

Ahmad A. Abu-Obaid

Department of Chemistry, An-Najah National University, PO. Box 7, Nablus, West Bank, Palestine

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Research Interests

- Atomic Absorption Spectrophotometry
- UV-Visible Spectrophotometer
- Environmental Chemistry, Surfactant
- Soil analysis
- Phytoremediation
- Crystal Structure

Education

Ph.D. in Physical - Analytical Chemistry **2010**

An-Najah National University, Nablus, Palestine

- Thesis: The Influence of Surfactants on the Adsorption of Heavy Metal Ions Using Inorganic Legands in Selected Soil Samples in Palestine
- Award: Board of Directors of Palestinian Universities Support Grant

M.Sc. in Theoretical Physical Chemistry **1984**

Middle East Technical University, Ankara, Turkey

- Thesis: Liquid Bridges between Spheres
- Grade: EXCELLENT

B.Sc. in General Chemistry **1979**

Alexandria University, Alexandria, Egypt

- Grade: V. GOOD

Employment History

An-Najah National University, Nablus, Palestine **41 years**

- **Associate Professor**
Analytical Chemistry **2012-present**
- **Assistant Professor**
Physical Chemistry I, II **2010-present**
- **Lecturer**
Physical Pharmacy **1995-present**
- **Instructor**
General Chemistry I, II **1979-present**
Physical Chemistry Lab I, II **1979-present**
Analytical Chemistry Lab I, II **1979-present**
General Chemistry Lab I, II **1979-present**

North Centre Association for Environment and Development, Tulkarem, Palestine **10 years**

- **Research advisor** **2010-present**

Skills & Languages

- **Coding and Programming:** FORTRAN 4, Excel, MC simulation
- **Languages:** English (good), Arabic (native), Turkish (beginner)

M.Sc. Supervision (8 Students) & Examination (6 Students)

- "Nadeem Bassalat" (Adsorption and Treatment of Organic Phenolic Contaminant in Wastewater Using Activated Carbon from Cypress Products)
- "Ola Ahmad Ali Mohammad" (Determination and Assessment of Heavy Metals in Tobacco Sold and Smoked in Palestinian Market)
- "Sara Mohammad Ahmad Hassan" (Description of Parameters used for Heavy Metals Transport Associated with Fertilizer usage in Palestine Soil)
- "Shatha Mohammed Salah AbuHasan" (Kinetic Determination of Bromate in Bread)
- "Ahmad Deeb Nemer Naem" (Functionalized SiO₂ with S-Donor Thiophene For Chromium (VI) Adsorption)
- "Naghham Tahseen Mohammed Taha" (Functionalized C, N- bipyrazole receptor grafted onto silica surface for As and Cu adsorption and its anti-bacterial activity)
- "Mohammad Izzat" (Advanced Formulation of Bio-Based Resin for Industrial Applications)
- "Munjeda Tahseen Salman" (Study the effect of reeds tissues on the adsorption of heavy metals and bacteria from sewage water)
- "Abdullah Mahameed" (Comparative Study between Commercial Charcoal and Asphodelus ramosus Tuber Derived Activated Carbons for Adsorption of Heavy metals from Aqueous Solution)
- "Sanaa Saqer" (Biobased Conducting Polymer for use in Tissue Engineering)
- "Rawan Ateeq" (Estimation of Urginea Maritima derived activated carbons for adsorption of heavy metals from aqueous solution).
- "Bahia Fared Mousa Abu Leil" (Synthesize and Characterization of Cellulose Amine-Activated ASH Composite and Application in Waste Wate Purification)

Conferences Participation

- 6th EUROPEAN BIOREMEDIATION CONFERENCE. China, Crete, Greece, Jun **2015**
- The 8th Palestinian International Chemistry Conference (PICC2015), Palestine, Apr **2015**
- 2nd International Conference on global Trend in Pure and Applied Chemistry, Hong Kong, China, Oct **2014**
- The First Global Conference of Palestinian Academics in the diaspora, Nablus, Palestine, Apr **2013**
- Challenges and experiences in the field of reuse of treated wastewater in Palestine, Institute of Water and Environmental Studies, An-Najah National University, Palestine, Apr **2013**
- VII Palestinian International Chemistry Conference, Birzeit University, Palestine, Mar **2013**
- Renewable Energy and Materials Science, Deanship of Scientific Research at An-Najah National University, Mar **2013**
- Symposium on Monte-Carlo Simulations (MC): Application to Nanomagnetic Particles Systems, An-Najah National University, Palestine, **2012**
- International Graduate Conference of Science and Engineering 2011 (IGCSHE2011), Nablus, Palestine, May **2011**
- The 5th Palestine International Chemistry Conference, Chemistry and Sustainable Development in Celebration of IYC 2011, Palestine, **2011**

