



WAHEED J. JONDI (Certificates)

WAHEED J. JUNDI (Passport)

Associate Professor of Organic Chemistry

Last update 27/2/2015

Department of Chemistry, An-Najah N. University, *P.O.BOX 7, Nablus, West Bank, Palestine*

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waheedjj@yahoo.com

Personal:

Date of Birth: August 8th, 1955
Place of Birth: Yatta, Hebron
Nationality: Palestinian
Material Status: Married
Number of Children: 9

Degrees and Education:

Ph.D. Organic Chemistry (1990), English ; UMIST, Manchester.

Thesis:

“Reactions of Hydroxylamines and Oxime Salts with Polyfluoropyridines and Polyfluoroarenes “

M.Sc. Organic Chemistry (1982), English; The Univ. of Jordan.

Thesis:

“Reactions of Benzofurazan N-oxide with Secondary Amines”

B.Sc. General Chemistry (1979) English; The Univ. of Jordan

Honors and Awards

Research Assistantship	UMIST / U.K.	1987-1990
ORS Award	Committee of Vice-Chancellors / U.K.	1987-1990
Teaching Assistantship	UMISIT / U.K.	1987-1990
Teaching Assistantship	The Univ. of Jordan	1979-1982
Student Scholarship	Ministry of Education/ Jordan	1975-1979

PROFESSIONAL EXPERIENCE (TEACHING & RESEARCH):

ARAB AMERICAN UNIVERSITY, (part time) (2007-2009) Jenin, Palestine.

Teaching:

- 1) Organic Chemistry and organic labs
- 2) Polymer Chemistry

AN-NAJAH NATIONAL UNIVERSITY, Chemistry, PO Box 7, Nablus, West Bank

Instructor (1982-1987)

Assistant Professor, In Organic Chemistry (1990-1996)

Associate Professor, in organic Chemistry (1996-Now)

Teaching:*

- 1) *Advanced Organic Chemistry (senior level Chem. 23431)*
- 2) *Advanced Organic Chemistry (M.Sc. Chem. 423531)*
- 3) *Special Topics in Organic Chemistry (senior level Chem. 23483)*
- 4) *Organic Chemistry I, II & III and laboratories (Chem. 23231, 23232, 23331, 23235 & 23335)*
- 5) *Organic Chemistry for biology.....and laboratory (23233 and 23237)*
- 6) *Organic Chemistry and laboratory for medicine (Chem. 23236) and (7004002)*
- 7) *Organic Spectroscopy (Chem. 23433)*
- 8) *Organic Spectroscopy for M.Sc. (423532)*
- 9) *Identification of Organic Compounds (23432)*
- 10) *Organic Chemistry for Pharmacy I & II and their laboratories (10211, 10213, 10212, 10213, 102219 and 102220)*
- 11) *General Chemistry (Freshman Classes) lecture & laboratory*
- 12) *Organic Chemistry for Chemical Engineering (23238)*
- 13) *Special Topics in Organic Chemistry for M.Sc., (423583)*
- 14) *Organic Technology***

** I have taught some of these courses more than 50 times.*

*** The department has stopped releasing this course.*

Research:

(1) *Cluster versus non-cluster catalysis in olefin thermal isomerization and hydrosilylation.*

(2) *Naturally Occurring Naphthoquinone: its Isolation, Sepectrophotometric Determination.*

(3) *The Catalytic Activity of Polysiloxane-supported Metalloprophyrins in Olefin Oxidation Reactions: the effect of the support on catalytic activity and selectivity.*

(4) *Preparation of new supported oxidizing and reducing agents that can be applied to hydrocarbons.*

