

# CURRICULUM VITAE

2019

**Name:** Dr. Ibrahim Diab Abu Shqair  
**Date of Birth:** 01/10/1969  
**Marital Status:** Married  
**Address:** An - Najah National University. Nablus - Palestine.  
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## EDUCATION:

**1998- 2006** Ph.D in Analytical Chemistry.  
An-Najah National University, Nablus, Palestine.  
"Determination of some fluoroquinolone antibacterials with DNA modified electrodes and their oxidation by potassium hexacyano ferrate (III)".

**1995-1998** Master Of Chemistry  
An-Najah National University, Nablus, Palestine.  
"Effect of acidity on the removal of copper and zinc by decaying leaves".

**1991-1995** Bachelor Of Chemistry  
An-Najah National University, Nablus, Palestine.

## APPOINTMENTS:

**2006-Presnt** An-Najah National University  
Assistant Professor

**2001-2006:** An-Najah National University  
Teacher

**1997-2001:** An-Najah National University  
Teaching Assistant

**TEACHING EXPERIENCE:**

- 1- General Chemistry (1), 10231101
- 2- General Chemistry (2), 10231102
- 3- Practical General Chemistry (1), 10231107
- 4- Practical General Chemistry (2), 10231108
- 5- Analytical Chemistry, 10231211
- 6- Practical Analytical Chemistry, 10231215
- 7- Analytical Chemistry for Health Science, 10231213
- 8- Analytical Chemistry Lab for Health Science, 10231214
- 9- Analytical Chemistry for Biological Science, 10231212
- 10- Analytical Chemistry Lab for Biological Science, 10231216
- 11- Instrumental Analytical Chemistry, 10231311
- 12- Practical Instrumental Analysis, 10231315
- 13- Advanced Analytical Chemistry, 10231411
- 14- Special Topics in Analytical Chemistry, 10231481
- 15- Advanced Instrumental Analysis, 423511 (M.Sc.)
- 16- Environmental Chemistry, 423512 (M.Sc.)
- 17- Electroanalytical Chemistry, 423611 (Ph.D)

**RESEARCH INTERESTS:**

1. Sensors
2. Drugs
3. Environmental pollution
4. Chemical analysis (Electrochemical , Spectroscopic and Chromatographic methods of analysis)

**RESEARCH SKILLS:**

Ability to perform chemical analysis by using GF-FAAS, FAAS, HPLC, IR, Karl Fischer, voltammetry and spectrometry.

Computer and software: Windows, Excel, WinWord, Dos, Graphics.

### **SUPERVISION (MASTER STUDENTS):**

1. "Synthesis of Swellable Functionalized Polymer Microspheres and Study of their Selective Optical Sensing Properties". Hanin Rafiq Khalid Qasim, 2010.
2. "Adsorption of some Fluoroquinolones on Selected Adsorbents". Areej "Mohammed Ghazi" Hattab, 2010.
3. "Spectrophotometric determination of some metal ions via complex formation with carboxylated tris(2-aminoethyl)amine chelating agent". Julnar Adnan Ibrahim Masharqah, 2014.
4. "Phytofiltration of Chromium (Cr) and Manganese (Mn) from Polluted Waters Using *Luffa Cylindrica*". Ayat Tawfeeq Abu Sharbeh, 2015.
5. "Determination of Some Proteins by the Interaction with Tris-Aminocarboxylate Metal Complexes". Mervat Abu-Zeinah, 2016.
6. "The Adsorption of Lead Using Olive Cake Ash". Maisa Sowady, 2018.

### **THESIS EXAMINATION:**

1. "Adsorption and desorption characteristics of endosulfan pesticide from three soils in Palestine". Karbola' Jaradat. Chemistry, 2009.
2. "Removal of heavy metal ions by polymer bound tris-amine microspheres". Lena Imad Odeh. Applied and Industrial Technology, 2012.
3. "Antioxidant activity and Phenolic content of various date palms (*Phoenix dactylifera* L.) fruits from Palestinian territories". Lara Obeyat. Applied and Industrial Technology, 2013.
4. "Recycling CdS Thin Film Solar Cells Prepared by Chemical Bath Deposition". Suhaib Al Yamani. Chemistry, 2014.
5. "Influence of Waste Water Used in Irrigation on the Physical Properties of Olive Oil in Palestine". Lena Hassan Odeh. Physics, 2015.
6. "Synthesis of 1-(Pyrrol-2-yl) imine modified silica as a new sorbent for the removal of hexavalent chromium from water". Ghadeer Hanbali, 2016.
7. "Extraction of Drugs Residuals from Aqueous Solution Using Three Types of Adsorbents". Yasmin Thaher, 2018.

