

CURRICULUM VITAE



PERSONAL DETAILS

Name: **Hijazi Abu Ali**

D.O.B: 03/11/1960

Marital Status: Married

Children: 6

Home Address: Al-Walaja, Beit Jala, West Bank, Palestine

Work Address: Chemistry Department, Birzeit University, Birzeit, P. O. Box 14
Ramallah, West Bank, Palestine

Tel: 00970 2 298 2146 (Work); 00970 2 2810816 (Home)

Mobile: 00970 547 307 900; 00970 595187694

Fax: 00970 2 298 2084

E-mail address: habuali1@yahoo.com; habuali@birzeit.edu

EDUCATION

1998-2003 Ph.D. Medicinal Chemistry

Institute for Drug Research, School of Pharmacy, Faculty of Medicine, Hebrew University, Jerusalem

Summa Cum Laude (High Distinction)

Under supervision of Prof. Morris Srebnik

Thesis Title:

SYNTHESIS, PROPERTIES and CHARACTERIZATION of NOVEL ORGANOBORONIC COMPOUNDS and EVALUATION of THEIR BIOLOGICAL ACTIVITY

1996-1998 MSc. Inorganic Chemistry

University of Bergen, Norway

(Distinction)

Under supervision of Prof. John Songstad

Thesis Title:

SYNTHESIS and CHARACTERIZATION of PHOSPHOROUS YLIDE COMPLEXES of Pt(II) and Ag(I). ACIDITY STUDY of ONIUM SALTS

1980-84 BSc. Chemistry

Birzeit University, West Bank, Palestine

WORK EXPERIENCE

1984-2005: Lab Technician, Chemistry Department, Birzeit University

2005-2014: Assistant Professor, Chemistry Department, Birzeit University

2014- Until now: Associate Professor, Chemistry Department, Birzeit University

Teaching:

Master Thesis of Applied Chemistry Chem (860), Master Seminar in Applied Chemistry Chem (830), Master Seminar in Applied Chemistry Chem (831), Advanced Inorganic Chemistry (634), Scientific research methods for master students (611), Independent Study Chem 437, Seminar Chem (411), Inorganic Chem. (333), Inorganic Chem. (434), Inorganic Chem. Lab (436), Spectroscopy (339), Analytical Chem. (234) for Science Students and Pharmacy Students, General Chem. (141) for Science Students, General Chem. (141) for Pharmacy Students, General Chem. (132) Science Students, General Chem. (132) for Pharmacy Students, General Science (GENS132), General Chem. for Engineering students (143), General Chem. (133) for Nursing and Nutrition Students, and General Chem. Labs (111, 112, 113, 143).

All of my work experiences have involved working within a team-based culture. This involved planning, organization, coordination and commitment e.g., in retail, this ensured a fair distribution of tasks and effective communication amongst all staff members.

Administration Experience

2013-Until now: Chairperson and Director of the Master of Applied Chemistry Program, Chemistry Department, Birzeit University.

2013-2015: Birzeit University Academic Council

Committees:

Sitting on and sharing many committees, participating in various councils and attracting research funding.

Reviewing many peer review papers in American and European journals in addition to editing books and chapters in books.

SCHOLARSHIPS

1996-98 The State Educational Loan Fund/Lanekassen Scholarship in Norway for the M.Sc. Studies.

AWARDS & PRIZES

2002 Super Pharm Prize of Excellence, School of Pharmacy, Hebrew Univ.

2004 The Kaye Innovation Awards, U.K.

2004 Faculty of Medicine Ph.D. Distinction Prize, Hebrew Univ.

RESEARCH GRANTS

2007-2009: Office of Vice President for Academic Affairs, Birzeit University

2011-2012: Office of Vice President for Academic Affairs, Birzeit University

2012-2013: Office of Vice President for Academic Affairs, Birzeit University

2013-2014: Office of Vice President for Academic Affairs, Birzeit University

2016-2017: Office of Vice President for Academic Affairs, Birzeit University

CONFERENCES

Jan., 1998: National NMR Meeting, Vinstra, NORWAY.

