

Mohammad Abedi

Date & Place of birth: April, 9, 1971, Iran

Nationality: Iranian

Marital status: Married

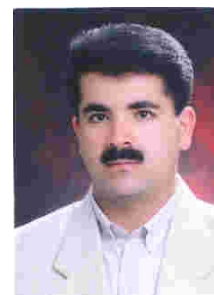
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Educations:

- 1- B. Sc. Degree in Applied Chemistry, Mazandaran University, Babolsar, Iran (1994).
- 2- M. Sc. Degree in Analytical Chemistry, Shiraz University, Shiraz, Iran (1996).
- 3- P.H.D Degree in Analytical Chemistry, Isfahan University, Isfahan, Iran (2006).

Researches:

a) Research projects:

- 1- Measurement and Determination of Problem Points due to Generation of Patulin in Apple Concentrate Production Process (2000).
- 2- Synthesis of Thioglycolic Acid and Calcium Thioglycolate (2001).
- 3- Utilization of Energy which Could Be Obtain during Reduction of High Pressure Media to Low Pressure in Isomax Unit and Utility (2003).
- 4- Feasibility Study of Substituting of Wet Cooling Towers of Isfahan Petroleum Refinery with Dry Cooling Tower (2003).
- 5- Preparation of Mirror Backing Paint (2004).
- 6- The Investigation of Rice Straw Applications in order to Decrease Air Pollution due to it's Burning (2004).
- 7- Study and Investigation of a Suitable Coating for Surface Protection of Ammonium Sulfate Producing Plant in Isfahan Steel Company (2004).

b) Pilot plant projects:

- 1- Design, Construction, Installation and Testing of a Chemical Multipurpose Pilot Plant for Chemical Industry Group of IROST- Isfahan (2000).
- 2- Multipurpose Pilot Plant of Urea and Malt Extract for Microbiologic Culture Media (2003).

c) Certificated projects:

- 1- Purification of Ammonium Sulfate, Certificate Number 1406 by IROST (2000).
- 2- Production of Tea Extract, Certificate Number 2106/10 by IROST (2001).

Papers:

- 1- S. M. Talebi, and **M. Abedi**, *Determination of Atmospheric Concentrations of Inorganic Anions by Ion Chromatography following Ultrasonic Extraction*, J of Chromatography A, 1094, 118-121 (2005).
- 2- S. M. Talebi, and **M. Abedi**, *Determination of arsenic in air particulates and diesel exhaust particulates by spectrophotometry*, Journal of Environmental Science- China, 17, 156-158 (2005).
- 3- S. M. Talebi, **M. Abedi** and A. Mohammadkhah, *The Relationship between Concentration of Polycyclic Aromatic Hydrocarbons and Heavy Metals Urban Air*, Pollution Research, 24, 451-454 (2005).
- 4- S. M. Talebi, R. Karimian, and **M. Abedi**, *Sensitive Determination of Gaseous Mercury in Air by two-stage Gold Amalgamation and Cold Vapor Atomic Absorption Spectrometry*, Fresenius Environmental Bulletin, 13, 633-638 (2004).
- 5- S. M. Talebi, and **M. Abedi**, *Concentration of Heavy Metals in the Atmosphere of the City of Isfahan*, Pollution Research, 23, 211-214 (2004).

- 6- **M. Abedi**, The Study of Protection Media against of Sulfuric Acid Corrosion in Isfahan Steel Company, Foolad, 122 (2005), 17-24 (in Farsi).

Conference Presentations:

- 1- **M. Abedi**, *Corrosion Protection of the Surfaces of Ammonium Sulfate Production Plants in Isfahan Steel Company*, Iranian Corrosion/2007 ICA, International Congress May 14-17, 2007 – Tehran, Iran
- 2- **M. Abedi**, S. M. Talebi, *Supercritical Fluid Extraction of Mercury from Airborne Particulate Matter*, The 34th International Symposium on Environmental Analytical Chemistry, Humburg, Germany (2006).
- 3- S. M. Talebi, and **M. Abedi**, *Extraction of Heavy Metals from Airborne Particulate Matter using Supercritical Fluid with Chelating Agents*, The 3rd Iranian Seminar of Chemistry and Environment, Sanandaj, Iran (2005).
- 4- S. M. Talebi, and **M. Abedi**, *Determination of Heavy Metals in Atmospheric Particles (PM10 & PM2.5) by Electrothermal Atomic Absorption Spectrometry*, 14th International Conference Transport and Air pollution, Graz, Austria (2005).
- 5- S. M. Talebi, and **M. Abedi**, *Determination of Lead in Urban Air by Flame Atomic Absorption Spectrometry after Solid-Liquid Extraction and Preconcentration using Cellulose*, The 9th FECS Conference and 2nd SFC Meeting on Chemistry and the Environment, Bordeaux, France (2004).
- 6- S. M. Talebi, and **M. Abedi**, *Comparison The Determination of Nitrate in Surface Water by Ion Chromatography and Spectrophotometry* The 17th International Ion Chromatography Symposium, Trier, Germany (2004).
- 7- S. M. Talebi, and **M. Abedi**, *Determination of Atmospheric Concentrations of Inorganic Anions by Ion Chromatography following Ultrasonic Extraction*, The 17th International Ion Chromatography Symposium, Trier, Germany (2004).
- 8- **M. Abedi**, and F. Ebrahimi Motlagh, *Multipurpose Pilot Plant for Production of Urea and Base Compounds of Microbiologic Cultur Media*, Mashhad, Iran (2004).
- 9- **M. Abedi**, *Preparation of Peptones by Pancreatic Digestion of Casein, Gelatin and Meat for Microbiologic Cultur Media*, The 1st Nation Wide Conference of Biology Student, Mashhad, Iran (2004).
- 10- S. M. Talebi, and **M. Abedi**, *Quantitative and Qualitative Investigation of Air Particulates in a Steel Production Plant by SEM-EDX and ICP-AES*. 13th Iran's Seminar of Analytical Chemistry, Mashhad, Iran (2004).
- 11- **M. Abedi** and S. M. Talebi, *Determination of Trace Heavy Metals in Dust Deposition by Inductively Coupled Plasma Atomic Emission Spectrometry*, The 2nd Seminar of Chemistry and Environment, Isfahan, Iran (2004).
- 12- S. M. Talebi, and **M. Abedi**, *Accurate Determination of Trace Heavy Metals in Dust Depositions after Replacing Leaded Petrol by Graphite Furnace Atomic Absorption Spectrometry*, 12th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Antalya, Turkey (2003).
- 13- S. M. Talebi, and **M. Abedi**, *Determination of Heavy Metals in Urban Air by X-ray Fluorescence Spectrometry*, 2nd International Conference on Chemistry and its Applications, Doha, Qatar (2003).
- 14- S. M. Talebi, and **M. Abedi**, *Determination of Elemental and Organic Carbon in The Atmosphere of The City of Isfahan*, The 12th Iranian Seminar of Analytical Chemistry, Babolsar, Iran (2003).
- 15- **M. Abedi**, and M. N. Ghazali, *Measurement and Determination of Problem Points due to Generation of the Patulin in the Apple Cocentrare Production Process*, 13th National Iran Congress of Food Industry, Tehran, Iran (2002).
- 16- K. R. Vatankhah, **M. Abedi** and S. A. Mozaffari, *Recovery of Acid-Lead Battery.*, The 1st National Iranian Seminar of Battery, Theran, Iran (2001).
- 17- S. A. Mozaffari, G. Vatankhah, and **M. Abedi**, *Applications of Zeolites in Detergents*, The 7th International Seminar on Hygienic and Cosmetics Industries, Tehran, Iran (2001).
- 18- **M. Abedi** and S. Khaloo, *Applications of Thioglycolic Acid and Its Dervatives in Hygienic and Cosmetics Industries.*, The 7th International Seminar on Hygienic and Cosmetics Industries, Tehran, Iran (2001).
- 19- **M. Abedi** and F. Ebrahimi Motlagh, *Saturated Fatty Alcohol and Its Applications in Hygienic and Cosmetics Industries.*, The 7th International Seminar on Hygienic and Cosmetics Industries, Tehran, Iran (2001).
- 20- M. H. Moosazadeh, **M. Abedi** and M. Vafadar., *Purification of Liquid Parafine by Active Bentonite Catalyst*, The 7th International Seminar on Hygienic and Cosmetics Industries, Tehran, Iran (2001).
- 21- **M. Abedi**, M. H. Moosazadeh and S. A. Mozaffari, *Design, Construction, Installation and Testing of a Chemical Multipurpose Pilot Plant for Chemical Industry Group of IROST- Isfahan*, The 6th National Iranian Chemical Engineering Congress, Isfahan, Iran (2001).
- 22- **M. Abedi**, M. H. Moosazadeh, A. K. Bordbar, and S. A. Mozaffari., *Preparation of Peptones from Casein, Gelatin, Meat and Soybean by Proteolitic Enzymes*, 1st Iranian Congress on Applied Biology, Mashhsd, Iran (2001).