## **WORKSHOPS AND CONFERENCES:**

- 1.** The First MEDRC Palestinian Water Research Alumni Forum, Water and Sustainable Development. An – Najah National University, Palestine. December 11<sup>th</sup>, 2018.
- 2.** The Third Winter School of High Energy Physics in Palestine (WISHEPP III). An – Najah National University, Palestine. November 10<sup>th</sup>, 2018.
- 3.** A workshop about Efficient Ecosystems for Industry – Based Learning Models. An – Najah National University, Palestine. September 8<sup>th</sup>, 2018.
- 4.** A workshop about the role of universities in quality and accreditation in higher education. An – Najah National University, Palestine. June 12<sup>th</sup>, 2017.
- 5.** The Second Palestinian International Graduate Conference on Natural, Medical and Health Sciences and Humanities (SPIGCNMHSH 2017). An – Najah National University, Nablus, Palestine. April 20, 2017.
- 6.** 1<sup>st</sup> Winter School in High Energy Physics in Palestine (WISHEPP). An – Najah National University, Nablus, Palestine. November 13 – 17<sup>th</sup>, 2016.
- 7.** 5<sup>th</sup> Conference on New Trends in Higher Education. An – Najah National University, Palestine. July 26<sup>th</sup>, 2016.
- 8.** Strengthening University-Enterprise Linkages in Palestine Conference. An – Najah National University, Palestine. June 2<sup>nd</sup>, 2016.
- 9.** A workshop about Interactive PowerPoint. An – Najah National University, Palestine. April 21, 2016.
- 10.** The Second Palestinian International Conference on Material Science and Nanotechnology (PICNM2016). An – Najah National University, Palestine. March 23 – 24<sup>th</sup>, 2016.
- 11.** Computational Methods in Science and Engineering. An – Najah National University, Palestine. March 14, 2015.
- 12.** The Eighth Palestinian International Chemistry Conference. An – Najah National University, Palestine. April 21 – 22, 2015.
- 13.** A workshop about Problem Based Learning. An – Najah National University, Palestine. April 2<sup>nd</sup>, 2015.
- 14.** A workshop about Interactive PowerPoint. An – Najah National University, Palestine. January 14<sup>th</sup>, 2015.
- 15.** 3<sup>ed</sup> Conference on New Trends in Learning – Community Based Learning. An – Najah National University, Palestine. May 30 – 31, 2014.

16. A workshop about Intended Learning Outcomes, ILOs. An – Najah National University, Palestine. February 2<sup>nd</sup>, 2014.
17. Symposia on Excellence in Learning and Teaching in Higher Education. An – Najah National University, Palestine. May 22, 2013.
18. The 7<sup>th</sup> Palestinian International Chemistry Conference. Birzeit University, Palestine. March 23 – 24<sup>th</sup>, 2013.
19. The 5<sup>th</sup> Palestinian International Chemistry Conference, "Chemistry and sustainable development". June 1<sup>st</sup> – 2<sup>nd</sup>, 2011.
20. A workshop about "Ozone Depleting Substances", Environmental Quality Authority. Ramallah, Palestine. May 24<sup>th</sup>, 2011.
21. International Graduate Conference on Science, Humanities and Engineering 2011. An – Najah National University, Nablus, Palestine. May 4 – 5<sup>th</sup>, 2011.
22. EMUNI Day; "Universities and Communities: One Challenge and Multiple Horizons". An Najah National University, Nablus, Palestine. April 20<sup>th</sup>, 2011.
23. "Management, training and waste – disposal towards a greener environment". Al – Quds University, Abu Dis/Jerusalem. February 12<sup>th</sup>, 2011.
24. Second conference on Biotechnology Research and Application In Palestine. An Najah National University, Palestine. September 26 – 27<sup>th</sup>, 2010.
25. A workshop about intended learning outcomes, ILOs. An – Najah National University, Palestine. April 5<sup>th</sup>, 2010.
26. Palestinian Conference on Modern Trends in Mathematics and Physics II. An – Najah National University, Palestine. August 2<sup>nd</sup>, 2010.
27. A workshop about the EU 7<sup>th</sup> Framework Program, FP7. An – Najah National University, Palestine. December 9<sup>th</sup>, 2009.
28. Several workshops about e – learning, using SCORM standards. An – Najah National University, Palestine 2009.
29. A workshop about developing scientific research in Palestine: Future aspects. An – Najah National University, Palestine. January 16<sup>th</sup>, 2008.