Publications

- “Abdalahadi Deghles, Othman Hamed, Mai Azar, Bahia Abu Lail, Khalil Azzaoui, **Ahmad Abu Obied**, and Shehdeh Jodeh”. (Cellulose with Bidentate Chelating Functionality: An Adsorbent for Metal Ions from Wastewater). *BioResources* 14(3), 6247-6266. **2019**
- “Othman Hamed, Bahia Abu Lail, Abdalahadi Deghles, Basima Qasem, Khalil Azzaoui, **Ahmad Abu Obied**, Manuel Algarra, and Shehdeh Jodeh”. (Synthesis of a cross-linked cellulose-based amine polymer and its application in wastewater purification). *Environmental Science and Pollution Research* pp 1–12, **2019**
- “**Ahmad Abu Obaid**, Shehdeh Jodeh, Abdalahadi Deghles, Nagham Taha, Mutasim AL-Masri, Radi Smail”. (Functionalized C, N-Bipyrazole Receptor Grafted onto Silica Surface for Arsenic Adsorption and Its Antibacterial Activity) *American Journal of Analytical Chemistry*, Vol. 10, **2019**
- “Abdalahadi Deghles, **Ahmad Abu-Obaid**, Raed Alkowni, MunjedaTahseen Salman”. (Adsorption of Heavy Metals by Reed (*Phragmites australis*) as a Potential Clean Water Technology). *Journal of Environment and Earth Science* Vol.8, No.12, **2018**
- “Abdalahadi Deghles, **Ahmad Abu-Obaid**, Raed Alkowni, MunjedaTahseen Salman”. (Adsorption of Heavy Metals by Reed (*Phragmites australis*) as a Potential Clean Water Technology). *Journal of Environment and Earth Science* Vol.8, No.12, **2018**
- “Murad Alhousani, **Ahmad Abu-Obaid**, Husameddin Isaid, Ayman Salah, Jamil Harb”. (Chromium ion Uptaken from soil through Phytoremediation using *Zea mays* and *Nicotiana tabacum* plants) *An-Najah University Journal for Research - A (Natural Sciences)*. Vol. 31(1), **2017**
- “S. Jodeh, Ahmad Naem, **A. Abu Obaid**, R. Salghi, H. Lgaz, D. Jodeh, S. Radi, S. Tighadouini”. (Using Thiophene Supported on SiO₂ for Removal Cr (VI) from Water Receptor). *Appl. J. Envir. En. Sci.* 2 N°2(2016) 78-94
- “Hussam Yahya, **Ahmad Abu-Obaid**, Ashraf Sawafta, Dyala Abu-Aladel, Ahmad I. Asadi, Rami Shariah, Tasneem Alayed, Ismail Warad”. (Synthesis, identification, thermal analysis, computational, and antibacterial studies of Z-N'- (5 bromothiophen-2-yl) methylene) nicotinohydrazide. *Mor. J. Chem.* 4N°1 (2016) 259-269259
- “E. Azzouyaha, **Ahmad Abu-Obaid**, M. El Hajji, L. Bazzi, M. Belkhaouda, A. Lamiri1, R. Salghi, S. Jodeh and M. Essahli”. (Plants extract as green corrosion inhibitors: The case of eugenol from Clove). *Der Pharma Chemica*, **2016**, 8(2):467-475
- “**Ahmad Abu-Obaid**, Bassem F. Shraydeh, Shatha M. S. Abu Hasan”. (Determination and degradation of potassium bromated content in dough and bread samples due to the presence of metals). *American Journal of Analytical Chemistry*, **2016**, 7, 487-493
- “**Ahmad Abu-Obaid**, Shehde Jodeh, Ola Ahmad, R. Salghi, I. Warad”. (Determination and Assessment of Heavy Metals in Tobacco Sold and Smoked in Palestinian Market). *Int J Chem.* 01/2015; Vol 4(3) July-Sept **2015**
- “**Ahmad. Abu-Obaid**, A.I. Asadi, Afaf. Alruwaili, Heba. Atieh, Sh. Khlaif, T. Ben Hadda, Smaail Radi, Belkheir Hammouti, Ismail Warad” (5, 5-Dimethyl-2, 2-di (pyridin-2-yl), hexahydropyrimidine). *Molbank* **2015**, M838; doi: 10.3390/M838
- “Shehdeh Jodeh*, Rasmi Odeh, Maather Sawalha, **Ahmad Abu Obaid**”. (Adsorption of Lead and Zinc from Used Lubricant Oil Using Agricultural Soil: Equilibrium, kinetic and thermodynamic studies). *J. Mater. Environ. Sci.* 6 (2), (2015) 580-591
- “S. Jodeh, O. Hamed , M. Mohamed , T. Ben Hadda , B. Hammouti , R. Salghi , S. Radi , **A. Abu Obaid** And I. Warad”, (Removal of Phenol from Olive Industry Liquid Waste Using Polyitaconic Acid). *Asian Journal of Chemistry*; Vol. 26. No. 1 (2014), S15-S22
- “S. Jodeh, N. Basalat, **A. Abu Obaid**, D. Bouknana, B. Hammouti, T. B. Hadda, W. Jodeh and I. Warad”. (Adsorption of some organic phenolic compounds using activated carbon from cypress products). *Journal of Chemical and Pharmaceutical Research*, **2014**, 6(2):713-723

