation of the

parameters enhancing protein psychrophilicity, 2008; 255(1):113-8.
37. Mokhtari Dizaji M, Abdolmaleki P, Saberi H, Rahmani T, Applying the logistic regression model to predict the stenosis in carotid artery using the sequential color doppler ultrasound image processing Iranian Heart Journal, 2008, 9 (2):43:50

38. Jahandideh S, Abdolmalekei P, Movahedi MM, Prediction of protein structural class in two states using the hybrid neural-logistic model. Journal of Sciences University of Tehran; 2008;33(4):27-33 (in Farsi)
39. Afshari H, Minaei S, Almasi M, Abdolmaleki P. Investigation of damaged potato due to dynamical loading. Iranian J of sciences and food technology, 2008; 5(2):15-22(in Farsi)
40. Sabet sarvestani A. , Abdolmaleki P, Mowla SJ, Ghanati F, Tavassoli Z , Heshmati E. Study the effects of Static Magnetic Field on cell cycle progression in Mesenchymal Bone Marrow Stem Cells of rat, Modares J of Medical Science; 2009:3 & 4: 9-18 (in Farsi)
41. Javani Jouni F, Abdolmaleki P, Ghanati F. Investigation on the effect of static magnetic field on the activity of antioxidant enzymes and flavonoid content in Vicia faba, 2009;35 (6):195-208 (in Farsi)
42. Niroei M, Abdolmaleki P, Tavakoli A, Gitee M. Feature Selection and Classification of Brest Cancer on Dynamic MRI Using Genetic Algorithm and Artificial Neural Networks, Journal of electrical systems;2009; 5(1):**-**
43. Barzegari Asadabadi E, Barkouhi SM, Jahandideh S, Abdolmaleki P. A novel combinatorial feature selection and hybrid modeling approach to describe QSARs in dual binding site acetylcholinesterase inhibitors. Journal of Science University of Tehran, 2009; 34(3):31-40
44. Tavassoli Z, Abdolmaleki P, Mowla SJ, Ghanati F, Sabet sarvestani A. Investigation of the effects of Static Magnetic Field on apoptosis in Bone Marrow Stem Cells of rat, Envirmentalist. 2009; 29:220-224
45. Sarayegord_Afshari N, Abdolmaleki P, F. Abbasisiar, Ghiassi_Nejad M. Determination of 40K concentration in milk samples consumed in Tehran-Iran and estimation of its annual effective dose. Iranian Journal radiation research, 2009; 7(3):159-164

46. Asadabadi EB, Abdolmaleki P, Barkooie SM, Jahandideh S, Rezaei MA. A combinatorial feature selection approach to describe the QSAR of dual site inhibitors of acetylcholinesterase. Comput Biol Med. 2009

47. Karami Z, Abdolmaleki P, Rezaei MA, Jahandideh S, Asadabadi EB. Analysis of factors that induce cysteine bonding state. Comput Biol Med. 2009 Apr;39(4):332-9.

48. Heshmati E, Abdolmaleki P, Mozdarani H, Sarvestani AS. Effects of halogen substitution on Watson-Crick base pairing: a possible mechanism for radiosensitivity. Bioorg Med Chem Lett. 2009 Sep 1;19(17):5256-60.

49. Sohrabi MR, Abdolmaleki P, Esmaeili EA. Simultaneous spectrophotometric determination of cyproterone acetate and ethinyl estradiol in tablets using continuous wavelet and derivative transform. Spectrochim Acta A Mol Biomol Spectrosc. 2010 Sep 15;77(1):107-11.

50. Sarvestani AS, Abdolmaleki P, Mowla SJ, Ghanati F, Heshmati E, Tavasoli Z, Jahromi AM. Static magnetic fields aggravate the effects of ionizing radiation on cell cycle progression in bone marrow stem cells. Micron. 2010 Feb;41(2):101-4.

51.Jahandideh S, Abdolmaleki P. Prediction of melatonin excretion patterns in the rat exposed to ELF magnetic fields based on support vector machine and linear discriminant analysis. Micron. 2010 Oct;41(7):882-5.