July, 2002: IMEBORON XI, International Meeting on Boron Chemistry, Moscow, Russia.

April, 2008: The Fourth Palestinian Chemistry Conference, Alquds University, Palestine.

Dec., 2012: The first scientific day for Nanoscale Science and Technology in Palestine, Birzeit University, Palestine

March, 2013: The Seventh Palestinian Chemistry Conference, Birzeit University, Palestine.

March, 2014: The Palestinian Conference on Graduate Student Research in Natural and Applied Sciences, Birzeit University, Palestine.

April, 2014: The First Symposium in Applied Chemistry, Chemistry for Innovation and development, Palestine Polytechnic University, Palestine.

August, 2014: 5th EuCheMS Chemistry Congress, Istanbul, Turkey.

March, 2015: 5th International Conference and Exhibition on Pharmaceutics & Novel Drug Delivery Systems, Crown Plaza Hotel, Dubai, UAE.

March, 2016: 2nd United Arab Emirates Conference on Pure and Applied Chemistry, American University of Sharjah, UAE.

June, 2016: 5th Student Innovation Conference (SIC), Hebron, Palestine.

Sept., 2016: 6th EuCheMS Chemistry Congress, Seville, Spain.

Supervision of Master's Thesis in Applied Chemistry:

- 1-** Zinc(II) Complexes Having Different Coordination Modes Controlled by the Drug Furosemide in the Presence of Bioactive Nitrogen. Based Ligands: Synthesis, Structures and Various Biological Applications.); by Ghana Raymoni, *Birzeit University, 2017/2018.*
- 2-** Chemical Studies of Flavonoids Isolated from Palestinian Plants (fenugreek, Catmint...); by Maysaa Rabee, *Birzeit University, 2016/2017.*
- 3-** New Mixed Ligand Zinc(II) Complexes Based on Biologically Active Substituted Acetic Acidthe and Nitrogen-Donor Ligands. Crystal Structure, Synthesis and Biological Applications; by Shayma Kamel, *Birzeit University, 2015/2016.*
- 4-** New mixed ligand cobalt(II/III) complexes based on the drug sodium valproate and bioactive nitrogen-donor ligands. Synthesis, structure and biological properties; by Amani Abu Shamma, *Birzeit University, 2015/2016.*
- 5-** Non-steroidal Metal Carboxylate Drugs i.e. Zn(II), Co(II) Sulindac and Bioactive Nitrogen-Donor Ligands. Synthesis, Characterization and Biological Activity. i.e. anti-bacterial effect, anti-malaria and as metallo-phosphate enzymes; by Asia Shalash, *Birzeit University, 2015.*

- 6- Synthesis, Characterization, and Biological Activity of Novel Mixed Ligand Complexes of Zinc(II) Diclofenac and Indomethacin with Nitrogen Based Ligands; by Bahaa Jebali, *Birzeit University, 2014*.
- 7- Synthesis, Characterization, and Biological Activity of Novel Mixed Ligand Complexes of Zinc(II) Ibuprofen with Nitrogen Based Ligands; by Suhad Omar, *Birzeit University, 2013*.
- 8- Synthesis, Characterization, and Biological Activity of Novel Mixed Ligand Complexes of Zinc(II) Naproxen with Nitrogen Based Ligands; by Hadeel Fares, *Birzeit University, 2012*.
- 9- Synthesis, Characterization, and Biological Activity of Novel Mixed Ligand Complexes of Zinc(II) Valproate with Nitrogen Based Ligands; by Mohand Daraweesh, *Birzeit University, 2012*.

