

# Curriculum Vitae

## Personal Data

Sameer Amereih Bsharat, *Associate Professor of Analytical & Environmental Chemistry*

## Contact address

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**Date of birth:** 05.05.1970

**Marital status:** Married

**Number of Children:** Five

## Education

**2002-2005** University of Leoben-Austria, **PhD, Instrumental Analytical Chemistry and Environmental Chemistry.**

Title: Antimony speciation in environmental samples using isotope dilution techniques

General, Analytical and Physical Chemistry Department (Advisors: W. Wegscheider and T. Meisel)

**1994-1997** An-Najah National University-Palestine, **M.Sc**

Title: Spectrophotometric determinations of anionic surfactants in water samples.

Chemistry Department (Advisors: A. Abu Zohari, N. Zatar)

**1990-1994** An-Najah National University-Palestine, **B.Sc with distinction**  
Chemistry Department

## Scholarships

North-South Dialogue Scholarship offered by Austrian Exchange Service (ÖAD) covers my PhD study

Palestinian Union Appeal Society, Washington DC covers my M.Sc study

## **Current Position**

Since January 2015, Associate Professor of Analytical Environmental Chemistry, Chemistry Department, Palestine Technical University, Tulkarm-Palestine.

## **Working Experience**

- 9/2013-9/2015** Head of Chemistry Department, Palestine Technical University, Tulkarm-Palestine.
- 2/2011-9/2013** Director of Quality Department, Palestine Technical University, Tulkarm-Palestine.
- 1/2006-6/2009** Researcher at Natural Resources Department, Palestinian National Agricultural Research Center (NARC), Jericho- Palestine.
- 7/2005-10/2005** FWF Project (Rock magnetic indicators for soil pollution)-Austria
- 4/2004-8/2004** Testing the performance of a new developed ultrasonic bath for Anton Paar Company, Graz-Austria.
- 1997-2002** Deputy Director of Natural Resources Department at the Palestinian National Agricultural Research Center (NARC), Jericho- Palestine responsible for water, soil and plant analysis laboratories.
- 2000-2002** Laboratory Manager in Dairy Products Factory this belongs to Arab Development Society Project, Jericho- Palestine.  
(Part Time: two days per week)
- 2001-2002** Instructor at Palestinian Agricultural Relief Committees (PARC) - Training Center, Jericho- Palestine.  
Teaching two courses: Analysis of dairy products and analysis of irrigation water and soil. (Part Time: two lectures per week)
- 1995-1997** Chemistry Teacher in Secondary School, Jericho- Palestine.

## **Analytical Working Experience:**

### **Kinds of specimen that I use to analyse them:**

Water (waste, drinking, irrigation), Soil, Plant ( tissues, fruits), Olive Oil, Fertilizers and Pesticides.

### **Major analytical Instruments that I can use them:**

Inductive coupled Plasma Mass Spectrometer (ICP-MS), High Performance Liquid Chromatography (HPLC), Gas Chromatography (GC), Atomic Absorption Spectrophotometer (AAS), UV- Visible Spectrophotometer, ...etc.

## **Projects**

Strengthening Support System Focusing on Sustainable Agriculture in the Jordan River Rift Valley (JICA), January 2008-July 2009.

Program for saving fresh water resources with salt –tolerant forage production in marginal areas of the WANA region (ICBA), April 2007- December 2008.

Using saline water in agriculture (Danish cooperation project), April 2007- June 2009.

Safe and productive use of wastewater and graywater in agriculture amid water scarcity and climate change in Middle East region (ICARDA), submitted for funding.