52.. Jahandideh S, Abdolmaleki P, Movahedi MM. Comparing performances of logistic regression and neural networks for predicting melatonin excretion patterns in the rat exposed to ELF magnetic fields. Bioelectromagnetics. 2010 Feb;31(2):164-71

53. Ghanati F, S. Bakhtiarian, Abdolmaleki P, Effects of methyljasmonate on the secondary metabolites of marigold (calendula officinalis L.), Modares Biological Sciences an technology, 2010 ; 1(1):21-33

54 Deevband, M.R., Kardan, M.R., Abdolmaleki, P., Khosravi, H.R., Taheri, M. Sensitivity study of PADC track detector with external radiators, Journal of Appied science 2010 Journal of Applied Sciences 10 (23):3127-3131

55. Deevband, M.R., Abdolmaleki Dr., P., Kardan, M.R., Khosravi, H.R., Taheri, M., Nazeri, F., Ahmadi, N. Experimental and Monte-Carlo Studies on the response of CR-39 detectors to Am-Be neutron spectrum Iraanian Journal of radiation research 2011, Iranian Journal of Radiation Research 9 (2) :95-102

٥٦-Behmard, E., Abdolmaleki, P., Asadabadi, E.B., Jahandideh, S Prevalent mutations of human prion protein: A molecular modeling and molecular dynamics studyJournal of Biomolecular Structure and Dynamics 2011, 29 (2) : 379-389

57. Javani Jouni F, Abdolmaleki P, Ghanati F. STUDY THE EFFECT OF STATIC MAGNETIC FIELD ON CHROMOSOMAL ABERRATIONS ON VICIA FABA IN AREA WITH HIGH NATURAL RADIOACTIVITY Environmentalist. 2011; 31 (2) :169-175

58. Deevband MR, Abdolmaleki P, Kardan MR, Khosravi HR, Taheri M. An investigation on the response of PADC detectors to neutrons. Appl Radiat Isot. 2011;69(2):340-345.

59-Saraygord-Afshari, N., Abbasisiar, F., Abdolmaleki, P., Ghiassi-Nejad, M., Attarilar, A.Determination of 90Sr in milk and milk powder in Tehran and estimation of annual effective dose Environmentalist.2011; 31 (3): 308-314

60. Soleimani H, Abdolmaleki P, Mokhtari Dizaji M, Toliat T, Tavasoly A, The Synergistic Effect of Doxorubicine and 150 KHz ultrasound in low intensity on tumour growth of adenocarciunom breast cancer in Balb/c Mice, Ofogh e Danesh, 2011; 4: 5-15 (in Farsi)

61- Ahmadiyanpour MR, Abdolmaleki P, Mowla SJ, Hosseinkani H. Static magnetic field of 6 mT induces apoptosis and alters cell cycle in p53 mutant Jurkat cells, Electromagnetic Biology and Medicine, 2012, 2013; 32(1):9-19

62. Khamehchiyan M, Abdolmalekei P, Rakei B, Landslide susceptibility mapping using backpropagation neural networks and logistic regression: The Sephidargole case study, Semnan, Iran. Geomechanics and Geoengineering: An International Journal, 2011, Geomechanics and Geoengineering 6 (3) : 237-250

63-Jouni, F.J., Abdolmaleki, P., Ghanati, F. Oxidative stress in broad bean (Vicia faba L.) induced by static magnetic field under natural radioactivity Mutation Research - Genetic Toxicology and Environmental Mutagenesis . 2012, 741 (1-2) :116-121

64-Ghasemi, G., Nirouei, M., Shariati, S., Abdolmaleki, P., Rastgoo, Z. A quantitative structure-activity relationship study on HIV-1 integrase inhibitors using genetic algorithm, artificial neural networks and different statistical methods Arabian Journal of Chemistry, 2012 Article in Press

65 - Safari M, Ghanati F, Hajnoruzi A, Rezaei A, Abdolmaleki P, Mokhtari-Dizaji M . Maintenance of membrane integrity and increase of taxanes production in hazel (Corylus avellana L.) cells induced by low-intensity ultrasound, Biotechnol Lett 2012; 34:1137–1141

66-Sohrabi, M.R., Abdolmaleki, P., Dehroudi, M. Simultaneous quantitative determination of Amlodipine and Atorvastatin in tablets using artificial neural networks Mathematical and Computer Modelling , Mathematical and Computer Modelling 58 (2013) 1588–1594

