



**Faculty of medicine, Golestan University  
of Medical sciences, Gorgan, Golestan,  
Iran**

**Fax:+98 17 32421657**

**P.o.box: 49175-553**

**E-mail: Vaph99@ Yahoo.com**

**Tel (Fax): +98 17 32421653**

### **Personal details**

**Father's name:** Valiollah

**Date of Birth:** 21-09-1967

**Permanent Address:** Shastkola, Golestan University of Medical sciences, Gorgan, Golestan, Iran

**Contact Phone No:** (Mo) +98 9111713952

### **Education:** □

- Doctorate of philosophy (PhD): Pharmacology, Nov 1998, Shahid Beheshti University of medical sciences, Department of pharmacology, Tehran, Iran.
- Dissertation: Effect of serotonin on rate -dependent electrophysiological properties of AV-node in isolated superfused model.  
Advisor: Dr.Mohsen Nayebpour.
- Design and develop isolated perfused AV-nodal setup.
- Assistant of software designing for AV-nodal stimulating and analysis.

### **Work experience:**

#### **Teaching**

Associate professor of pharmacology in Golestan University of medical sciences, Nov 1998- Present.

- Teaching and supervision of medical, paramedics, midwives and nurses students in the all subjects of pharmacology especially in the field of cardiovascular pharmacology and arrhythmia from Nov 1998- Present.
- Participated in various congresses in the form of delivering speeches or poster presentation in the field of cardiovascular electrophysiology of heart as:
  - 13<sup>th</sup> congress of Iranian heart association Oct 2002 Tehran-Iran.
  - 9<sup>th</sup> Iranian seminar of pharmaceutical Sciences , 23-26 August 2004 Tabriz-Iran.
  - 13<sup>th</sup>, 14<sup>th</sup>, 15<sup>th</sup>, 16<sup>th</sup>, Iranian congress of physiology and pharmacology from 1997-2003 in various cities of Iran.
  - 2<sup>nd</sup> International Training course on Promoting rational use of drugs Jun 2002 Tehran-Iran.

- 14<sup>th</sup> ,15<sup>th</sup> , 16<sup>th</sup> congress of Iranian heart association in collaboration with British Cardiac Society (Honours: the best poster in the congress) from 2004-2008 Tehran-Iran.
- 3<sup>th</sup> international congress of health, environment, natural products.
- 2<sup>th</sup> international Symposium on Saffron Biology and technology, 28-30 October 2006, Mashhad, Iran.
- 18<sup>th</sup> Iranian Congress of physiology & pharmacology, 26-30 August 2007, Mashhad-Iran.

### **Conducting several medical student dissertation entitled:**

- The survey of mineralocorticoid receptor role in acute Cardio protective effects of hydrocortisone in isolated Rat heart.
- The effect of Dipyridamole & Adenosine A1 receptor antagonist ( CPX) on protective effect of Simvastatin on AVN in AF model in isolated rabbit heart .
- Measurement Of Diurnal Variation of QTC in cirrhosis in gorgan city .
- Effects of oxytocin on right ventricular endocardial monophasic action potential recording of isolated rabbits heart .
- Concentration dependent effect of Morphine on the rate-dependent dynamic variables of the right ventricular rabbits heart ,solely,and also at the presence of Isoprenaline on the ventricular restitution curve and the Alternance phenomenon.
- Quantitative mathematical functional model of atrioventricular node and AVNRT after fast pathway ablation and expression of concealed slow pathway in isolated AV-Node of rabbit in-vitro
- The effects of NO modulation on protective electrophysiological properties of atrioventricular-node (AV-Node) in the experimental model of AF in rabbit.
- Potential anti-arrhythmic effect of hydroalcoholic extract of Crocus sativus on isolated perfused rabbit AV-Node.
- The effect of liquid extract of allium sativum on the basic and speed-dependent electrophysiological properties of isolated atrioventricular nodal of rabbit.
- Role of anterior compact node extension (Fast pathway ) ablation on the basic and rate- dependent properties of the AV-Node
- Effects of fast pathway ablation on the Concealment Zone and electrophysiological behavior Of AV-Node During atrial fibrillation.
- Assessment of the acute effect of Hydrocortisone sodium succinate administration in cardiac preconditioning

- Measurement of average consultation time and evaluation of its determinants in general practitioners of Gorgan in the year 1383.
- Evaluation of frequency and type of prescribed antibiotics for children below 16 years old in insurance prescriptions of Gorgan physicians during first 6 months of 1381.
- Antibacterial effect of *Achillea millefolium* on *Pseudomonas aeruginosa* & *Streptococcus aureus* & *E. coli* in vitro.
- Effect of face to face education of physician to decrease drug interaction in prescription of Gorgan physicians in 1994-1995.
- Irrational drug prescription of third generation of cephalosporin in treatment of Acute Gastroenteritis in prescription of physicians of Gorgan in 6<sup>th</sup> month of 1996.
- Effect of face to face education of physician to decrease drug interaction in prescription of Golestan province physicians in 1995.
- Dispensing time and effect of active group education in pharmacists in Gorgan.
- Qualitative survey of drug interaction of insurance prescriptions of east and west physicians in Golestan in 6<sup>th</sup> second half of year of 1994.

