

Curriculum Vitae OF Dr Nezar Hassan Khdary

Nationality: Saudi Arabian **Date of Birth :** 28/02/1966 **Family status:** Married

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Education

1. PhD from University of Southampton, UK. (Silica Based *Nano*-Scavengers for the Determination of Environmental pollutants), **2006**
2. Diploma in Analytical Chemistry (Techniques of Gas Chromatography), Texas,USA, **1994**
3. B.Sc of Applied Chemistry from Umm Al-Qura University (**1989**) KSA.

Skills Courses

1. Health System Research Methodology, WHO, MOH, Jeddah, KSA, 2008
2. Mentor training course, RSC, UK, 2006
3. Introduction to method validation workshop, LGC London. 2006
4. Infectious diseases course 2006,KSA
5. Forensic medicine workshop 2005,KSA
6. GC/SPME Workshop, SIGMA-ALDRICH, Oxford,2005
7. Statistical tools for chemists workshop, LGC London, 2005
8. Measurement uncertainty workshop, LGC London, 2003
9. Key principles of effective teaching workshop, 2002 Southampton
10. Environmental health program, 2001, KSA
11. Training course in analysis using Atomic absorption spectrophotometer, Switzerland, 1993
12. AMA, for Professional Practice in Clinical Chemistry, George Washington University, 1991
13. Intensive course in toxicology and analysis of toxic compounds, MTC, KSA, 1991

Computer courses

1. CorelDraw course, SA, 2007
2. Photoshop course, UK, 2005
3. Computer Maintenance Course, UK, 2002
4. Web designer Course, SA,2001
5. MS-Word, Excel, Access, PowerPoint certificate, 2001
6. Introduction to dBASE McGraw Hill, 1987
7. Lotus 1231 McGraw Hill, 1987

Memberships:

1. Royal Society of Chemistry (MRSC)
2. Saudi Chemical Society
3. Saudi Environment Society
4. Saudi Public Health Society

Invited Lectures at Conferences and institutions

1. Invited Lecture on the air pollution, Prince Salman Center, MOH, Riyadh, KSA, **2008**
2. Invited Lecture on Water pollution, GDMTC, **2008**
3. Invited Lecture on the applications of nano materials for environmental applications King Abdulaziz City for Science and Technology (KACST), Riyadh, KSA, **2007**
4. Invited Lecture on the synthesis of nano material by sol-gel process for environmental application, at the National Conference in Chemistry, Makkah, KSA,**2007**
5. Invited Lecture on the risk impact of nano materials, Prince Salman Center, MOH, Riyadh, , KSA, **2007**
6. Invited Lecture at the symposium on public health (Water contamination), Public Heath Laboratory Medical center, KSA, **2006**
7. Invited Lecture at the Symposium for drug abuse awareness, Specialized Training Center KSA, **2001**.
8. Invited Lecture at Hera Hospital on the Hazard of toxic substance from medical waste. **2001**
9. Invited Lecture at AL-Noor Hospital on Hazard of toxic substance from medical waste. **2001**

Experience and positions

- Head of Preventive Medicine Affairs, General Directorate of Health Affairs, Makkah region, **2009** till now
- Representative of the Kingdom of Saudi Arabia in the Singapore Cooperation Programme, Singapore Environment Institute, Singapore, **2008**
- Representative of the Kingdom of Saudi Arabia at the Regional Meeting and Seminar on the Health Impact of Air Pollution, World Health Organization, Cairo, Egypt;
- Nominated by the Minister of Health as chairman of the committee appointed to investigate the sources of pollution in the city of Makkah, and to determine the best resolutions of them, **2007**
- Researcher at research unit, Toxicology Center, Makkah Region, (**2007 up to now**)
- Assistant manager of Environmental Health Department, Health Affairs directorate of Makkah, KSA (**2006-2009**)
- Head of Forensic Toxicology Department, Makkah Toxicology & Forensic Chemistry Center **1992-1997**
- Technical Manger of Drugs & Poisons information Unit (**1993-1997**)
- Assistant manager of analytical Chemistry Department, Makkah Toxicology & Forensic Chemistry Center **1991**

Selected Publications

1. The Relation Between Kidney Functions and Quality of Water, MOH, **2009, In Press**
2. Comprehensive Study of Makkah Water Wells; Including (heavy metals analysis, uranium, Physical properties and Biological quality and Geographical point system. MOH, **2009**
3. The Effect of Adding Selected Electrolytes on the Surface Area of **Nano**-Sized Silica Particles, The International Conference for Nanotechnology Industries the Leading Technology of 21st Century, Riyadh, Saudi Arabia, **2009**
4. Synthesised and Modification of Silica **Nano** Particles for the Determination of Narcotics by Solid Phase Dispersion Extraction, The International Conference for **Nanotechnology** Industries the Leading Technology of 21st Century, Riyadh, Saudi Arabia, **2009**
5. Using Total Dissolved Substance (TDS) to Recognize the Sources of Drinking Water in central area of Makkah AL-Mukaramah, JSCS, 40929-36, **2009**
6. Extraction of environmental pollutants based on new **Nano**-solid phase dispersion extraction, National Conference of Chemistry, **2007**, KSA.
7. Spray synthesis of monodisperse **Sub-micron** spherical silica particles, Materials Letters **2006**,07,110.

8. **Nanoscavenger** based dispersion preconcentration; sub-micron particulate extractants for analyte collection and enrichment, *Analyst*, **2005**, 130.
9. Application of Thiol-**Nanosacavenger** in the measurement of environmental pollutants, the federation of analytical chemistry and spectroscopy society, Canada, **2005**.
10. Spectrofluorimetric determination of surface-bound thiol groups and its application to the analysis of thiol-modified silicas, *Analyst*, **2004**,129
11. Synthesis of monodisperse silica **Nano**-particles using a new sol-gel approach, 7th International Conference on **Nano** structured Materials, Germany, **2004**.
12. **Nanoscavenger** a "green" replacement for solvents in solvent extraction, *Essential Analytical Chemistry, for the next 50 years*, Plymouth, **2004**.
13. A New Technique for Visualizing Thin Layer Chromatograph Plates, The International Association of Forensic Toxicology (IAFT), 26,3, **1996**

Awarded

1. Singapore Cooperation Programme Certificate Awards, **2008**
2. King Abdulaziz City for Science and Technology Advanced Technology Fund, **2007**.
(Using **Nano** materials for extraction of Narcotic by SPDE)
3. University of Southampton Prize of **Nano-Chemistry**, Chemistry Department, **2004**.
4. Nominated by Head of School of Chemistry University of Southampton for Postgraduate Industry Programme, sponsored by Royal Society of Chemistry, **2003**.

Interests and Key research

My main interest is developing new green materials for solving environmental problems. Utilizing nano material in advance technique is the most concern in my work. The problem of some pollutants in air or water is that, the concentrations of them usually under the detection limit, therefore, the developing new techniques and methods for detection that level of pollutants is demand. The water analysis and water treatment is one of my interest area as well and based on my experience on drug analysis, I utilized nano particles for drug analysis.

Environmental, Water and Air pollution , Nano materials , Synthesis of New Nano materials for applications such as Drug analysis disease detection, Drug deliver and Public health applications.