67-Mahmood Janlou MA, Abdolmaleki P, Tajbakhsh M, Amanlou M, Eidi A. Quantitative structure–activity relationships study of tyrosinase inhibitors using logistic regression and artificial neural networks. J IRAN CHEM SOC 2012;9:643-653

68 E. Heshmati, Dr. H. Mozdarani , P. Abdolmaleki, K. Khoshaman**.** Radiosensitizing effects of gemcitabine on aerobic and chronically hypoxic HeLa and MRC5 cells in-vitro. Iranian Journal of Radiation Research.2012; 10 (1): 11-18

69. Nirouei M, Ghasemi G, Abdolmaleki P, Tavakoli A, Shariati S. Linear and non-linear quantitative structure-activity relationship models on indole substitution patterens as inhibitors of HIV-1 attachment. Indian Journal of Biochemistry and Biophysics. 2012; 49:1-6

70. Poursheikhali Asghari M, Sadat Hayatshahi SH, Abdolmaleki P. A NOVEL HYBRID METHOD OF B-TURN IDENTIFICATION IN PROTEIN USING BINARY LOGISTIC REGRESSION AND NEURAL NETWORK. EXCLI Journal 2012;11:346-356.

71. Moradi HR, Sepahvand AR, Abdolmaleki P. Assessment of the Effect of Input Factors Number in Accuracy of Artificial Neural Network for Landslide Hazard Zonation (Case study: Haraz Watershed)

Journal of Range and Watershed Management, Iranian Journal of Natural Resources, 2012, 65 (2): 243-255(in Farsi)

72. Payez A; Ghanati F; Behmanesh M; Abdolmaleki P; Hajnorouzi A; Rajabbeigi E. Increase of seed germination, growth and membrane integrity of wheat seedlings by exposure to static and electromagnetic fields Electeromagnetic biology and medicine, 2013; 32(4):417-29

73. Payez A, Ghanati F, Behmanesh M, Abdolmaleki P, Ghahremaninezhad M. Maintenance of membrane integrity and activation of antioxidant system of wheat at vegetative growth stage by static and electromagnetic fields. Farayand va karkard Ghiahi, 2013 ;2 (1):1-6. (In Farsi)

74.Rajabbeigi E; Ghanati F; Abdolmaleki P. Antioxidative capacity of parsley (Petroselinum crispum L.) cells in relation to iron induced ferritin levels and SMF, Electeromagnetic biology and medicine, 2013; 32(4):430-41

75. Ahmadianpoura MR, Abdolmaleki P, Mowla SJ, Hosseinkhani S.Gamma radiation alters cell cycle and induces apoptosis in p53 mutant E6.1 Jurkat cells. Applied Radiation and Isotopes 2013;71(1): 29–33

76. Behmard, E., Abdolmaleki, P., Asadabadi, E.B., Mutation in a valine residue induces drastic changes in 3D structure of human prion protein, TFLS Frontiers in Life Science, 2013;6(1-2):47-51.

77. Jouni, F.J., Abdolmaleki, P., Movahedin M Investigate the simultaneous effects of BMP (Bone Morphogenic Protein)-4 and static magnetic field on viability percent and proliferation rate of rat bone marrow stem cells. Modares Journal of Medical sciences, Pathobiology, 2013; 16 (3):96:108 (in Farsi)

78. Barzegari Asadabadi E, Abdolmaleki P. Predictions of Protein-Protein Interfaces within Membrane Protein Complexes. Avicenna Journal of Medical Biotechnology, 2013; 5(٣):١٤٨-١٥٧.

79. Jouni, F.J., Abdolmaleki, P., Movahedin M. An in vitro study of the impact of 4mT static magnetic field to modify the differentiation rate of rat bone marrow stem cells into primordial germ cells, Differentiation, 2014: 87: 230-237

80. Jouni, F.J., Abdolmaleki, P., Movahedin M. Investigation on the effect of static magnetic field up to 15 mT on the viability and proliferation rate of rat bone marrow stem cells. In Vitro Cellular & Developmental Biology - Animal, 2013; 49(3):212-219