External and Internal Examiner of Master's Thesis:

- 1- Synthesis, Characterization of Mono-Dinuclear Coordination Compound of Nickel, Copper with 2,2'-Bipyrazine Ligand and 2,2'-Dipyridylamine; by *Khaled Abu Sharkh; Al-Quds University, 2017*. (External Examiner).
- 2- The effect of Wastewater Flow on the Groundwater Recharge in Wadi El Samen Catchment, Hebron-Palestine; by *Mohamad Zaareer; Birzeit University, 2017*. (Internal Examiner).
- 3- New mixed ligand cobalt complexes based on the drug sodium valproate and bioactive nitrogen-donor ligands. Synthesis, structure and biological properties; by *Amani Abu Shamma, Birzeit University, 2016*. (Internal Examiner).
- 4- New mixed ligand Zn(II) complexes based on biologically active substituted acetic acid and nitrogen-donor ligands. Synthesis, crystal structure and biological applications; by *Shayma Kamel, Birzeit University, 2016*. (Internal Examiner).
- 5- Reality and Challenges of Water Quality in Palestine: Focus on Regulations and Monitoring of Wastewater Treatment and Reclaimed Water Use; by *Dalia Jaradat; Birzeit University, 2016*. (Internal Examiner).
- 6- The Developmental Level of Pedagogical Content Knowledge for Science Education Students At Birzeit University By Using Training Program: A Case Study; by *Yousef Adeleh, Birzeit University, 2016*. (Internal Examiner).
- 7- Non-steroidal Zn(II) and Co(II) Sulindac Drugs and Bioactive Nitrogen-Donor Ligands: Synthesis, Characterization, Anti-bacterial Effect, Anti-malarial Effect and The Use as Phosphate Hydrolyzing Enzymes; by *Asia Shalash; Birzeit University, 2015*. (Internal Examiner).
- 8- Synthesis, Characterization, and Biological Activity of Novel Mixed Ligand Complexes of Zinc(II) Diclofenac and Indomethacin with Nitrogen Based Ligands. by *Bahaa Jabali; Birzeit University, 2014*. (Internal Examiner).

- 9- Copper(II) Complexes of Anti-inflammatory Drugs with Nitrogen Based Ligands, Characterization, and Biological Activity; by *Mutasem Naseraldeen*; *Birzeit University*, 2014. (Internal Examiner).
- 10- Synthesis, Characterization, and Biological Activity of Novel Mixed Ligand Complexes of Zinc(II) Ibuprofen with Nitrogen Based Ligands; by *Suhad Omer*; *Birzeit University*, 2013. (Internal Examiner).
- 11- Hydrochemistry and Isotopes of the Spring water in Soreq Catchements, Ramallah/ West Bank; by *Hassan Jebreen*, *Birzeit University*, 2014. (Internal Examiner).
- 12- Assessment of Household Hazardous Waste Management In Hebron City; by *Waseem Al-Tamimi*, *Birzeit University*, 2014. (Internal Examiner).
- 13- Plant-Derived Anti-malarial Aagents: *In Vitro* Inhibition of Hemozoin Synthesis by Leaf extracts of *Salvia Palaestina*; by *Suhair Jaber*, *Al-Quds University*, 2013. (External Examiner).
- 14- Design and Synthesis of Pyrimidine-Based Allosteric Inhibitors of Bcr-Abl for Treatment of Leukemia; by *Maha Nasri Awad-Khouri*, *Al-Quds University*, 2013. (External Examiner).
- 15- Synthesis, Characterization, and Biological Activity of Novel Mixed Ligand Complexes of Zinc(II) Valproate with Nitrogen Based Ligands; by *Mohand Daraweesh*, *Birzeit University*, 2012. (Internal Examiner).
- 16- Synthesis, Characterization, and Biological Activity of Novel Mixed Ligand Complexes of Zinc(II) Naproxen with Nitrogen Based Ligands; by *Hadeel Fares*, *Birzeit University*, 2012. (Internal Examiner).
- 17- Platinum(IV)-Fatty Acid Conjugates-I: Potent anti-proliferative and anti-clonogenicity effects of Cisplatin pro-drugs on CML K562 cell line with no correlation to lipophilicity; by *Rami Salem*, *Al-Quds University*, 2011. (External Examiner).
- 18- Computational analysis for the addition reaction of diazoalkanes to alkyne (pentacarbonyl) chromium and the formation of 3H-pyrazole complexes; by *Alaa Jarabeh*, *Birzeit University*, 2011. (Internal Examiner).