#### **Research:**

In addition, I have done many researches in cardiovascular from those the following have approved recently:

- Effects of methanolic extract of *Camellia sinensis* on rate dependent properties of isolated rat heart (Be finished).
- Effects of total extract of *Phytolacca decandra* on rate dependent properties of isolated rat heart (Be finished).
- Effects of total extract of *Achillea santolina* on rate dependent properties of isolated rat heart (Be finished).
- Effects of total extract of *Urtica dioica* on rate dependent properties of isolated rabbit atrioventricular node (Be finished).
- Effects of aqueous extract of *Allium sativum* on rate dependent properties of isolated rabbit atrioventricular node (Be finished).
- Potential role of Adrenergic and Na<sup>+</sup>-K<sup>+</sup>-ATPase in anti-AF effect of hydroalcoholic extract of

Crataegus-oxycantha in isolated double perfused of AV-node of rabbit(Be finished).

- Potential antiarrhythmic role of hydroalcoholic extract of Croucus sativus on electrophysiological properties isolated double perfused of AV-node of rabbit(Be finished).
- Potential role of Cholinergic,Adrenergic,nitregic and opioide receptore in antiarrhythmic effect of extract of Citrus aurantium on electrophysiological properties isolated perfused of AV-node of rabbit (Be finished).
- Assessment of the acute effect of Hydrocortisone succinate administration in cardiac preconditioning. (Be finished).
- Assessment of the role of "KATP " channel in acute effect of Hydrocortisone succinat administration on cardiac preconditioning in rabbit heart. (Be finished).
- Pharmacologic and Electrophysiologic modulation of zone of concealment after AV-Nodal Ablation-Potential Role in the Treatment of supraventricular tachyarrhythmia's . (Be finished).
- Rate-dependent properties of slow and fast pathway after AV-Nodal ablation and exploration of the third intermediate Pathway. Potential implication in the AV Nodal Summation, Facilitation and Reentry (Be finished).
- The electro physiological Age- dependent properties of concealment slow pathway after ablation, in the extension of compact Node in the isolated heart rabbit in vitro (Be finished).
- The affect of numbering of concealed beats on changing electrophysiology properties of atrial and AV-node tissue of rabbit isolated during AF protocol (Be finished).
- Role of mptp in anti aritme Protective effects of Simvastatin in experimental model of Atrial fibrillation of Rabbit (Be finished).
- Modulatory role of Mito KATP channel in effect of Simvastatin during experimental AF in rabbit (Be finished).
- The role of endogenous nitric oxide on protective effect of Simvastatin on atrioventricular node in isolated rabbit heart atrial fibrillation model (Be finished).
- Cirrhosis induced changes in Anti-AF electrophysiological properties of AV\_node in acute cirrhotic rat model(Be finished).
- The effect of cirrhosis on threshold and severity of ischemia induced VF in acute cirrhotic rat model (Be finished).
- Effect of crataegus monoyna on monophasic action potential recording of ventricular endocardial cardiomyocytes in isolated rabbit heart.( Be finished).