81. Sahebjamee H, Yaghmaei P, Abdolmaleki P, Foroumadi AR. Quantitative Structure - Activity Relationships Study of Carbonic Anhydrase Inhibitors Using Logistic Regression Model. Iran. J. Chem. Chem. Eng. 2013; 32 (2): 19-29

83. Haghighat N, Abdolmaleki P, Ghanati F, Behmanesh M. Modification of catalase and MAPK in Vicia faba cultivated in soil with high natural radioactivity and treated with a static magnetic field. Journal of Plant Physiology, 2014; 171: 99– 103

84. Faezeh Ghanati, Atefeh Payez, Parviz Abdolmaleki, Abazar Hajnorouzi. Iron biofortification and activation of antioxidant system of wheat by static magnetic field. Iranian Journal of Science and Technology

85. Soleimani H, Abdolmaleki P, Toliat T, Mokhtari Dizaji M, Tavasoly A . Effect of Doxorubicin and dual frequency (kHz-MHz) ultrasound waves exposure on the Adenocarcinoma tumor growth. Journal of Acoustical Engineering society of Iran,2013, 1(1):43:50 (in Farci)

86. Barzegari Asadabadi E, Abdolmaleki P. A Review and Comparative Assessment of Machine Learning Approaches for Interaction Site Prediction in Membrane Proteins. *Current Bioinformatics,2015* 10(3): 284-291.

87. Javani Jouni F, Abdolmaleki P, Movahedin M. An Investigation of the Simultaneous Effects of Bone Morphogenic Protein (BMP)-4 and Static Magnetic Field on Viability Percent and Proliferation Rates of Rat Bone Marrow Stem Cells. Modares Journal of Medical Sciences: *Pathobiology*, 2013; 16 (3): 1-14

88. Zafari J, Javani Jouni F, Abdolmaleki P, Jalali A, Khodayar MJ. Investigation on the effect of Static Magnetic Field up to 30 mT on viability percent, proliferation rate and IC50 of HeLa and Fibroblast cells, Electeromagnetic biology and medicine, 2015; 34(3):216-220

89. Zafari J, Javani Jouni F, Jalali A, Khodayar MJ, Abdolmaleki P. Investigation on the effect of Static Magnetic Field on cancer and normal cell line. Bulgarian Journal of Public Health,2015; Vol 7, 2(1):152-155

90.Ghanati F, Payes A, Abdolmaleki P. Iron status in wheat seedlings in response to static and electeromagnetic fields, Bulgarian Journal of Public Health,2015; Vol 7, 2(1):140-144

91 Satari M, Abdolmaleki P, Mozdarani H, Haghighat N. Static Magnetic Fields increase the effect of gamma ray on cell cycle progression in Hella.Bulgarian Journal of Public Health,2015; Vol 7, 2(1):156-160

92. Haghighat N, Abdolmaleki P, Ghanati F, Behmanesh M,Satari M. Static Magnetic Field and high natural radioactivity on the gene expression an activity of catalase in vicia faba. Bulgarian Journal of Public Health,2015; Vol 7, 2(1):161-165

93. Javani Jouni F, Zafari J, Abdolmaleki P, Behmanesh M, Movahedin M. Comparing MVH gene and protein expression in differentiated and undifferentiated cells derived BMSCs during BMP-4 and 4mT SMF treatments. Bulgarian Journal of Public Health,2015; Vol 7, 2(1):190-196

94. Kamalipooya S, Abdolmaleki P, Salemi Z, Javani Jouni F, Zafari J, Soleimani H. Simultaneous application of cisplatin and static magnetic field enhances oxidative stress in HeLa cell line. In Vitro Cell Dev Biol Anim. 2017 Oct;53(9):783-790

95.The Effects of Static Magnetic Fields on Viability and Apoptosis in Normal and Cancerous Cells. JOURNAL OF IRANIAN CLINICAL RESEARCH , 2016;3:86-90.