- (5) . *The nucleophilic substitution reaction of arenes and heteroarenes (i.e. pentafluoropyridine) , which includes the introduction of oxygen ,nitrogen and carbon substituents in difficult position of polyfluoronated aromatic rings, such as the 2-and 3-positions of pentafluoropyridine.*
- (6) *Isolation, characterization and synthesis of active ingredients exist in certain medicinal plants.*
- (7) *Modification of biologically active compounds isolated from plants and studying the biological activity of these modified compounds.*
- (8) *Synthesis and characterization of organic compounds that can be combined to Distamycin A analogues, which block the minor groove of DNA and used as anti-bacterial, anti-viral, anti-cancer and other biological activities.*
- (9) *The use of clay micro- and nano-particles as support for hetero-catalysts in different reactions to improve the yield and the rate of reactions.*

UNIVERSITY OF MANCHESTER, PO Box 88, Manchester M61 1QD , England
Teaching Assistant, (1987-1990)

Teaching: *Practical Organic & Practical General Chemistry Classes for Sophomore Students. .*

Research:

- 1) *Reactions of Diethylhydroxylamine, oximes and Hydrazones Salts of Sodium, Lithium and Potassium with Poly Haloaromatic and Heteroaromatic Compounds.*
- 2) *Nucleophilic Aromatic Substitution on the 2-Position of Pentafluoropyridine*

The University of Jordan, Department of Chemistry, Amman, Jordan
INSTRUCTOR (1979-1982)

Teaching:

- (1) *Practical Organic Chemistry 1 and 2*
- (2) *Practical Inorganic Chemistry*
- (3) *Practical General Chemistry 1 and 2*
- (4) *Identification of Organic Compounds*

Research:

Reactions of Benzofurazan N-oxide with Secondary Amines

The Ministry of Education:

Teacher at Secondary School (1979-1981)

THESIS SUPERVISION and CO-SUPERVISION:

- 1) **M.Sc.**
 - a) **Hani Abed**
 - b) **Afaq Kilani**

- c) **Mohammad Suliman**
- d) **Aqab Amer**
- e) **Saeda Dado**
- f) **Hisham Abed (2009)**
- g) **Waseem Mansor (2013)**
- h) **Somoud Yaseen (still on)**
- i) **Nadine Qalalweh (still on)**
- j) **Remah Abd-Elrazzaq (still on)**
- k) **Baraa Yassen (still on)**
- l) **And many others**

- 2) **Ph.D.**
 - a) **Ahmad Hamaydeh (2010)**

ADMINISTRATION:

- 1) *Chairman*, Chemistry Department. Annajah N. University (2000-2004)
- 2) *Chairman*, General Safety Committee. Annajah N. University (1998-2005)
- 3) *Chairman*, General Safety Committee. Annajah N. University (2007-2008) (2010 – 2013)
- 4) *Many Other Departmental Committees*

Conferences:

- 1) "Catalytic Activity in olefin hydrosilylation reactions by novel catalysts which consist of { Mn III(Tpyp)}+ complex ions intercalated inside matrices of nano" Waseem Mansour, **Waheed Jondi**, Ahed Zyoud and, Hikmat S. Hilal
The first symposium in applied chemistry for innovation and development, April, 24, 2014.; 03/2014
- 2) Catalytic activity in olefin hydrosilylation reactions by novel catalysts which consist of [Mn (TPyP)]+ complex ions intercalated inside matrices of nano (Montmorillonite) particles
Waseem Mansour, **Waheed Jondi**, Ahed Zyoud and, Hikmat S. Hilal
[Show abstract]
Palestinian Conference on Graduate Students Research in Natural and Applied Sciences, Birzeit University, Birzeit, Palestine; 03/2014
- 3) "[Mn (TPyP)]+ complex ions intercalated inside matrices of nano (Kaolinite and Montmorillonite) particles: Catalytic activity in olefin hydrosilylation reactions "
Waseem Mansour, **Waheed Jondi**, Ahed Zyoud and, Hikmat S. Hilal
Palestinian International Chemistry Conference, Birzeit University, Birzeit, Palestine, March 23- 24, 2013., Birzeit University; 03/2013.
- 4) "Catalysis of Organic Reactions Using Metalloporphyrins Intercalated Inside Nano- and Micro- Clay Particles"
Waseem Mansour, **Waheed Jondi**, Ahed Zyoud and, Hikmat S. Hilal
The International Conference of Young Chemists,, University of Jordan, Amman, Jordan,; 04/2012
- 5) "Hydrosilylation Reaction Catalysis Using Metalloporphyrins Intercalated Inside Nano- and Micro-Clay Particles Used in Glass Industry",
Waseem Mansour, **Waheed Jondi**, Ahed Zyoud and, Hikmat S. Hilal