- “Shehdeh Jodeh, Osamah Khalaf, **Ahmad Abu Obaid**, Belkheir Hammouti, Taibi B. Hadda, Wade Jodeh, Marwan Haddad, Ismail Warad”. (Adsorption and Kinetics Study of Abamectin and Imidacloprid in Greenhouse Soil in Palestine). *J. Mater. Environ. Sci.* 5 (2) (2014) 571-580. 01/2014; 2(5):571-580.
- “Hany W. Darwish, Assem Barakat, Ayman Nafady, Mohammed Suleiman, Mousa Al-Noaimi , Belkheir Hammouti , Smaail Radi , Taibi Ben Hadda , **Ahmad Abu-Obaid** , Mohammad S. Mubarak and Ismail Warad”. (Design, Synthesis, Characterization of Novel Ruthenium (II) Catalysts: Highly Efficient and Selective Hydrogenation of Cinnamaldehyde to (E)-3-Phenylprop-2-en-1-ol). *Molecules* 2014, 19, 5965-5980; doi: 10-3390/molecules19055965
- “Ismail Warad, Mohammad Azam, Mohammad Asad, Saud I. Al-Resayes, Ahmad I. Asadi, W.D. Wanrosli, Assem Barakat, Shehdeh Jodeh, **Ahmed Abu-Obid**, Mousa Al-Noaimi”. (Cis- & trans-isomerism in [Cl₂Ru (dppb) N-N] complexes: Synthesis, structural characterization and X-ray crystal structure of dichloromethane solvated cis-diaminebis (diphenylphosphinobutane)- ruthenium (II) complex). *Journal of Molecular Structure* 1076 (2014)724–729
- “Othman A. Hamed, Shehdeh Jodeh, Nisreen Al-Hajj, Emad M. Hamed, **Ahmed Abo-Obeid**, Yusra Fouad”. (Cellulose acetate from biomass waste of olive industry). *Journal of Wood Science*, V61, 45–52 (2015)
- I. Warad, A.F. Eftaiha, M.A. Al-Nuri, A.I. Husein, M. Assal, **A. Abu-Obaid**, N. Al-Zaqri, T.B. Hadda, B. Hammouti”. (Metal ions as Antitumor Complexes-Review). *Journal of Materials and Environmental Science.* 01/2013; 4(4):542-557
- “Shehdeh Jodeh, **Ahmad A. Abu-Obaid**, Radi Salim”. (Understanding Complexation and Desorption of Copper Ion in Three Contaminated Soil Types in Palestine Using Series of Different Surfactants and Ligands). *Jordan Journal of Chemistry Vol. 7 No.2, 2012, pp. 221-230*
- “Shehdeh Jodeh and **Ahmad A. Abu-Obaid**”. (The Kinetic Study of Adsorption of Copper Metal Ions in Selected Contaminated Soil Samples in Palestine). *Journal of Chemistry and Chemical Engineering*, 5(2011) 873-879
- “B.F. Shraydeh, M.A. Abu Eid, N. A. Zatar, **A. Abu-Obeid** and M. Khamis, K. Kanan”. (A Sensitive Catalytic Method for the Determination of Copper by Its Catalytic Effect on the Potassium Bromate Indigo Carmine Reaction). *Instrumentation Science & Technology* 22(4), 355-363, 2006
- “Nidal A. Zatar, Ali Z. Abu-Zuhri, Mohammad A. Al-Nuri, Foad M. Mahmoud and **Ahmad A. Abu-Obaid**”, (Simultaneous Spectrophotometric Determination of IRON(II) and IRON(III) in Mixtures Using DI-2-Pyridyl Ketone Benzoylhydrazine). *Spectroscopy Letters* 22(9), 1203-1214, 1989
- “E. Bayramli. **A. Abou-Obeid** and T. G. M. Van De Ven”. (Liquid Bridge between Spheres in Gravitational Field). *Journal of colloid and Interface Science Vol. 116 No 2; 490-502, 1987*