96. Behmard, E., Abdolmaleki, P., Taghdir, M. Molecular dynamics investigation on structural and transport properties of p7 ion channel Journal of Biomolecular Structure and Dynamics, (2017) Sep;35(12):2725-2735

97. Behmard, E., Abdolmaleki, P., Taghdir. Understanding the inhibitory mechanism of BIT225 drug against p7 viroporin using computational study Biophysical Chemistry. In press

98.Nirouei, M., Pouladian, M., Abdolmaleki, P., Akhlaghpour, S. Chaos analysis of breast masses on dynamic magnetic resonance mammography. 2016 IEEE International Conference on Signal and Image Processing, 2017, 7888272, pp. 300-304

99.Nirouei, M., Pouladian, M., Abdolmaleki, P., Akhlaghpour, S. Feature extraction and classification of breast tumors using chaos and fractal analysis on dynamic magnetic resonance imaging. Iranian Red Crescent Medical Journal, 2017:19(3),e41336
Open Access

100. Mehdi PoursheikhaliAsghari, ParvizAbdolmaleki. Prediction of RNA- and DNA-binding proteins using various machine learning classifiers, Avicenna Journal of Medical Biotechnology, In press

101. Sadri, M., Abdolmaleki, P., Abrun, S., Beiki, B., Samani, F.S. Static Magnetic Field Effect on Cell Alignment, Growth, and Differentiation in Human Cord-Derived Mesenchymal Stem Cells. Cellular and Molecular Bioengineering, 2017; 10(3):249-262

102. Zafari, J., Jouni, F.J., Ahmadvand, A., Abdolmaleki, P., Soodi, M., Zendehdel, R. Investigation of gene expressions in differentiated cell derived bone marrow stem cells during bone morphogenetic protein-4 treatments with Fourier transform infrared spectroscopy

Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017; 173: 695-703.

103. Ghasemi, G., Nirouei, M., Shariati, S., Abdolmaleki, P., Rastgoo, Z. A quantitative structure–activity relationship study on HIV-1 integrase inhibitors using genetic algorithm, artificial neural networks and different statistical methods. Arabian Journal of Chemistry, 2016; 9:185-190

104. Nirouei, M., Pouladian, M., Abdolmaleki, P., Akhlaghpour, S. Feature extraction and classification of breast tumors using chaos and fractal analysis on dynamic magnetic resonance imaging. Iranian Red Crescent Medical Journal, 2017;19 (3): 104.

105. Haghighat N, Abdolmaleki P*, Behmanesh M, Satari M. Stable morphological-physiological and neural protein expression changes in rat bone marrow mesenchymal stem

cells treated with electromagnetic field and nitric oxide, Bioelectromagnetics. 2017 ;38 (8):592-601

106. B Hajipour, M Alipour, P Abdolmaleki, M Behmanesh Magnetic field exposure alters the expression of DNA repair genes Journal of Cellular Immunotherapy. 2017; 3 (1), 3

107. Haghighat N, Abdolmaleki P, Parnian J, Behmanesh M. The expression of pluripotency and neuronal differentiation markers under the influence of electromagnetic field and nitric oxide Molecular and Cellular Neuroscience; 2017; 85 : 19-28

108. Zendehdel R, Abdolmaleki P, Jouni FJ, Mazinani M. Genetic variation and risk of DNA damage in peripheral blood lymphocytes of Iranian formaldehyde-exposed workers. Hum Exp Toxicol. 2017 Jan 1:960327117728385. doi: 10.1177/0960327117728385. In press

109. Javani Jouni F, Abdolmaleki P Aflatoxin M1 detoxification from infected milk using Fe3O4 nanoparticles attached to specific aptamer . Journal of Nanostructure in Chemistry 2018;In press

۱۱۰. مهدي پورشيخعلي اصغري و پرويز عبدالمالكي . پيشگويي عملكرد اتّصال پروتئينها به ريبونوكلئيك اسيد بر اساس خواص فيزيكوشيميايي آنها به كمك روش لوژستيك رگرسيون . مجله پژوهشهاي سلولي و مولكولی(مجله زيست شناسي ايران)،۲۸،۱۳۹٤(۱):۵۳-٤۵

۱۱۱. نازنين حقيقت، پرويز عبدالمالكی، تاثير همزمان اكسيد نيتريک و ميدان الكترومغناطيسی بر ميزان تكثير و تغيير مورفولوژی سلول‌های بنيادی استرومايی. سلول و بافت. در حال چاپ

۱۱۲. ارزيابی فعاليت ضد سرطانی عصاره گياه رزماری و :نازنين عبدالملكی، فاطمه جوانی جونی، پرويز عبدالمالكی پژوهش‌های HU02و سلول های فيبروبلاست MCF7،SKBR3 تابش اشعه گاما بر رده های سلول های سرطان پستان آسيب‌شناسی زيستی. در حال چاپ

Selected Abstracts

1. Abdolmaleki P, Movhead M, Taniguchi RI, Masuda K, Buadu LD. Evaluation of Complications of Kidney Transplantation Using Artificial Neural Networks. Oral Presentation at the 81ST Scientific Assembly And Annual meeting of Radiological Society of North America (RSNA), November 26- December 1, 1995, Chicago, Illinois, USA.