- ”, Chemistry Research and Palestinian Industry Conference, Hebron University, Hebron, Palestine, April 4-5, 2012., Hebron University, Hebron, Palestine,; 04/2012.
- 6) “ Novel Nano- and Micro-supported Catalyst Using Metalloporphyrins Intercalated Inside Nano- and Micro- Treated Clay Particles of Organic reactions)
Waseem Mansour, **Waheed Jondi**, Ahed Zyoud and, Hikmat S. Hilal
The first International Palestinian Conference on Nanotechnology for Advanced Material and Devices,, An-Najah National University, Nablus, Palestine,; 03/2012.
- 7) “Activity of New Supported Catalysts in Olefin Hydrosilylation Reactions”,
Waseem Mansour, **Waheed Jondi**, Ahed Zyoud and, Hikmat S. Hilal
Palestinian Symposium on Nanoscience and Nanotechnology,, Birzeit University, Ramallah, Palestine,; 12/2011.

Publications:

- 1) **In vitro antioxidant and antitumor activities of six selected plants used in the Traditional Arabic Palestinian herbal medicine**
Ahmad Ibrahim Husein, Mohammed Saleem Ali-Shtayeh, **Waheed Jebriil Jondi**, Zatar N., Ibrahim M. Abu-Reidah, Rana M. Jamous
Pharmaceutical Biology 10/2014; 52.(10):1249–1255.
- 2) **Antimicrobial activities of six plants used in Traditional Arabic Palestinian Herbal Medicine.**
Ahmad Ibrahim Husein, Mohammed Saleem Ali-Shtayeh, Rana Majed Jamous, Salam Yousef Abu Zaitoun, **Wahid Jebriil Jondi**, Nidal Abd-Aljapar Zatar
African journal of microbiology research 09/2014; 8(38):3501-3507.
- 3) . **13880209.2014 antioxidant antitumor six Pal pls Husein, Ali-Shtayeh, Jamous et al 2014**
Ahmad Husein, Ali-Shtayeh M.S., Jondi W. J., Zatar N., Abu-Reidah I. M., Jamous R. M.
- 4) **Phthalate derivatives are naturally occurring in Arum palaestinum**
Ahmad Ibrahim Husein, Mohammed Saleem Ali-Shtayeh, Rana M. Jamous, **Waheed Jebriil Jondi**, Nidal Abd-Aljapar Zatar
International Journal of Current Research and Academic Review. 01/2014; 2(9):195-203.
- 5) **Synthesis and Biological Evaluation of Novel Mono Acid Esters Derived from the Constituents of Urtica pilulifera.**
Ahmad I Husein, **Waheed J Jondi**, Nidal A Zatar, Mohammed S. Ali-Shtayeh
[Show abstract]
Iranian journal of pharmaceutical research (IJPR) 01/2014; 13(4).