## **COMMITTEE MEMBERSHIP:**

1. Member of coordination committee for analytical and general chemistry courses.
2. Member of committee for quality assurance of chemistry department.
3. Member of self-evaluation committee of chemistry program.
4. Member of the organizing committee for the Fifth Palestinian International Chemistry Conference (2011).
5. Member of the committee of the teaching plan for chemistry program.
6. Member of the organizing committee for the Eighth Palestinian International Chemistry Conference (2015).
7. Member of the comprehensive exam committee for master students (Chemistry Program) (2015).
8. Member of the poster evaluation committee of the second Palestinian International Conference on Material Science and Nanotechnology (PICNM2016).
9. Member of the committee of employment in the chemistry department at An-Najah National University (2016 – 2017).
10. Member of the committee of organizing research labs at chemistry department at An-Najah National University (2016 – 2017).
11. Member of the social activities committee at chemistry department at An-Najah National University (2016 – 2017).
12. Member of the conference committee of the Second Palestinian International Graduate Conference on Natural, Medical and Health Sciences and Humanities (SPIGCMHSH 2017).
13. Member of the Council of Faculty of Science at An-Najah National University (2016 – 2017).
14. Member of the social activities committee of the Faculty of Science at An-Najah National University (2017 – 2018).
15. Member of the social activities committee of the chemistry department at An-Najah National University (2017 – 2018).
16. Member of the Graduate Studies Committee – Chemistry Department at An-Najah National University (2018 – 2019).
17. Head of the Scientific (Seminars) Committee of the Faculty of Science at An-Najah National University (2018 – 2019).

## **FUNDS:**

Research visit to Ecole Normale Superior. Paris, France. September - December 2000. Funded by CRS.

## **REFERENCES:**

1. Professor Radi Salim  
Department of Chemistry  
An-Najah National University  
Nablus, Palestine
2. Professor M. M. Al Subu  
Department of Chemistry  
An-Najah National University  
Nablus, Palestine

## **PUBLICATIONS:**

1. "Removal of Dissolved Copper from Polluted Water Using Plant Leaves: I. Effect of Acidity and Plant Species". M.M. Al-Subu, R. Salim, I. Abu-Shqair and K.M. Swaileh. *Rev. Int. Contam. Ambient.* 17(2), 91-96, 2001.
2. "Removal of Zinc from Aqueous Solutions by Dry Plant Leaves". R. Salim, M. Al-Subu, I. Abu-Shqair and H. Braik. *TransIChem*, 81, Part B, 236-242, 2003.
3. "Spectroscopic Studies on the Binding of Some Fluoroquinolones with DNA". Ibrahim Abu-Shqair, Nizam Diab, Radi Salim, Mohammad Al-Subu. *Asian Journal of Applied Sciences*, Volume 01– Issue 05, 179 – 184, 2013.
4. "Kinetics of Oxidation of Some Fluoroquinolones by Hexacyanoferrate (III) in Alkaline Medium". Nizam Diab, Ibrahim Abu-Shqair, Mohammad Al-Subu, Radi Salim. *International Journal of Chemistry*, Vol.34, Issue.2 1388 – 1394, 2013.
5. "The Behavior of Ciprofloxacin at a DNA Modified Glassy Carbon Electrodes". Nizam Diab, Ibrahim Abu-Shqair, Radi Salim and Mohammad Al-Subu. *Int. J. Electrochem. Sci.*, 9, 1771 – 1783, 2014.

6. "Polyvinylbenzyl Tris-Aminodicarboxylate Microspheres for the Optical Sensing of  $\text{Cu}^{2+}$  Ions". Ziad M. Shakhsher, Ibrahim Abu Shqair, Hanin R. Qasim and Imad Odeh. *American Journal of Analytical Chemistry*, 5, 122-127, 2014.
7. "Spectrophotometric Determination of  $\text{Cu}^{2+}$  Metal Ions via Complex Formation with Carboxylated Tris (2-aminoethyl)amine". Ibrahim Abu Shqair, Ziad M. Shakhshir, Julnar Masharqah, Imad Odeh, Waheed J. Jondi. *Journal of Advances in Chemistry*, Vol. 12, No. 3, 4237 – 4246, 2016