

# Curriculum Vitae



## ***Akbar Islamnezhad***

**Academic stuff in Chemistry group of Islamic Azad University of Rasht Branch,  
Member of Electrochemical Society of Iran  
& Member of Nano Society of Iran**

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### ***Personal Information:***

- Date of Birth: 09/08/1979
- Nationality: Iranian

### ***Education:***

- B.Sc. in Applied Chemistry- Graduated in 2002, Guilan University, Rasht
- M.Sc. in Analytical Chemistry- Graduated in 2004, Guilan University, Rasht
- Ph.D in Analytical Chemistry- Graduated in 2009, Guilan University, Rasht

### ***M.Sc. thesis:***

Studies of the heteropolyacids encapsulated in zeolites

## ***Ph.D thesis:***

Use Of organic ionophores and inorganic modifiers for design of chemically modified electrodes

## ***Publications:***

### **1. M.A. Zanjanchi, M. Arvand, N.O. Mahmoodi, A. Islamnezhad**

"Novel potentiometric membrane sensor based on 6-(4- nitrophenyl)-2-phenyl-4,4-dipropyl-3,5-diaza-bicyclo[3,1,0 ] hex-2- ene for detection of strontium (II) ions at trace levels"

Talanta 74 (2007) 125-131.

### **2. A. Islamnezhad, M.A. Zanjanchi, M. Arvand**

"Electrochemical Study of Encapsulated Heteropolyacids in Acidic Mordenite Zeolite"

J. Phys. Theor. Chem.I.A.U. Iran, 4 (2007) 135-154.

### **3. M. Arvand, M. A. Zanjanchi, A. Islamnezhad**

"Zeolite-Modified Carbon-Paste Electrode as a Selective Voltammetric Sensor for Detection of Tryptophan in Pharmaceutical Preparations"

Anal. Lett. 42 (2009) 727-738.

### **4. M. A. Zanjanchi, M. Arvand, N. O. Mahmoodi, A. Islamnezhad**

"A fast response strontium ion-selective electrode prepared by sol-gel membrane technique"

Electroanalysis, Article in press

### **5. A. Islamnezhad, M. A. Zanjanchi, M. Arvand, Sh. Shariati, A. Abri**

"A Fast Response Membrane Sensor based on Ethyl 1, 2, 3, 4-tetrahydro-6-methyl-4-phenyl-2-thioxopyrimidine-5-carboxylate for Detection of Lanthanum (III) Ions at Wide Concentration Range"

Anal. Lett., Article in press

## **Seminars :**

**1. M.A. Zanjanchi, M. Arvand, A. Islamnezhad**

"Zeolite-modified carbon paste electrode as a selective voltammetric sensor for detection of Tryptophan"

59<sup>th</sup> Annual Meeting of the International Society of Electrochemistry, 7 - 12 September 2008, Seville – Spain

**2. M.Faraji, A. Islamnezhad, A. Saleh, Sh. Shariati, Y. Yamini**

"Cloud point extraction followed by flow injection ICP-OES preconcentration and determination of aluminium ion in aqueous samples"

35<sup>th</sup> International Symposium on Environmental Analytical Chemistry, 22-26 June 2008, Gdansk, Poland

**3. A. Islamnezhad , M.A. Zanjanchi, M. Arvand**

" Electrochemical study of encapsulated heteropolyacids in zeolite modified electrodes (ZMEs)"  
15<sup>th</sup> Iranian Seminar of Analytical Chemistry (Feb, 27-1 March 2007, Shiraz, Iran)

**4. M.A. Zanjanchi, M. Arvand, N.O. Mahmoodi, A. Islamnezhad**

"A new potentiometric sensor based on 6-(4- nitrophenyl)-2-phenyl-4,4-dipropyl-3,5-diazabicyclo[3,1,0 ] hex-2- ene for detection of strontium (II) ions "

7<sup>th</sup> Biennial Electrochemistry Seminar of Iran (7BESI) Aug. 28-30, 2007, Urmia, Iran