- Concentration-dependent effects of Morphine on Monophasic action potential inducing torsades points in endocardial surface of right ventricular of isolated rabbit heart.( Be finished).
- Role of adrenoceptors in anti- arrhythmic effects of Simvastatin in experimental model of Atrial fibrillation of isolated nodal Rabbit.( Be finished).
- Effect of endorphine modulation on protective role of Av-Node during AF in isolated rabbit s, Heart . ( Be finished).
- Mathematical model of fast pathway ablation on atrioventricular node and AVNRT in isolated AV-Node. ( Be finished).
- The role of adenosin on protective effects of Simvastatin on atrioventricular node in atrial fibrillation model in isolated rabbit heart.( Be finished).
- Frequency –dependent anti- arrhythmic effects of Simvastatine in experimental rabbit model of AVRT in vitro . (Be finished).
- Envestigation of The RISK / SAFE Signaling Pathway Roles in Oxytocin Preconditioning Mechanisms in Ischemia-Reperfusion Model of Isolated Rat Heart ( Be continued)
- Assessment Effects of Spironolactone on the Protective Effect of Ischemic Preconditioning on infarct size in cardiac tissue in ischemic rat isolated heart model. ( Be continued)
- The inotropic effect of purified glycoside fraction of digitalis nervosa on experitmental model of doxorubicin induced CHF in rat (Be continued).
- Effects of Decrease of Stress on the Protective Effect of hydrocortisone on infarct size in cardiac tissue in ischemic rat isolated heart model.( Be continued).
- Mathematical analysis of effects of slow pathway ablation to potential protective electrophysiology properties of AV-Nodale during experimental AVNRT in isolated rabbit hearts. .( Be finished).
- Evaluation of protective effects of simvastatin on ventricular arrhythmia in simulated model of electrical alternans on right ventricle endocardium of isolated rabbit heart. ( Be finished).
- Manufacturing and inovation of 3d engineers heart tissue for drug screening testand human tissue graft in lab and pilot scale. ( Be continued).
- Effect of co-administration of L-NAME and metformin on the return of the protective effects of IPC in the heart of cirrhotic rats . ( Be continued).
- Effect of metformin on the return of the protective effects of IPC in the heart of cirrhotic rats. ( Be continued).
- Proliferation and culture of EHT from neonatal rat. ( Be continued).

- Role of PKC and connexin43 in the protective effects of atorvastatin on ventricular fibrillation in isolated rat heart hypokalemia model .( Be continued).
- Protective effects of Simvastatin on ventricular fibrillation mediated through PKC and connexin43 in isolated rat heart. ( Be continued).
- Designing and prpduction or micro current cranial stimulation device (MCSD) in lab scode.( Be continued).
- Effects of low-level laser together radiotherapy and chemotherapy on breast cancer development in animal modelss. ( Be continued).

### **Research interest:**

- Role of Nodal pathway In physiology and arrhythmia .
- Understanding cellular &electrophysiological protective mechanism of AV-node during physiology and arrhythmia.
- Eeffect of exogenous and endogenous compound on AV-node.
- Neuroendocrine role of heart.
- Cardiovascular pharmacology of cirrhosis.
- Age-Dependent electrophysiological properties of atroventricular node.

### **Honours/Affiliations:**

- Obtained Gold Medal and of Special Award for recognition of excellent invention (iCAN2020).
- Best Invention Design Award (iCAN 2020).
- **TISIAS** certificate of achievement, Special Award (iCAN2020).
- Certificate of IFIA membership (2020)
- Award of Golden medal in 17<sup>th</sup> international innovation exhibition of Zagreb (17-19 October, 2019)
- Awards in 10<sup>th</sup> festival of Razi ( sinnovation &intention section ): developing and designing new instrument for cardiac experiment of animal hearts.
- Awards from Iranian heart association for best poster presentation in the 14<sup>th</sup> congress of Iranian heart association.
- Head of physiology and pharmacology department Jan 2001-present
- Secretary of center for rational use of drug (Golestan province) Oct 2001-present
- A member of Iranian society of Physiology& Pharmacology Dec1994-present

### **Patents:**

- **Vahid. Khori. An instantly semi-solid dermal product manufacturing method based on a fresh extract and an apparatus thereof. PCT. 2020 (PCT/IB2020/055943).**
- **Vahid. Khori. a semi-solid sterile product producing apparatus equipped with an application. Provisional. 2020.**

- **Vahid. Khori. Dermal product and preparation method thereof. Provisional. 2020.**
- **Vahid. Khori. Production of EHT using encapsulation technique from chicken embryo heart cells in extracellular matrix (in Persian). 2015.**
- **Vahid. Khori. Production of Probiotic cream from camel Dogh (in Persian). 2020.**
- **Vahid. Khori . Water and HydroAlcoholic Extract of Saflion as an Antiarrhythmic of Supraventricular Drug.2006.**
- **Vahid. Khori Model of Animal tissues Cauterization out of Body Using Voltage or Direct Current with precise and Specific Cauterization Characteristics. 2006.**
- **Vahid. Khori "Production Contains Overhead Section in Root of Urtica as an Antiarrhythmic of Supraventricular Drug". 2007.**
- **Vahid. Khori Mechanical, Electro, Physiologic, and Metabolic Assessment apparatus for mammals Heart out of Body\_using Lonkhedrof and Hypertensive Heart mechanism".2006.**

### **Publications:**

I have published several articles under the following titles in domestic and foreign journals:

- Khalighfard, S., Kalhori, M.R., Haddad, P., Khori, V. and Alizadeh, A.M., 2020. Enhancement of resistance to chemo-radiation by hsa-miR-1290 expression in glioblastoma cells. *European Journal of Pharmacology*, p.173144.
- Polshakan M, Khori V, Alizadeh AM, Ghayour-Mobarhan M, Saeidi M, Jand Y, Rajaei M, Farnoosh G, Jamialahmadi K. The SAFE pathway is involved in the postconditioning mechanism of oxytocin in isolated rat heart. *Peptides*. 2019 Jan 1;111:142-51.
- Gorabi AM, Hajjghasemi S, Tafti HA, Atashi A, Soleimani M, Aghdami N, Saeid AK, Khori V, Panahi Y, Sahebkar A. TBX18 transcription factor overexpression in human-induced pluripotent stem cells increases their differentiation into pacemaker-like cells. *Journal of cellular physiology*. 2019 Feb;234(2):1534-46.
- Enayati A, Khori V, Azadbakhat M, Zahedi M, Darvish-Mofrad-Kashani Z, Emaratkar E, Emadi F, Hashem-Dabaghian F, Raisi F, Hasheminejad SA, Eftekhari T. 10. Inhibitory effects of *Urtica dioica* L. root on electrophysiological properties of isolated rabbit atrioventricular node. *Journal Archive*. 2019;6.
- Aghaei M, Motallebnezhad M, Ghorghanlu S, Jabbari A, Enayati A, Rajaei M, Pourabouk M, Moradi A, Alizadeh AM, Khori V. Targeting autophagy in cardiac ischemia/reperfusion injury: A novel therapeutic strategy. *Journal of cellular physiology*. 2019 Oct;234(10):16768-78.
- Gorabi AM, Hajjghasemi S, Khori V, Soleimani M, Rajaei M, Rabbani S, Atashi A, Ghiaseddin A, Saeid AK, Tafti HA, Sahebkar A. Functional biological pacemaker generation by T-Box18 protein expression via stem cell and viral delivery approaches in a murine model of complete heart block. *Pharmacological research*. 2019 Mar 1;141:443-50.
- Khori V, Alizadeh AM, Khalighfard S, Heidarian Y, Khodayari H. Oxytocin effects on the inhibition of the NF- $\kappa$ B/miR195 pathway in mice breast cancer. *Peptides*. 2018 Sep 1;107:54-60.
- Taziki S, Khori V, Jahanshahi M, Seifi A, Babakordi FB, Nikmahzar EN. Protective role of taurine against hepatotoxicity induced by pyrazinamide in rats. *National Journal of Physiology, Pharmacy and Pharmacology*. 2018;8(6):824-8.