RESEARCH INTEREST:

Synthetic chemistry of biologically active compounds:

- 1- Synthesis, characterization and properties of novel biologically active organoboronated compounds.
- 2- Synthesis, characterization and biological activity of novel transition metal complexes based on the biologically active non-steroidal carboxylates and nitrogen based ligands.
- 3- The design and synthesis of new types of inhibitors of matrix metalloproteinases involved in connective tissue disorders. Matrix metalloproteinases are targets for therapeutic inhibitors in many inflammatory, malignant, and degenerative diseases.

- 4- Experiments of *Bis*-(*p*-nitrophenyl) phosphate (BNPP) hydrolysis by the complexes will be performed. In addition, anti-bacterial activities will be scanned to investigate the effect of complexation on their activity against Gram-positive (*S. epidermidis*, *S. aureus*, *E. faecalis*, *M. luteus* and *B. Subtilis*) and Gram-negative (*K. pneumonia*, *E. coli*, *P. Mirabilis* and *P. Aeruginosa*) bacteria using agar well-diffusion method. Comparison in terms of efficiency of the complexes under investigation as anti-malarial drugs will be studied. Study and evaluate the biological activity of the new compounds *in-vitro* and *in-vivo*.

SELECTED PUBLICATIONS

A. Papers

- 1- *Bis*(μ -pyrrolidine *N:N*)bis(dibromoboron), [(Br)₂B(pyrrolidine)₂B(Br)₂].
Abu Ali, H.; Goldberg, I.; Srebnik, M.
Acta Cryst. **2001**, C57, 770.
- 2- Preparation and characterization of various types of boronic acids and esters by addition of *bis*-(pinacolato)diborane(4) to cyclic enones, *trans*-cinnamaldehyde and methyl *trans*-cinnamate.
Abu Ali, H.; Goldberg, I.; Srebnik, M.
Organometallics **2001**, 20, 3962.
- 3- *Tetra*(pyrrolidino)diborane(4), [(C₄H₈N)₂B], as a New Improved Alternative Synthetic Route to *Bis*(pinacolato)diborane(4). Crystal Structures of the Intermediates.
Abu Ali, H.; Goldberg, I.; Srebnik, M.
Eur. J. Inorg. Chem. **2002**, 73.
- 4- Synthesis and characterization of different BC(R₁R₂)B compounds by diazoalkane insertion into B-B bond of *bis*(pinacolato)diborane(4).
Abu Ali, H.; Goldberg, I.; Kaufmann, D.; Burmeister, C.; Srebnik, M.
Organometallics. **2002**, 21, 1870.
- 5- Platinum(0) Catalyzed Diboration of Alkynylboronates and Alkynylphosphonates with *Bis*(pinacolato)diborane(4):
Molecular Structures of
[[Me₄C₂O₂)B(C₆H₅)C=C(P(O)(OC₂H₅)₂)(B(O₂C₂Me₄))] and
[[Me₄C₂O₂)B(C₄H₉)C=C(B(O₂C₂Me₄))₂].
Abu Ali, H.; Al Quntar, A. A.; Goldberg, I.; Srebnik, M.
Organometallics. **2002**, 21, 4533.
- 6- Matrix Metallo-Proteinase (MMP-2), Organoboronate Inhibitors
Abu Ali, H.; Reich, R.; Berkovitz, R.; Srebnik, M.
Arch. Pharm. Pharm. Med. Chem. **2004**, 337, 183.