## **Selected Training Courses**

3-14 May, 1998                      Improving on-Farm Water-use Efficiency. International Center for Agriculture Research in Dry Areas (ICARDA),  
**Aleppo-Syria**

7-17 November, 1998              Environmental Management. Bierzeit University,  
**Ramalah-Palestine**

24 October- 4 November, 1999 Marginal Water Management for the Sustainable Agriculture in the Dry Areas International Center for Agriculture Research in Dry Areas (ICARDA),  
**Aleppo-Syria**

19 February- 2 March, 2000      Soil and Plant Analysis. International Center for Agriculture Research in Dry Areas (ICARDA),  
**Aleppo-Syria**

10-14 May, 2000                    Olive Oil Processing. Ruppin Institute of Higher Education  
**Israel**

3 October, 2002- 5 June, 2003 Aqueous Systems: Water and Soil. University of Leoben,  
**Leoben-Austria**

05-23 May, 2003	Metals in Biological Systems. Karl-Franzens-Graz University, <b>Graz-Austria</b>
6-24 October, 2003	Speciation Analysis. Karl-Franzens-Graz University. <b>Graz-Austria</b>
23-27 February, 2004	International Graduate Course in Speciation and Bioavailability. <b>Geneva-Switzerland</b>
25 August-6 September 2007	Concepts and Approaches of Strategic and Operational Planning, Japan International Cooperation Agency (JICA), <b>Amman-Jordan.</b>
7-11 March 2009	ISO17025/2005 Standard, Japan International Cooperation Agency (JICA), <b>Jericho-Palestine</b>
15-19 March, 2009	Participatory Research and Extension, International Center for Agriculture Research in Dry Areas (ICARDA), <b>Amman-Jordan</b>
10 Full Days ( April-August, 2011)	Increasing Market and Technological Intelligence to Better Support Your Start ups / SMEs, at Palestine Information & Communications Technology Incubator (PCTI), in Ramallah -Palestine
11-12 January 2012-04-12	A Holistic Approach to achieve Quality in Higher Education, The Association of Arab Universities in Cooperation with British Council, <b>Amman- Jordan</b>

## **Publications and International Conferences**

### **Papers**

1. Speciation analysis of inorganic antimony in soil using HPLC-ID-ICP-MS  
**S. Amereih**, T. Meisel, E. Kahr, W. Wegscheider  
Analytical and Bioanalytical Chemistry Journal (2005) 383: 1052-1059  
The electronic resource number DOI: 10.1007/s00216-005-0049-y
2. Antimony speciation in soil samples along two Austrian motorways by HPLC-ID-ICP-MS.  
**Sameer Amereih**, Thomas Meisel, Robert Scholger, Wolfhard Wegscheider  
Journal of Environmental Monitoring (2005) 7: 1200-1206  
The electronic resource number DOI: 10.1039/b510321e
3. Field determination of fluoride in drinking water using a polymeric aluminium complex of 5-(2-carboxyphenylazo)-8-hydroxyquinoline impregnated paper. Zaher Barghouthi and **Sameer Amereih**, International Journal of Environmental Analytical Chemistry. Vol. 93 (No. 5), pp. 565-577.