- Enayati A, Yassa N, Mazaheri Z, Rajaei M, Pourabouk M, Ghorghanlu S, Basiri S, Khori V. Cardioprotective and anti-apoptotic effects of *Potentilla reptans* L. root via Nrf2 pathway in an isolated rat heart ischemia/reperfusion model. *Life sciences*. 2018 Dec 15;215:216-26.
- Zahmati AH, Alipoor R, Shahmirzadi AR, Khori V, Abolhasani MM. Chemical Decellularization methods and its effects on extracellular matrix. *Internal Medicine and Medical Investigation Journal*. 2017 Sep 11;2(3):76-83.
- Polshekan M, Jamialahmadi K, Khori V, Alizadeh AM, Saeidi M, Ghayour-Mobarhan M, Jand Y, Ghahremani MH, Yazdani Y. RISK pathway is involved in oxytocin postconditioning in isolated rat heart. *Peptides*. 2016 Dec 1;86:55-62.
- Isanejad A, Alizadeh AM, Shalamzari SA, Khodayari H, Khodayari S, Khori V, Khojastehnjad N. MicroRNA-206, let-7a and microRNA-21 pathways involved in the anti-angiogenesis effects of the interval exercise training and hormone therapy in breast cancer. *Life sciences*. 2016 Apr 15;151:30-40.
- Kandelous HM, Salimi M, Khori V, Rastkari N, Amanzadeh A, Salimi M. Mitochondrial apoptosis induced by *Chamaemelum nobile* extract in breast cancer cells. *Iranian journal of pharmaceutical research: IJPR*. 2016;15(Suppl):197.
- Mohsenikia M, Farhangi B, Alizadeh AM, Khodayari H, Khodayari S, Khori V, Abbassi YA, Vesovic M, Soleymani A, Najafi F. Therapeutic effects of dendrosomal solanine on a metastatic breast tumor. *Life sciences*. 2016 Mar 1;148:260-7.
- Khori V, Alizadeh AM, Gheisary Z, Farsinejad S, Najafi F, Khalighfard S, Ghafari F, Hadji M, Khodayari H. The effects of low-level laser irradiation on breast tumor in mice and the expression of Let-7a, miR-155, miR-21, miR125, and miR376b. *Lasers in medical science*. 2016 Dec 1;31(9):1775-82.
- Bagheri F, Khori V, Alizadeh AM, Khalighfard S, Khodayari S, Khodayari H. Reactive oxygen species-mediated cardiac-reperfusion injury: mechanisms and therapies. *Life sciences*. 2016 Nov 15;165:43-55.
- Farhangi B, Alizadeh AM, Khodayari H, Khodayari S, Dehghan MJ, Khori V, Heidarzadeh A, Khaniki M, Sadeghiezadeh M, Najafi F. Protective effects of dendrosomal curcumin on an animal metastatic breast tumor. *European journal of pharmacology*. 2015 Jul 5;758:188-96.
- Changizi S, Khori V, Alizadeh AM. The effects of serotonin on the electrophysiological properties of atrioventricular node during an experimental atrial fibrillation. *Naunyn-Schmiedeberg's archives of pharmacology*. 2015 Aug 1;388(8):843-52.
- Khori V, Alizadeh AM, Moheimani HR, Zahedi M, Aminolsharieh Najafi S, Shakiba D, Nayebpour M. Acute effects of simvastatin to terminate fast reentrant tachycardia through increasing wavelength of atrioventricular nodal reentrant tachycardia circuit. *Fundamental & clinical pharmacology*. 2015 Feb;29(1):41-53.
- Khori V, Shalamzari SA, Isanejad A, Alizadeh AM, Alizadeh S, Khodayari S, Khodayari H, Shahbazi S, Zahedi A, Sohanaki H, Khaniki M. Effects of exercise training together with tamoxifen in reducing mammary tumor burden in mice: Possible underlying pathway of miR-21. *European journal of pharmacology*. 2015 Oct 15;765:179-87.
- Sepehr KS, Baradaran B, Mazandarani M, Yousefi B, Alitappeh MA, Khori V. Growth-inhibitory and apoptosis-inducing effects of *Punica Granatum* L. var. *spinosa* (apple punice) on fibrosarcoma cell lines. *Advanced pharmaceutical bulletin*. 2014 Dec;4(Suppl 2):583.
- Mazloom R, Eftekhari G, Rahimi M, Khori V, Hajizadeh S, Dehpour AR, Mani AR. The role of  $\alpha 7$  nicotinic acetylcholine receptor in modulation of heart rate dynamics in endotoxemic rats. *PLoS one*. 2013;8(12).
- Tavakoli F, Ostad SN, Khori V, Alizadeh AM, Sadeghpour A, Azar AD, Haghjoo M, Zare A, Nayebpour M. Outcome improvement of cellular cardiomyoplasty using triple therapy: mesenchymal stem cell+ erythropoietin+ vascular endothelial growth factor. *European journal of pharmacology*. 2013 Aug 15;714(1-3):456-63.