2. Abdolmaleki P, Mihara F, Masuda K, Buadu LD. Neural Networks Analysis of Astrocytic Gliomas: pre- and postcontrast MR imaging. Oral Presentation and Computer Exhibit at the 96th Scientific Annual meeting of The American Roentgen Ray Society (ARRS), May 5-10, 1996, SanDiego, California, USA.

3. Abdolmaleki P, Buadu LD, Murayaama S, Murakami J, et al. Automated Data extraction And Classification of Breast Cancer on Dynamic MR Imaging using Artificial Neural Network. Oral Presentation at the 83th Scientific Assembly And Annual meeting of Radiological Society of North America (RSNA), November 30- December 5, 1997, Chicago, Illinois, USA.

4. Abdolmaleki P, Buadu LD, Murayaama S, Murakami J, et al. Feature Analysis and Classification of Breast Cancer on MR Imaging Appearance Using Artificial Neural Network. Computer Exhibition at the 83rd Scientific Assembly And Annual meeting of Radiological Society of North America (RSNA), November 30- December 5, 1997, Chicago, Illinois, USA.

5.Abdolmaleki P, Buadu LD, Murayaama S, Murakami J, et al. Feature Analysis and Classification of Breast Cancer on MR Imaging Appearance Using Artificial Neural Network. Oral presentation at the World Congress on Medical Physics and Biomedical Engineering. September 14-19, 1997, Nice, France.

6. Abdolmaleki P. Prediction of the Secondary Structure of Protein Using Artificial Neural Network Analysis based on the Two State Model. Oral presentation at the 15th FAOBMB, October 21-24, 2000, Beijing, China.

7. Abdolmaleki P. Comparing Two Supervised Learning Algorithms in Prediction the Secondary Structure of Protein. Oral presentation at the 15th FAOBMB, October 21-24, 2000, Beijing, China.

8. Abdolmaleki P., Ghanati F.Studying the effects of the static magnetic field on the enzymes catalase (CAT) and superoxide dismutase (SOD) activity in suspension culture of tobacco cells . Biological Effects of ElectroMagnetic Fields 4th International Workshop 16-20 October 2006,Crete, Greece

9. Abdolmaleki P., Ghanati F. Increase of cell death in suspension-cultured tobacco cells following exposure to static magnetic field. Biological Effects of ElectroMagnetic Fields 4th International Workshop 16-20 October 2006,Crete, Greece.

10. Khoshkokhan M., Ghanati F., Abdolmaleki P. Investigation on the Changes in the Composition of Aromatic Compounds of Red Cabbage in Response to Static Magnetic Field. Biological Effects of ElectroMagnetic Fields 4th International Workshop 16-20 October 2006,Crete, Greece.

11. Ghanati F., Rajabbeigi E., Abdolmaleki P. Influence of electromagnetic field exposure on the growth of ocimum basilicum and its essential oil. Biological Effects of ElectroMagnetic Fields 4th International Workshop 16-20 October 2006,Crete, Greece.

12. Ebrahim Barzegari Asadabadi and Parviz Abdolmaleki Interaction site prediction within membrane proteins emphasizing, the data imbalance problem. The 5th Iranian conference on bioinformatics 20-22 May 2014, Tehran university.

13. Mehdi Poursheikhali Asghari, Parviz Abdolmaleki, RNA-binding function prediction of proteins by a random forest method using sequence-based features The 5th Iranian conference on bioinformatics 20-22 May 2014, Tehran university.

14. Hassan Sahebjameea,*, Parviz Abdolmaleki b, Alireza Foroumadic, Parichehre Yaghmaei.Quantitative Structure - Activity Relationships Study of CarbonicAnhydrase Inhibitors using Multinominal Logistic RegressionModel and Artificial Neural Networks The 5th Iranian conference on bioinformatics 20-22 May 2014, Tehran university.