4. Spectrophotometric determination of fluoride in drinking water using aluminium complexes of triphenylmethane dyes. Zaher Barghouthi, **Sameer Amereih**, Water SA, July 2012, Vol. 38 No. 4, 543-548.
5. Analysis of Macro and Micronutrients in Soils from Palestine Using Ion Exchange Membrane Technology. Zaher Barghouthi, **Sameer Amereih**, Basel Natsheh, Mazen Salman. Open Journal of Soil Science, 2012, 2, PP.44-49.
6. Spectrophotometric Determination of Fluoride in Groundwater Using Resorcin Blue Complexes. Zaher Barghouthi, **Sameer Amereih**, American Journal of Analytical Chemistry, 2012, 3, 651-655.
7. Effect of irrigation with sea water on germination and growth of lentil lens culinaris medic , Basel Natsheh, Zaher Barghouthi, **Sameer Amereih**, Mazen Salman, Journal of Water Resource and Protection, 2012, 4, 307-310.
8. Determination of Inorganic Antimony Species Conversions during Its Speciation Analysis in Soil Using Isotope Dilution Techniques. **Sameer Amereih**, Thomas Meisel, Zaher Barghouthi, Wolfhard Wegscheider. Journal of Analytical Sciences, Methods and Instrumentation, 2013, Vol. 3 No. 2pp. 130-136.
9. Spectrophotometric determination of fluoride in groundwater using complexes of flavonoid chrysin Zaher Barghouthi, **Sameer Amereih** and Saed Khayat, Palestine Technical University Research Journal, 2013, 1(1), 16-20.
10. Colorimetric determination of fluoride in drinking groundwater using a polymeric zirconium complex of 5-(2-carboxyphenylazo)-8-hydroxyquinoline. **Sameer Amereih**, Zaher Barghouthi and Lamees Majjiad. Journal of Advances in Chemistry, 2013, 4(2):460-465.
11. Field method for estimation of fluoride in drinking water by photometric measurement of spot on aluminium quinalizarin reagent paper. Zaher Barghouthi, **Sameer Amereih**, Arabian Journal of Chemistry, 2013. on line: <http://dx.doi.org/10.1016/j.arabjc.2013.11.024>
12. Detection and Quantification of Adulteration in Olive Oil using a UV-Spectrophotometric Method. **Sameer Amereih**, Zaher Barghouthi, Oswa Marowan. Palestine Technical University Research Journal, 20 02/2014; 2(1):14-19.
13. 4, 5-Dinitrochrysin Complexes: Slovatochromism and Fluoride Determination in Palestinian's Groundwater Samples. Zaher Barghouthi, **Sameer Amereih** Journal of the Arab American University 06/2014; 1(1):16 - 32.
14. Polymeric Complexes of Cobalt, Iron, and Uranium with 5-(2- Carboxyphenylazo)-8-Hydroxyquinoline (LH2) Ligand and the Possibility of Fluoride Determination in Water, Zaher Barghouthi, **Sameer Amereih**, Ismail Warad Journal of Advances in Chemistry **2016**, Vol 12, No 5

15. N-[(1E)-(3-Bromophenyl)methylene]-N-(2-piperidin-1-ylethyl)amine  
 Ismail Warad<sup>1,\*</sup>, Yasmin Al-Demeri<sup>1</sup>, Mohammed Al-Nuri<sup>1</sup>, Mohammed Suleiman<sup>1</sup>, Anas Al-Ali<sup>1</sup> and **Sameer Amereih**  
 Molbank **2016**, M903; doi:10.3390/M903www.mdpi.com/journal/molbank
16. TD-DFT and DFT studies on geometry, spectral, thermal and NMR of N'-(di(pyridin-2-yl)methylene)-2-hydroxybenzohydrazide  
 Ala'a Janim<sup>1</sup>, Mohammed Al-Nuri<sup>1</sup>, Abdallah Bani Odeh<sup>2</sup>, Sameer A. Barghouthi,  
 Mohammad Ayesh<sup>2</sup>, Anas Al Ali<sup>1</sup>, **Sameer Amereih**, Ismail Warad  
 J. Mater. Environ. Sci. 7 (9) (2016) 3447-3453 4

## Oral presentations in international conferences

Distribution of antimony and its inorganic species along two Austrian motorways by HPLC-ID-ICP-MS

**S. Amereih**, T. Meisel, W. Wegscheider.

11. Österreichische Chemietage 2005. 19-22 September 2005. **Leoben - Austria.**

Speciation analysis of inorganic antimony in soil sample including compensating for species transformation during analysis: from extraction to detection.

**S. Amereih**, T. Meisel, W. Wegscheider.

1st International Workshop on Antimony in the Environment. 16-19 May 2005. **Heidelberg - Germany.**

Interconversion of inorganic antimony species during its speciation analysis in soil samples.

**S. Amereih**, T. Meisel, E. Kahr, W. Wegscheider.

Colloquium Analytische Atomspektroskopie CANAS 2005. 6-10 March 2005. **Freiberg - Germany.**

Speciation analysis of antimony(III) and antimony(V) in environmental samples by high-performance liquid chromatography-isotope dilution inductively coupled plasma mass spectrometry.