- Faghihi M, Alizadeh AM, Khori V, Khodayari V, Moradi S. Preconditioning effects of oxytocin in reducing cardiac arrhythmias in a rat heart regional ischemia-reperfusion model. *Physiology and Pharmacology*. 2013 Jan 10;16(4):393-403.
- Alizadeh AM, Faghihi M, Khori V, Sohanaki H, Pourkhalili K., Mohammadghasemi F., Mohsenikia M. Oxytocin protects cardiomyocytes from apoptosis induced by ischemia-reperfusion in rat heart: role of mitochondrial ATP-dependent potassium channel and permeability transition pore. *Peptides*. 2012;36(1):71-7.
- Khori V, Shirmohammadali H, Alizadeh AM, Rajaii M, Banikarimi A, Molseghi M. Role of mineralocorticoid receptors in the mediation of acute effects of hydrocortisone in isolated ischemic rat heart. *Physiology and Pharmacology*. 2013;17(2):137-47.
- Alizadeh AM, Faghihi M, Khori V, Sohanaki H, Pourkhalili K, Mohammadghasemi F, Mohsenikia M. Oxytocin protects cardiomyocytes from apoptosis induced by ischemia-reperfusion in rat heart: role of mitochondrial atp-dependent potassium channel and permeability transition pore. *Peptides*. 2012 Jul 1;36(1):71-7.
- Khori V, Najafi SA, Alizadeh AM, Moheimani HR, Shakiba D, Alizadeh F, Nayebpour M. Protective role of simvastatin on isolated rabbit atrioventricular node during experimental atrial fibrillation model: role in rate control of ventricular beats. *Naunyn-Schmiedeberg's archives of pharmacology*. 2012 Jul 1;385(7):697-706.
- Faghihi M, Alizadeh AM, Khori V, Latifpour M, Khodayari S. The role of nitric oxide, reactive oxygen species, and protein kinase C in oxytocin-induced cardioprotection in ischemic rat heart. *Peptides*. 2012 Oct 1;37(2):314-9.
- Khori V, Alizadeh AM, Yazdi H, Rakhshan E, Mirabbasi A, Changizi S, Mazandarani M, Nayebpour M. Frequency-dependent electrophysiological remodeling of the AV Node by Hydroalcohol Extract of *Crocus sativus* L.(Saffron) during experimental atrial fibrillation: the role of endogenous nitric oxide. *Phytotherapy research*. 2012 Jun;26(6):826-32.
- Mahmoodi M, Alizadeh AM, Sohanaki H, Rezaei N, Amini-Najafi F, Khosravi AR, Hosseini SK, Safari Z, Hydarnasab D, Khori V. Impact of fumonisin B1 on the production of inflammatory cytokines by gastric and colon cell lines. *Iranian Journal of Allergy, Asthma and Immunology*. 2012:165-73.
- Sineh Sepehr K, Baradaran B, Mazandarani M, Khori V, Shahneh FZ. Studies on the cytotoxic activities of *Punica granatum* L. var. *spinosa* (apple punice) extract on prostate cell line by induction of apoptosis. *ISRN pharmaceutics*. 2012 Dec 17;2012.
- Khori V, Changizi S, Biuckians E, Keshtkar A, Alizadeh AM, Mohaghheghi AM, Rabie MR. Relationship between consultation length and rational prescribing of drugs in Gorgan City, Islamic Republic of Iran.
- Khori V, Azadbakht M, Nayebpour M, Jamshidi AH, Pourabouk M, Alizadeh AM, Badaghabadi F, Changizi S, Rajaei M. Frequency-dependent anti arrhythmic effects of *crataegus monogyna* on the extracellular field potential recordings in the rabbit atrioventricular node, an experimental model of AF. *Physiology and Pharmacology*. 2011;15(1):36-46.
- Khori V, Nejad SS, Alizadeh AM, Yazdi HR, Pourabouk M, Badaghabadi F, Moheimani HR, Changizi S, Rajaei MA, Nayebpour M. Protective role of cyclosporine on the model simulated the rotational nodal arrhythmia (AVNRT) by using extracellular field potential recordings of isolated atrioventricular-node of rabbit. *Physiology and Pharmacology*. 2011;15(2):249-59.
- Khori V, Alizadeh AM, Navaeian AM, Nayebpour M, Pourabouk MO, Badaghabadi F, Changizi S, Rajaei M, Moheimani H, Yazdi H, Saleki SA. Role of nitric oxide on the electrophysiological properties of isolated rabbit atrioventricular node by extracellular field potential during atrial fibrillation. *Physiology and Pharmacology*. 2011;15(3):295-307.
- Alizadeh AM, Faghihi M, Sadeghipour HR, MohammadGhasemi F, Khori V. Role of endogenous oxytocin in cardiac ischemic preconditioning. *Regulatory peptides*. 2011 Feb 25;167(1):86-90.