- 7- 2,4-Diphenyl-1,3-*bis*(4,4,5,5-tetramethyl[1,3,2]dioxaborolan-2-yl)-buta-1*Z*, 3*E*-diene
Shibli, A.; **Abu Ali, H.**; Goldberg, I.; Srebnik, M.
Appl. Organometal. Chem. **2005**, *19*, 171.
- 8- Direct preparation and structure determination of tertiary and secondary amine boranes from primary or secondary amine boranes
Shibli, A.; **Abu Ali, H.**; Goldberg, I.; Srebnik, M.
J. Organometal. Chem. **2005**, *690*, 2180.
- 9- Synthesis, spectral and structural characterization of dinuclear rhodium (II) complexes of the anticonvulsant drug valproate with theophylline and caffeine
Abu Hijleh, A. L.; **Abu Ali, H.**; Emwas, A. H.
J. Organometal. Chem. **2009**, *694*, 3590.
- 10- Synthesis, Crystal Structure, Spectroscopic and Biological Properties of Mixed Ligand Complexes of Zinc(II) Valproate with 1,10-Phenanthroline and 2-Aminomethylpyridine
Abu Ali, H.; Darweesh, M.; Rappocciolo, E.
Polyhedron **2013**, *61*, 235.
- 11- New Mixed Ligand Zinc(II) Complexes Based on the Antiepileptic Drug Sodium Valproate and Bioactive Nitrogen-Donor Ligands. Synthesis, Structure and Biological Properties.
Darweesh, M.; **Abu Ali, H.**; Rappocciolo, E.; Abuhijleh. A. Latif; Akkawi, M.; Jaber, S.; Maloul, S.; Hussein, Y.
E. J. Med. Chem. **2014**, *82*, 152.
- 12- Synthesis, Characterization and Biological Activity of New Mixed Ligand Complexes of Zn(II) Naproxen with Nitrogen Based Ligands
Abu Ali, H.; Fares, H.; Darweesh, M.; Rappocciolo, E.; Akkawi, M.; Jaber, S.
E. J. Med. Chem. **2015**, *89*, 67.
- 13- Synthesis, Characterization and Anti-microbial Activity of New Complexes of Zinc(II) Ibuprofen with Nitrogen Based Ligands.
Abu Ali, H.; Suhad, N. O.; Darweesh, M.; Fares, H.
J. Coordination Chem. **2016**, *69*, No. 6, 1110.
- 14- Synthesis, characterization and biological activity of novel complexes of zinc(II) diclofenac with nitrogen based ligands.
Abu Ali, H.; Jabali, B.
Polyhedron **2016**, *107*, 97–106.
- 15- New Zinc(II) Complexes of the Non-steroidal Anti-inflammatory Drug (Indomethacin) and Various Nitrogen Donor Ligands. Synthesis, Characterization and Biological Activity.
Jabali, B.; **Abu Ali, H.**
Polyhedron **2016**, *117*, 249.
- 16- Dichloro-bis-(pyridine-2-yl-undecyl-amine)zinc(II), $[\text{ZnCl}_2(\text{C}_{16}\text{N}_2\text{H}_{26})_2]$. Synthesis characterization and anti-malarial activity.
Abu Ali, H.; Maloul, S.; Abu Ali, I.; Akkawi M. Jaber, S.
Journal of Coordination Chemistry, **2016**, *69*, 2514.

- 17- New mixed ligand cobalt(II/III) complexes based on the drug sodium valproate and bioactive nitrogen-donor ligands. Synthesis, structure and biological properties.
Abu Ali, H.; Abu Shamma, A.; Kamel S.
Journal of Molecular Structure, **2017**, *1142*, 40-47.
18. Novel structures of Zn(II) biometal cation with the biologically active substituted acetic acid and nitrogen donor ligands: synthesis, spectral, phosphate diester catalytic hydrolysis and anti-microbial studies.
Abu Ali, H.; Kamel S.; Abu Shamma, A.
Applied Organometallic Chemistry, **2017**, *31*, DOI:10.1002/aoc.3829.
19. Synthesis, characterization, in-vitro biological activity studies of new zinc(II) complexes of the non-steroidal anti-inflammatory drug sulindac and nitrogen-donor ligands.
Abu Ali, H.; Shalash, A.; Akawi, M.; Jaber. S.
Applied Organometallic Chemistry, **2017**, *31*, DOI:10.1002/aoc.3772.
20. Synthesis, characterization and biological properties of mixed ligand complexes of cobalt(II/III) valproate with 2,9-dimethyl-1,10-phenanthroline and 1,10-phenanthroline.
Abu Shamma, A.; **Abu Ali, H.**; Kamel, S.
Applied Organometallic Chemistry, **2017**, *31*, DOI:10.1002/aoc.3904.
21. Synthesis, crystallographic, spectroscopic studies and biological activity of new cobalt(II) complexes with bioactive mixed sulindac and nitrogen-donor ligands.
Shalash, A.; **Abu Ali, H.**
Chemistry Central Journal, **2017**, *11*:40, DOI 10.1186/s13065-017-0268-2.
22. New Zn(II) complexes based on biologically active substituted acetic acid and nitrogen donor ligands: synthesis, crystal structure and biological applications.
Kamel, S.; **Abu Ali, H.**; Abu Shamma, A.
Journal of Coordination Chemistry, **2017**, *70*:11, 1910-1925, DOI 10.1080/00958972.2017.1326593.
23. New Complexes of Zn(II) Metal Ion with the Anti-inflammatory Non-steroidal Drug Ibuprofen and Nitrogen Donor ligands. Synthesis, Characterization and Biological Activity.
Omar, S.; **Abu Ali, H.**
Journal of Coordination Chemistry, **2017**, *70*:14, 2436-2452, DOI: 10.1080/00958972.2017.1337897.