- 6) High Performance Liquid Chromatographic Method for Quantitative Determination of Emodin in Rumex Cyprius Marb, Spectrophotometric Studies.**
 Ahmad Ibrahim Ahmad Husein, Mohammed S. Ali-Shtayeh, **waheed J. Jondi**, Nidal A. Zatar, Mohammed A. Al-Nuri
International Journal of Sciences: Basic and Applied Research (IJSBAR) 01/2014; 18(2):217-222.
- 7) Oxidation of some Alicyclic Amines by Potassium Hexacyanoferrate () in Alkaline Medium: A Kinetic and Mechanistic Study**
 M. M. Al-Subu, A. A. Amer, **W. J. Jondi**, M. Hanoun, M. J. Musmar
Journal of Molecular Catalysis A Chemical 10/2013; 39(1):1-11
- 8) Antioxidant and anticancer activities of six Palestinian plants used in traditional medicine .**
 Ahmad Ibrahim Husein^{1,2*} , Mohammed Saleem Ali-Shtayeh², **Waheed Jondi¹**, and Nidal Abd-Aljapar Zatar¹
TURKISH JOURNAL OF CHEMISTRY (2013). KIM-1304-71
- 9) Synthesis of Novel Biologically Active Mono Acid Esters Derived from the Constituents of Urtica pilulifera .** Ahmad Husein, **Waheed Jondi**, Mohammed Ali-Shtayeh, Nidal Zatar 2013,
Iranian journal of pharmaceutical research (IJPR) 01/2013; ·
- 10) " Isolation and Antifungal Evaluation Juglans regia L Extracts"**
 A.I.Husein, M.A.Al-Nuri, N.A. Zatar, **W. J. Jondi**, M.S.Ali-Shtayeh ,I.K.Warad
IJRRAS. 11/2012; 3(2):655-660
- 11) Isolation and Antifungal Evaluation of Rumex cyprius Murb Extracts"**
 A.I.Husein, M.A.Al-Nuri, N.A.Zatar, **W.J.Jondi**, M.S.Ali-Shtayeh" .
J.Chem. & Chem.Engin.,2012,6,547-550.
- 12) Osmium (VIII)-catalyzed Oxidation of some cyclic amines by potassium hexacyanoferrate (III) in alkaline media.** M.M. Al-Subu, **W.J.Jondi**, A.A.Amer, M. Hunoun, M.J.Musmar.
The Chem. of Heterocyclic Cpds 4(2003)559-565.
- 13) Oxidation of some alicyclic amines by potassium hexacyanoferrate (III) in alkaline medium: a kinetic and mechanistic study.**
 M. M. Al –Subu, M. Hannoun, A. A. Amer, **W. J. Jondi** and M.J. Musmar.
An- Najah J. Res. 15 (2001) 29-39.
- 14) Kinetics and mechanism of oxidation of 1-octene and heptanal by crown ether-solubilized potassium permanganate in non-aqueous solvents.**
 M.M. Al-Subu, Waheed J. Jondi, S. A. Dado and H.S. Hilal.
Trans. Met. Chem. 27(2002) 223-227.