- Khori V, Alizadeh AM, Niknam M, Moheimani HR, Yazdi HR, Pourabouk M, Badaghabadi F, Changizi S, Rajaei M, Nayebpour M, Dynamic age-related changes of extracellular field potential of isolated AV-node of rabbit. *Physiol Pharmacol*. 2011;15:173-81.
- Golalipour MJ, Balajadeh BK, Ghafari S, Azarhosh R, Khori V. Protective effect of *Urtica dioica* L.(Urticaceae) on morphometric and morphologic alterations of seminiferous tubules in STZ diabetic rats. *Iranian journal of basic medical sciences*. 2011 Sep;14(5):472.
- Alizadeh AM, Faghihi M, Sadeghipour HR, Mohammadghasemi F, Imani A, Houshmand F, Khori V. Oxytocin protects rat heart against ischemia-reperfusion injury via pathway involving mitochondrial ATP-dependent potassium channel. *Peptides*. 2010 Jul;31(7):1341-5.
- Davarian A, Khori V. Cardio protective effects of Exogenous and endogenous hydrocortisone in the rabbit model of ischemia-reperfusion. *Int.J. Morphol*. 2010;28(3):653-658.
- Khori v, Nayebpour M, Mansourian AR, Davarian A, Naseri M, Salehi A. Altered levels of nodal excitability by rat-depehndent inhibitory effects of essential oil of citrus aurantium on the electrophysiological properties of isolated perfused rabbit AV-node. protective role in the prevention of ouabain toxicity. *Int.J. Morphol*. 2010;28(2):445-451.
- Khori V, Davarian A, ayebpour M, Saleki S, Salehi A, Shirafkan AA, Badaghabadi F, Pourabouk M, Alizadeh AM , Changizi SH.Effect of nitric oxide modulation on the basic and rate-dependent electrophysiological properties of AV-node in the isolated heart of rabbit: The role of adrenergic and cholinergic receptors. *Physiology and Pharmacology*. 2010;14(1):12-22.
- Khori, Alizadeh F, Aminoshariyeh S, Pourabouk M, Nayebpour M, Salehi A, Shirafkan AA, Saleki S, Badaghabadi F, Davariyan A. Protective effects of simvastatin on atrioventricular node during simulated experimental atrial fibrillation in vitro. 2010;14(2):127-136.
- Alizadeh AM, Faghihi M, Sadeghipour HR, Mohammadghasemi F, Imani A, Houshmand F, Khori V. Oxytocin protects rat heart against ischemia-reperfusion injury via pathway involving mitochondrial ATP-dependent potassium channel. *Peptides*. 2010 Jul;31(7):1341-5.
- Alizadeh AM, Faghihi M, Sadeghipour HR, Mohammadghasemi F, Khori V. Role of endogenous oxytocin in cardiac ischemic preconditioning. *Regul Pept*. 2010 Dec 2.
- Marjani A, Ramazani MA, Khori V, Jamshir M, Alizadeh F. Use of leisure time in cardiovascular patients in Gorgan (south east of Caspian Sea). *Pak J Biol Sci*. 2009 Jan 1;12(1):74-8.
- Khori V, Changizii SH, Poorreza A, Zeinali R. Consultation time and determinates in general practitioners of gorgan, iran. *J of the Iranian institute for health sciences research payesh health monitor*. 2009 Mar 8(1): 39-47.
- Khori V, Nayebpour M, Golalipour m J, Firouzabadi SMP. New model of computer analysis for assessment of the effect of lesions induced by direct voltage current in isolated AVnode of rabbit.*J of physiology and pharmacology*.2009 4(12):277-286.
- Khori V, Nayebpour M, Mirabbasi A, Pourabouk M. Role of slow pathway after nodal fast pathway ablation on the basic and rate-dependent properties of the isolated rabbit atrioventricular Node. *J of physiology and pharmacology*.2009 (13)1:28-30.
- Marjani A, Ramazani MA, Khori V, Jamshir M, Alizadeh F. Use of leisure time in cardiovascular patients in Gorgan (south east of Caspian Sea). *Pak J Biol Sci*. 2009 Jan 1;12(1):74-8.
- Azadbakht M, khori V, Nayebpour M, Pourabouk M,Fazelinejad S, The role of edrenoceptors in the electrophysiological effects of hydroalcoholic extract of citrus bigaradia in experimental model of atrial fibrillation of isolated atrioventricular node of rabbit. *J of mazandaran university of medical sciences*.2009 Mar 68(19): 1-10.
- Khori V, Nayebpour M, Mirabbasi A, Azadbakht M, Salehi A. The role of Na<sup>+</sup>K<sup>+</sup>ATPase rate dependent properties of etanolic extract of urtica dioice root on isolated rabbit AV-Node preparation. *J of mazandaran university of medical sciences* .2008 Des-Jan 61(17):20-29.