B. Reviews, Chapters, Books

- 1- Natural Occurrence of Boron-containing Compounds in Plants, Algae and Microorganism,
Dembitsky, V. M.; Smoum, R.; Quntar. A. A.; **Abu Ali, H.**; Pergament, I.; Srebnik, M.
Plant Science, **2002**, *163*(5), 931. (Review).
- 2- Recent Developments in Bisdiborane Chemistry, (Review).
Dembitsky, V. M.; **Abu Ali, H.**; Srebnik, M.
Appl. Organometal. Chem. **2003**, *17*, 327.

- 3- Natural boron-containing compounds in plants, algae and microorganisms.
Dembitsky, V. M.; Smoum, R.; Quntar, A. A.; **Abu Ali, H.**; Pergament, I.; Srebnik, M.
Current Topics in Phytochemistry, **2002**, Vol. 5, 67-76. (Review).
- 4- Recent Chemistry of the Diboron Compounds, (Chapter).
Dembitsky, V. M.; **Abu Ali, H.**; Srebnik, M.
Adv, Organomet. Chem, Elsevier Ac. Press, **2004**, Vol. 51, Chapter 5, 193.
- 5- α -Boryl Carbonyl Compounds
Abu Ali, H.; Dembitsky, V. M.; Srebnik, M. Organometallics: Boron Compounds. (D.S. Matteson, D. Kaufmann, Eds.), Science of Synthesis, Houben-Weyl Methods of Molecular Transformation, Georg Thieme Verlag, Stuttgart, Germany, (**2004**) Vol. 6, Chapter 29.
- 6- β -Haloalkylboranes
Abu Ali, H.; Dembitsky, V. M.; Srebnik, M. Organometallics: Boron Compounds. (D.S. Matteson, D. Kaufmann, Eds.), Science of Synthesis, Houben-Weyl Methods of Molecular Transformation, Georg Thieme Verlag, Stuttgart, Germany, (**2004**) Vol. 6, 30.
- 7- β -Alkoxyalkyl-, β -Sulfanylalkyl-, β -Aminoalkylboranes
Abu Ali, H.; Dembitsky, V. M.; Srebnik, M. Organometallics: Boron Compounds. (D.S. Matteson, D. Kaufmann, Eds.), Science of Synthesis, Houben-Weyl Methods of Molecular Transformation, Georg Thieme Verlag, Stuttgart, Germany, (**2004**) Vol. 6, Chapter 31.
- 8- γ -Haloalkylboranes
Abu Ali, H.; Dembitsky, V. M.; Srebnik, M. Organometallics: Boron Compounds. (D.S. Matteson, D. Kaufmann, Eds.), Science of Synthesis, Houben-Weyl Methods of Molecular Transformation, Georg Thieme Verlag, Stuttgart, Germany, (**2004**) Vol. 6, Chapter 37.
- 9- Novel Mixed Ligand Complexes of Zn(II) Carboxylates with Nitrogen Based Ligands and their Biological Activities, (Review).
Abu Ali, H.
Chemical Reviews, American Chemical Society, **2017**, *under preparation*.

