



Dr. Hamid Shirkhanloo

Resume

Adress: Mirdamad St., Shahnazari St., Farjam St., Num 14, Tehran,
Associate Professor of Analytical Chemistry in RIPI, Tehran, Iran
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Analytical
Chemistry

Professional summary:

Work: Associate Professor of analytical chemistry in Research Institute of Petroleum Industry, Azad University of Tehran, and Tehran university, Iran.

Degree: B.Sc. in applied chemistry (Tehran Un), M.Sc. in applied chemistry (Semnan Un), PhD in analytical chemistry (K. N. Toosi Un), post.doc in Nano technology and post.doc in occupational health.

Published: More than 100 papers, 12 patents, 14 books and more than 100 conference papers

Experiences: Chemistry, Occupational Health, Nanotechnology, Environment, Nursing, Electronic.

Some of Professional summary as follows,

- ✓ 50 MSC Students in Chemistry, air pollution, Occupational Health, Environment
- ✓ 20 PhD Students in Chemistry, Occupational Health and Environment
- ✓ 43 Research proposal
- ✓ 12 prize
- ✓ 13 patent
- ✓ h index 15

Skills:

- ✓ Analytical Chemistry
- ✓ Analytical Chemistry in environment air
- ✓ Analytical Chemistry in Food
- ✓ Analytical Chemistry in Agriculture
- ✓ Multiple Extraction in waters
- ✓ Analytical Chemistry in air pollution (BTEX)
- ✓ Work with Spectrometer F-AAS
- ✓ Work with Spectrometer ET-AAS
- ✓ Work with Spectrometer HG-AAS
- ✓ Work with Gas chromatography
- ✓ Work with HPLC
- ✓ Work with Microwave 3000
- ✓ Work with GC-MS
- ✓ Sample preparation of human biological samples such as serum, blood and urine.
- ✓ Separation, Pre-concentration, Extraction
- ✓ Ionic Liquid
- ✓ Nanotechnology for Metal analysis in blood
- ✓ Speciation of Metals such as As ,Hg and
- ✓ Bio-Chemistry and Biomedical Analysis
- ✓ Analytical analysis in Food and agricultural
- ✓ Analytical method in air pollution.
- ✓ Removal of Benzene from air by Nanotechnology
- ✓ Removal Dust from air
- ✓ water and Waste water analysis
- ✓ Monitoring
- ✓ Quality-control analysis
- ✓ Systems analysis
- ✓ Chemistry
- ✓ Engineering and technology

Experience:

Research Institute of Petroleum Industry, Tehran, Iran

Associate Professor of Analytical Chemistry in RIPI, Feb 2015 - Present

- ✓ Nanotechnology Research
 - ✓ Environment Research
 - ✓ Many proposals in air pollution, Analytical chemistry, Analytical Method by Nano science.
 - ✓ New method in field of Chemistry,
 - ✓ Analytical Chemistry in Analytical Chemistry in environment air
 - ✓ Analytical Chemistry in Food
 - ✓ Analytical Chemistry in Agriculture
 - ✓ Multiple Extraction in waters
 - ✓ Analytical Chemistry in air pollution (BTEX)
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Iranian Petroleum Industry Health Research, Tehran, Iran

Associate professor of analytical chemistry, Apr 2011 - Nov 2015

- ✓ Department of Chemistry and Environment
 - ✓ Petroleum Industry Health Research Institute(IPIHRI)
 - ✓ Occupational and Environmental Health Research Center (OEHRC)
 - ✓ Manager and researcher in IPIHRI.
 - ✓ Education Manager : Proposal of MSC and Doctoral students in different filed such as,
 - ✓ Chemistry
 - ✓ HSE
 - ✓ Environment chemistry
 - ✓ Chemistry in Environmental and Occupational Health
 - ✓ Analytical chemistry in Food and agriculture
 - ✓ Analytical chemistry for Metals
 - ✓ Analytical chemistry based on Nano materials
 - ✓ Improve of methodology in Chemistry
 - ✓ Air pollution Research
 - ✓ Functionality of Nano materials with Ionic Liquids
 - ✓ Multiple Extraction in waters
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Chemistry laboratory in Oil Company, Tehran, Iran

Analytical chemistry technologist, May 2001 - Aug 2011

- ✓ Work with Spectrometer F-AAS
- ✓ Work with Spectrometer ET-AAS
- ✓ Work with Spectrometer HG-AAS
- ✓ Work with Gas chromatography
- ✓ Work with HPLC
- ✓ Work with Microwave 3000

- ✓ Work with GC-MS
- ✓ Sample preparation of human biological samples such as, serum, blood and urine.
- ✓ Separation
- ✓ Pre-concentration
- ✓ Extraction
- ✓ Ionic Liquids
- ✓ Nanotechnology for Metal analysis in blood
- ✓ Speciation of Metals such as As,Hg and
- ✓ Bio-Chemistry
- ✓ Biomedical Analysis
- ✓ Analytical analysis in Food and agricultural
- ✓ Analytical method in air pollution
- ✓ Removal of benzene from air by Nanotechnology
- ✓ Removal Dust from air
- ✓ Water and Waste water analysis

Nursing, Tehran, Iran

Nursing of Operation room in oil Company of Iran, Apr 1991 - Jul 2001

- ✓ We will prepare the operating room for the patient in hospital of oil company, setting up the tools and making sure the field is sterile. Scrub nurses assist the surgical team by donning sterile masks, gloves and gowns as well as aid the physician by passing instruments during surgery.
- ✓ We are often required to pass examinations administered by the government or by nursing certification boards before being allowed to work as nurses, and they may also be expected to attend periodic continuing education classes in university so that they keep up with developments in the nursing field.

✓

Our practice in different types of surgery include:

- ✓ General surgery (e.g. appendectomy, gallbladder removal)
- ✓ Vascular surgery (e.g. varicose vein surgery, aortic aneurysm repair)
- ✓ Colo-rectal surgery (e.g. stoma formation)
- ✓ Surgical Oncology (e.g. breast surgery, tumour resections)
- ✓ Orthopaedic surgery (e.g. knee or hip replacements, fracture repair)Urological surgery
- ✓ (e.g. prostate surgery)

Education:

1. Tehran University of Medical Science, Tehran , Iran
Post Doc. : Apply of nanotechnology in Occupational Health Dec 2014
2. Tehran University, Tehran , Iran
Post Doc. : Environmental chemistry Dec 2013
3. Khajeh Nasir Toosi University of Technology, Tehran, Iran
PhD in Analytical Chemistry, Aug 2011
Analytical Chemistry with Proposal of effect of heavy metals on MS patients
4. Semnan University of Semnan, Iran
Master of Science in Applied Chemistry, Jul 2007
Applied Chemistry with proposal of Mercury in Air
5. Islamic Azad University of Tehran, Iran
Bachelor of Applied Chemistry Sep 1998
6. Kerman University of Medical Sciences, Kerman, Iran
Bachelor of Nursing in operation room, Mar 1989