**5. M.A. Zanjanchi, A. Islamnezhad**

"Study of engaged Heteropolyacids in zeolites"

11<sup>th</sup> Iranian conference of crystallography and mineralogy, Iran, Yazd, 1382

**6. M.A. Zanjanchi, A. Islamnezhad**

"Study of acidity of engaged Heteropolyacids in zeolites"

4<sup>th</sup> scientific conference of guilan universities, Iran, Rasht, 1382

**7. A. Islamnezhad, Sh. Shokrollahi, Sh. Shariati, M. Valizadeh**

“Lowering the detection limit of  $\text{Al}^{3+}$ -selective electrode with suppressing zero-current membrane fluxes”

16<sup>th</sup> Analytical Chemistry Seminar of Iran, June. 28-30, 2009.

**8. M.A. Zanjanchi, M. Arvand, N.O. Mahmoodi, A. Islamnezhad**

“A Fast Response Strontium Ion-selective Electrode Prepared by Sol-gel Membrane Technique”

5<sup>th</sup> Conference of Electrochemical Society of Iran, 7,8 May, 2009, Tehran, Iran.

**9. M. Arvand, M.A. Zanjanchi, A. Islamnezhad**

“Zeolite-modified Carbon Paste Electrode as a Selective Voltammetric Sensor for Detection of Tryptophan in Pharmaceutical Preparations”

5<sup>th</sup> Conference of Electrochemical Society of Iran, 7,8 May, 2009, Tehran, Iran.

**10. A. Islamnezhad, M. A. Zanjanchi, M. Arvand, Sh. Shariati, A. Abri**

“Novel Potentiometric Membrane Sensor based on ethyl 1, 2, 3, 4-tetrahydro-6-methyl-4-phenyl-2-thioxopyrimidine-5-carboxylate for Detection of Lanthanum (III) Ions at Trace Levels”

5<sup>th</sup> Conference of Electrochemical Society of Iran, 7,8 May, 2009, Tehran, Iran.

## **Research projects :**

**1. A. Islamnezhad**, M.A. Zanjanchi, M. Arvand Barmachi, Sh. Shariati

" Electrochemical study of encapsulated heteropolyacids in zeolites"

**2. Sh. Shariati, Y. Yamini, M.Faraji, A. Islamnezhad**

"Cloud point extraction followed by flow injection ICP-OES preconcentration and determination of aluminium ion in aqueous samples"

**3. A. Islamnezhad, M. A. Zanjanchi, M. Arvand Barmachi, Sh. Shariati, A. Abri**

"Novel potentiometric membrane sensor based on ethyl 1, 2, 3, 4-tetrahydro-6-methyl-4-phenyl-2-thioxopyrimidine-5-carboxylate for detection of lanthanum (III) ions at trace levels"

**4. A. Islamnezhad, A. Abri, M. Arvand Barmachi**

" La<sup>3+</sup> Ion-selective electrode prepared by sol-gel technique "

**5. A. Islamnezhad, A. Abri**

'Nano-level monitoring of La(III) ions by selective electrode with unbiased selectivity coefficients'

**6. N. Mahmoodi, A. Islamnezhad, A. Abri, H. Rezaeij, E. Shahpanah**

'Novel potentiometric Cu<sup>2+</sup>-selective electrode with subnanomolar detection limit'

**7. A. Islamnezhad, Sh. Shokrollahi, M. Valizadeh**

"Lowering the detection limit of Al<sup>3+</sup>-selective electrode with suppressing zero-current membrane fluxes"

### ***Skills, Qualification and Possibility:***

- Having good command of English (Reading, Writing and Translation).
- Software Ability: Microsoft office (word, Excel, Power point), Photoshop, Networking soft ware
- Enable to do working with analytical instruments (X-ray diffractometer, Potentiostat-Galvanostat, D.R and Uv-vis spectroscopy)

#### **Contact:**

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