(Books)

- 1- **Abu Ali, H.**; Dembitsky, V. M.; Srebnik, M., Contemporary Aspects of Boron, Chemistry and biological applications. (**H. Abu Ali**, Ed.), Elsevier Ac. Press, **2005**.
(**Main author and the book editor**).
- 2- **Abu Ali, H.**; Hamamreh, H.; Abu Shamleh, H.; Ramadan, I.; Yousef, F., Chemistry for the 12th grade (Scientific stream), Curriculum Center, Ministry of Education and Higher Education, Palestine, **2017**, *In press*.

SKILLS and QUALIFICATIONS

General skills in research project management and data analysis, reviewing grants and papers and presenting the work of the laboratory. Specific expertise and interests in:

Computing Skills:

Knowledge and experience of Windows 7, MS Word, MS Access, using email and the Internet.

Teaching Skills:

Managing a research team, supervising research students and have supervised undergraduate and graduate research projects of chemistry students.

Have lead several seminars for undergraduate and graduate students in the chemistry department.

Time Management:

It was important to complete my PhD within 3.5 years and this I did successfully. I also met without fail, the many deadlines in my teaching and supervisory duties. I have extensive experience of juggling different tasks and bringing these to a successful conclusion.

Other Skills:

Knowledge of research methodologies

Data and information collection

Writing and presenting reports

Full current clean driving license

I'm fluent in Arabic and also have a reasonable understanding of spoken and written English and Hebrew

Interests:

I enjoy current affairs, reading, voluntary works and traveling.

Research Methods and Scientific techniques e.g. NMR, HPLC, GCMS, IR, UV-VIS, Single crystal X-ray crystallography, etc.

Membership of professional bodies:

- 1- American Chemical Society member
- 2- Palestinian Chemical Society member
- 3- Arab Chemical Society member
- 4- ResearchGate member
- 5- Google Scholar member
- 6- LinkedIn member
- 7- ORCID member
- 8- Portico Science
- 9- Kudos member; Kudos (from the [Ancient Greek](#): κῦδος) is [acclaim](#) or [praise](#) for exceptional achievement.
- 10- Academia member
- 11- Science Publications

REFERENCES

Dr. Abdullatif Abu-Hijleh, Prof.
President, Birzeit University
P.O. Box 14 Birzeit, Palestine
E-mail: latif@birzeit.edu

Dr. Guillem Aromi, Prof.
Universitat de Barcelona
Departament de Química
Inorgànica
Grup de Magnetisme
i Molècules Funcionals
(GMMF)
Diagonal 64708028, Barcelona (Spain)
E-mail: guillem.aromi@qi.ub.es

Dr. Khaled Swaileh, Prof.
Dean Faculty of Science, Birzeit University
P.O. Box 14 Birzeit, Palestine
E-mail: kswaileh@birzeit.edu

Dr. Mazen Hamed, Associate Prof.
Chemistry Department, Birzeit University
P.O. Box 14 Birzeit, Palestine
E-mail: mhamed@birzeit.edu

Dr. Talal Shahwan, Prof.
Dean Faculty of Graduate Studies, Birzeit University
Birzeit, P.O. Box 14
Ramallah, Palestine
E-mail: tshahwan@birzeit.edu

Dr. Simon Kuttab, Prof.
Chemistry Department, Birzeit University
P.O. Box 14 Birzeit, Palestine
E-mail: skuttab@birzeit.edu

Dr. Ismail Warad, Prof.
Department of Chemistry, College of Science,
An-Najah National University, P.O box 7, Nablus, Palestine
E-mail: warad@najah.edu

Hikmat Hilal, Prof.
Department of Chemistry, College of Science,
An-Najah National University, P.O box 7, Nablus, Palestine
E-mail: hikmathilal@yahoo.com or hshilal@najah.edu