- Khori V, Nayebpour M, Semnani S, Golalipour MJ, Marjani A. Prolongation of AV nodal refractoriness by *Ruta graveolens* in isolated rat hearts. Potential role as an anti-arrhythmic agent. *Saudi Med J*. 2008 Mar;29(3):357-63.
- Golalipour MJ, Gharravi AM, Ghafari S, Afshar M, Khori V. Effects of crocus sativus on the fetal development of NMRI mice. *Saudi Med J*. 2008, Feb;29(2):309-10.
- Khori V, Nayebpour M, Mirabbasi A, Ouabaine like effects of ethanolic extract of aerial parts of *Urtica dioice* L. on isolated rabbit atrioventricular node: Potential role as an anti-arrhythmic plant. *J of medicinal plants*. 2008 June 26(7)24-32.
- Khori V, Nayebpour M, Semnani S, Golalipour MJ, Marjani A. Prolongation of AV nodal refractoriness by *Ruta graveolens* in isolated rat hearts. Potential role as an anti-arrhythmic agent. *Saudi Med J*. 2008 Mar;29(3):357-63.
- Khori V, Nayebpour M, Mirabbasi A, Salehi A. The effect of liquid extract of *Allium sativum* on the basic and speed-dependent electrophysiological properties of isolated atrioventricular nodal of rabbit J of Shahrekord university of medical sciences. 2007 Des 9(3): 57-64.
- Khori V, Golalipour m J, Chronic effect of the hydroalcoholic extract of *Urtica dioice* leaves in regeneration of  $\beta$ -cells of hyperglycemic STZ rats. *J of medicinal plants*. 2006;5(2);23-30.
- Khori V, Nayebpour M, Mirabbasi A, Rakhshan E. The effect of aqueous extract of *Crocus sativus* on the basic and functional electrophysiological properties of isolated perfused rabbit AV-Nodal preparation. *J of Gorgan university of medical sciences* 2006 vol 8 no 3 (1-7).
- Khori V, Nayebpour M, Rakhshan E, Mirabbasi A. The effect of essence of *Citrus aurantium* on the electrophysiological properties of isolated perfused rabbit AV-node J of Gorgan university of medical sciences 2006 vol 8 no 2 (1-7).
- Khori V, semnani SH, Roshandel GH, Dadjoo M, Besharat S. Frequency Distribution of Drug Interactions and some of Related Factors in Prescriptions. *J of Guilan university of medical sciences*. 2006 58(15):73-80.
- Khori V, semnani SH, Roshandel GH. Effects of an Active Multifaceted Educational Intervention on Dispensing time in the Pharmacies of Gorgan. *J of Tabriz university of medical sciences & health services*. 2006 vol 27 no.4 (29-32).
- Khori V, Nayebpour M, Effect of *Artemisia absinthium* on electrophysiological properties of isolated heart or rats. *J of physiology and pharmacology*. 2007 10(4):303-312.
- Golalipour MJ, Khori V. The protective activity of *Urtica dioica* leaves on blood glucose concentration and beta-cells in streptozotocin-diabetic rats. *Pak J Biol Sci*. 2007 Apr 15;10(8):1200-4.
- Khori V, Nayebpour M, Mirabbasi A, Rakhshan E, The role of Nitric Oxide Synthase enzyme inhibitor on antiarrhythmic effect of *Crocus Sativus* on isolated rabbit atrioventricular node. *J of Guilan university of medical sciences*. 2007 63(16):1-10.
- Golalipour m J, Khori V. Effect of *Achillea santolina* on mice spermatogenesis. *Daru*, vol (12),no: 1, 2004.
- Nayebpour M, Naseri M, Khori V. Effects of ajmaline on rate-dependent atrioventricular node properties. Potential role in experimental atrioventricular re-entrant tachycardia. *Eur J Pharmacol*. 2001 Jan 19;412(1):77-89.
- Nayebpour M, naseri M, Khori V. Effects of Ajmaline on rate dependent atrioventricular node properties potential role in experimental atrioventricular re-entrant tachycardia. *European journal of pharmacology*, 412(2001)77-89.
- Khori V, Nayebpour M, Ashrafian Y. Effects of total extract of *Phytolacca decandra* on rate dependent properties of isolated rat heart. *Journal of Gorgan university of medical sciences*. 1, 32-42(1999).
- Khori V, Nayebpour M, Ashrafian Y. Effects of total extract of *Achillea santolina* on rate dependent properties of isolated rat heart. *Journal of Gorgan university of medical sciences*. 4,5-15(1999).

- Nayebpour M, Khori V. Effects of methanolic extract of *Camellia sinensis* on rate dependent properties of isolated rat heart. *Peiouhandeh*, 12,77-82(1998)

### **Inventions & innovations:**

1. Anti vibration table with double mechanism ( Spiral & Gas floatable system) for electrophysiology , molecular biology technical experiments. 28 January 2006.
2. The unique model for precise ablation of animal preparations invitro by using voltage or current. 3 october 2006.
3. The instrument for electrophysiological , biochemical and mechanical assessment of animal heart in vitro. 13 November 2006
4. The product contain **phtolaca decandra** as an antiarrhythmic solution. 9 January 2007.
5. The product contain root of **Urtica dioica** as an antiarrhythmic solution. 9 January 2007.
6. The aqueous and hydroalcoholic extract of **Croucus-sativus** As an antiarrhythmic druys. 22 november 2006.
7. The essence of **Citrus aurantium** as an antiarrhythmic. 22 november 2006.
8. Software controller machine induce acute thermal stress by thermal conduction and convection .

### **Computer skills:**

Daily uses of: Word, word perfect, Excel, SPSS, Graphpad, Power Point, Access, Stat graphics ver 5,