۱۵. فاطمه جوانی جونی[۱] ، پرویز عبدالمالکی[۱*] ، منصوره موحدین[۲] ، مهرداد بهمنش. بررسی اثر میدان مغناطیسی ایستا بر بیان ژن هاي پرتوانی در سلول هاي بنيادي و تمايزيافته ي مغز استخوان موش صحرایی تیمار شده با BMP-4. دومین کنفرانس بیوالکترومغناطیس ایران۲۷-۲۹ آذر۱۳۹۲ دانشگاه تهران

طرح های تحقیقاتی
تعیین اثرات پرتو گاما و میدان مغناطیسي بر روي مرگ برنامه ريزي شده القا شده توسط مسیرATM E2F1 P53 در T لنفوبلاست.
Determination the biolofical effects of gamma ray and static magnetic field on indused apoptosis through ATM-E2F1-p53 pathway in T lymphoblast jurkat cells
بهار۹۲پایان یافت

ارزیابی تاثیر اعمال میدان مغناطیسی و امواج الکترومغناطیسی بر میزان فعالیت انزیم های انتی اکسیدانت در سیستم های زیستی

Evaluation of the effect of the magnetic field and electeromagnetic wave on the antioxidant enzyme l

زمستان ۸۷ پایان یافت

فارسی: کاربرد میدان مغناطیسی ایستا به منظور افزایش نرخ تمایز سلول های بنیادی مغز استخوان موش صحرایی به سلول های زایای بدوی در محیط کشت آزمایشگاهی

انگلیسی:

Applying static magnetic field to improve the rate of differentiation of rat bone marrow mesenchymal stem cells into primordial germ cell in invitro

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تأثیر میدان مغناطیسی ایستا برافزایش نرخ تمایز سلولهای مزانشیمی مغز استخوان موش صحرایی در محیط کشت آزمایشگاهی در جهت ایجاد سلولهای عصبی.

Investigation the impact of static magnetic field on neural cell differentiation rate of rat bone marrow mesenchymal stem cells

نوان نشريه :مجله علوم دانشگاه تهران **:زمستان ۱۳۸۶** ,دوره , **۳۳** شماره) **۴ بخش زيست شناسي** ; (از صفحه **۲۷**تا صفحه **۳۳** .

عنوان مقاله :**پيشگويي كلاسهاي ساختاري پروتئينها در دو وضعيت با استفاده از مدل تركيبي عصبي- لوجستيک**

نويسندگان :جهان ديده صمد ,عبدالمالكي پرويز ,*موحدي محمدمهدي

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عنوان نشريه :مجله علوم و صنايع غذايي **:تابستان ۱۳۸۷** ,دوره , **۵** شماره ; **۲** از صفحه **۶۹**تا صفحه . **۸۰**

عنوان مقاله :**بررسي ميزان آسيب سيب زميني تحت بارگذاري ديناميكي**

نويسندگان :افشاري حامد ,*مينايي سعيد ,الماسي مرتضي ,عبدالمالكي پرويز

.۳

نوان نشريه :مجله فيزيك پزشكي ايران **:زمستان ۱۳۸۵** ,دوره , **۳** شماره ; **۱۳** از صفحه **۶۷**تا صفحه . **۸۰**

عنوان مقاله :**شبيه سازي يک مدل تركيبي به كمک الگوريتم ژنتيكي و شبكه عصبي مصنوعي براي تفكيک الگوهاي خوش خيم و بدخيم سرطان سينه در ماموگرافي**

نویسندگان :نیرویي مهیار ,عبدالمالکي پرویز ,*گیتي معصومه

عنوان نشریه :تحقیقات جنگل و صنوبر ایران :زمستان ۱۳۹۱ ,دوره ۲۰ , شماره ; (۵۰) ٤ از صفحه ۵۹۵تا صفحه ۶۰۷ .

عنوان مقاله :مقایسه بین شبکه عصبي مصنوعي و تحلیل رگرسیون در برآورد مدت زمان قطع درخت

نویسندگان :بیاتي هادي ,نجفي اکبر ,*عبدالمالکي پرویز