**S. Amereih**, E. Kahr, T. Meisel, W. Wegscheider.

3rd International Conference on Trace Element Speciation in Biomedical, Nutritional and Environmental Sciences. 10-13 May 2004. **Munich - Germany.**

Determination of metal species transformation during speciation analysis

**S. Amereih**, T. Meisel, W. Wegscheider.

11th Eurasia Conference on Chemical sciences. 6-10 October 2010

**The Dead Sea – Jordan.**

Assessment of acidity and peroxide of olive oil samples in the West Bank throughout period 2002-2010

Omayya Hammad, Abd-Alrahman Tebawee, Basel Alnatsha, Mazen Salman and **Sameer Amereih**

The First International Conference on Olive In Palestine: Status and Challenges  
 8-10 February 2011, **Tulkarm- Palestine**

Spectrophotometric Determination of Fluoride in Drinking Water Using Polymeric Aluminium Complexes

**Sameer Amereih** and Zaher Barghouthi

6th Black Sea Basin Conference On Analytical Chemistry (6BBCAC)

10-14 September 2013, **Trabzon-Turkey**

Detection of adulteration of olive oil using other vegetable oils using UV spectrophotometric method

**Sameer Amereih**, Zaher Barghouthi, Auswa Marwan

The Second International Conference on Olive in Palestine (SICOP), 25-26 November 2013

**Tulkarm- Palestine**

## **Posters in international conferences**

Antimonspezies-Analytik[Sb(III) and Sb(V)] in Umweltproben mit Hilfe der HPLC-ID-ICP-MS Kopplungstechnik

**S. Amereih**, E. Kahr, W. Wegscheider

19. ICP-MS Anwendertreffen. 1-3 September 2003. **Zurich - Switzerland.**

Speciation analysis of antimony (III) and antimony (V) in soil samples - Influence of different extraction parameters to the extractions efficiency of antimony (III) and antimony (V)

E. Kahr, **S. Amereih**, W. Wegscheider

Trends in Sample Preparation 2004, 4-7 July 2004. **Seggau - Castle/Styria - Austria**

Antimonspeziesanalytik - Vergleich von unterschiedlichen Extraktionsverfahren für die Bestimmung von Gesamtantimon und dessen Spezies in Bodenproben.

E. Kahr, **S. Amereih**, W. Wegscheider

18. ICP-MS Anwendertreffen, 6-9 October 2003. **Berlin - Germany.**

Influence of extraction on Antimony species distribution in soil.

**S. Amereih**, E. Kahr, W. Wegscheider

5<sup>th</sup> International Symposium on Speciation of Elements in Biological, Environmental and Toxicological Sciences, 12-17 September 2003. **Almuñécar - Spain.**

## **Theses**

December, 2005: PhD Thesis: Antimony speciation analysis in environmental samples using isotope dilution techniques

Leoben-Austria

June, 1997: M.Sc. Thesis: Spectrophotometric determinations of anionic surfactants in water samples.

Nablus - Palestine.

## **Reviewer in International Journals**

- Arabian Journal of Chemistry, Sudia Arabia.
- Journal of Advances in Chemistry, Untited State of America.
- Talanta

## **Member of Scientific or organizing committees of Conferences**

- Member of Scientific research council- Palestine Technical University - Kadoorie
- The First International Conference on Olive In Palestine: Status and Challenges  
8-10 February 2011, **Tulkarm- Palestine**
- Water Crisis And The Prospects For Agricultural Development In Palestine  
21-22 May 2012, **Tulkarm- Palestine**
- Prospects for agricultural development in Al-Bokayaa plain  
22 May 2013, **Tammoun- Palestine.**
- The International Arab Conference on Quality Assurance in Higher Education (IACQA)  
4-5 May 2012, **Gulf University- Bahrain**

## **Languages**

Arabic (1<sup>st</sup>), English (Very Good), German (good)

## **Computer skills**

Microsoft office WinWord, Excel and Power point, other programs such as Endnote for writing scientific articles and validate program for static.

## **References**

Professor Dr. Kevin Francesconi  
Head of Analytical Chemistry Department  
Karl-Franzens-Graz University.  
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