- 15) Terminal olefin isomerization reactions catalyzed by poly (siloxane)-supported Ru₃(CO)₁₂: the effect of the support on the catalyst selectivity, activity and stability,**
H. S. Hilal, M. Sulaiman, **W. Jondi**, Sh. Khalaf and Moayad Masoud,
Al-Azhar University Journal, Gaza, Vol. 1, No.1 (1999), pp.1-21.
- 16) "Poly (siloxane)-supported decacarbonyldimanganese (O) catalyst for the olefin Hydrosilylation reactions: the effect of the support on the catalyst selectivity, activity and stability"**
H.S Hilal, M. Sulaiman, **W. Jondi** and Shukri Khalf,
J. Mol. Catal, A: Chemical, 144 (1998) 47-59.
- 17) Cluster Catalysis of olefin Hydrosilylation and Isomerzation Thermal Reaction Using Co₄(CO)₁₀(PPh)₂.**
Waheed J. Jondi.
An-Najah J. Res., (1996) 4(10), 42-70.
- 18) Emodion, a Naturally occurring Anthraquinone: Its Isolation and spectrophotometric Determination in Rumex Cyprious Plants;** M.A. Al-Nuri, Waheed J. Al-Jondi and others.
Spectroscopy Lett. 29(8), 1539-1543 (1996).
- 19) Catalytic activity of poly (siloxane-supported metalloprophyrins in Olefin oxidation reactions: the effect of the support on catalytic activity and selectivity.** H.S. Hilal, **Waheed Jondi**, S. Khalaf, A. Kilani, M.Suleiman and A. F. Schreiner.
The J. Mol. Cat. A: Chemical (1996), 113, 35-44.
- 20) Reaction of Meta. Diethylnitroxide with Pentafluoropyridine, Pentafluorobenzene, Octafluorotoluene and -2-Chloro-3-or5-nitropyridine.**
J. Adamson; **Waheed J. Jondi**, Anthony Tipping
J.Fluor. Chem 67 (1996) 67-78;
- 21) Stoichiometry, Kinetics and Mechanism of Oxidation of L-Cysteine by Hexacyanoferrate (III) In Acidic Media.**
Rajab Abu El-Halawa, M.M. Al-Subu, H.M. Abed and **Waheed J. Jondi.**
An-Najah J. Res., (1996), 4 (10), 23-41.
- 22) Diethylammonium Tetrafluoro-4-pyridinolate.**
A.J. Adamson, R. E. Banks, **W. J. Jondi.**, R. G. Pritchard, A. E. Tipping
Acta. Cryst. (1995) C47, 1124-1125.
- 23) Benzophenone O-(2,3,5,6-Tetrafluoro-4-Pyridyl)Oxime.**
W. J. Jondi, R.G. Pritchard and A.E. Tipping.
Acta. Cryst. (1995). C51, 29-293.
- 24) 5-Fluoro-8,8-dimethy e -7-oxo-3,9-diazobicyclo (4,3)nana-5, 9-diene-2,4-dione: a novel Product.**
R.E. Banks, **Waheed J. Jondi**, R.G. Pritchard and A.E. Tipping.
Acta. Cryst. (1995). C51, 515-517.

- 25) (E)-Acetophenone O-(3,4,5,6-tetrafluoro-2-pyridyl) Oxime.**
R.E. Banks, **W. J. Jondi**, R. C. Pritchard and A.E. Tipping.
Acta. Crystal. (1995). C51, 293-295.
- 26) On the Mechanism of 1-Octene Isomerization and Hydrosilylation reaction Catalyzed by Ru₃(CO)₁₂ .**
H.S. Hilal, **Waheed J. Jondi** and Shukri Khalaf .
An-Najah J. Res., (1994) Vol, II(8), 175-183."Communication".
- 27) Plumbagin, a Naturally Occurring Naphthoquinone: its Isolation, Spectrophotometric Determination in Roots, Stems and leaves in Plumbago Europea L.**
M.A. Al-Nuri, M.A. Hannoun, N. A. Zatar M.A. Abu-Eid, **Waheed J. Al-Jondi** and Ahmad I. Hussein.
Spectroscopy letters, 27(4), 409-416(1994).
- 28) Cluster Versus non-cluster catalysis in olefin thermal isomerization and hydrosilylation in the presence of Ru₃(CO)₁₂.**
H.S. Hilal, **W. Jondi**, and S. Khalaf .
J. Organometallic Chemistry ; 452 (1993) 167-173.
- 29) Olefin hydrogenation and isomerization catalyzed by Ru₃(CO)₁₂ and its derivatives. Cluster vs. non-cluster catalysis.**
H.S. Hilal **W. Jondi**, S. Khalaf and R.Abu HalawJ.
Organometallic chemistry, 452 (1992) 161-165.
- 30) S_NAr Displacement of Fluorine from Pentafluoropyridine by sodium oximate: Unprecedented Substitution Patterns.,**
R.E.Banks, **Waheed Jondi** and A.E. Tipping
J.Chem. Soc., Chem. Commun. (1989). 1268
- 31) Reactions of Sodium Diethylnitroxide with Fluorobenzenes, Pentafluoropyridine and Halogenopyridines.**
R.E.Banks, **Waheed J. Jondi** and A.E. Tipping.
J. Flour. Chem., 44 (1989) 441