

## **Kamal I. Abu-Dari**

### **General**

Date and place of birth : Wadisseer, 10/7/1948  
Status : Married with three children  
Citizenship : Jordanian  
Field of Interest : Inorganic chemistry, Coordination chemistry,  
Bioinorganic chemistry.

### **Education:**

General Secondary Exam Certificate 1966

B.Sc., 1970, Univ. of Jordan/Amman - Jordan, Chemistry

M.Sc., 1974, Univ. of Jordan/Amman - Jordan, Chemistry

Ph.D., 1979, Univ. of California-Berkeley, Berkeley,

California-U.S.A. Inorganic Chemistry.

### **Experience:**

- \* High - School Teacher, Ministry of education 1970-1972.
- \* Teaching assistant, Univ. of Jordan, 1972-1974.
- \* Lecturer, Univ. of Jordan 1974-1975
- \* Part time teaching assistant, Univ. of California Berkeley,  
1976-1977.
- \* Lecturer, Univ. of Jordan, 1979.

- \* Assistant Professor, Univ. of Jordan 1980-1986.
- \* Associate Professor, Univ. of Jordan 1986-1992.
- \* Visiting Professor, Univ. of California-Berkeley, 1987-1988.
- \* Dean Assistant 1986/1987, 1990-1992.
- \* Professor Chemistry 1992.
- \* Chairman, Chemistry Department, 1992-1993 , 1995-1997.

**Teaching experience:**

General Chemistry, for Science, Nursing, Medical, Engineering etc. General Chemistry laboratories, Inorganic Chemistry courses, Inorganic laboratory courses, bioinorganic Chemistry (Graduate level).

**References:**

- Professor Musa Z. Nazer, Chemistry Department.  
Univ. of Jordan, Amman - Jordan (Currently at American Univ. of Beirut - Labanon.
  - Professor Salim Sabri, Chemistry Department Univ, of Jordan, Amman - Jordan.
  - Professor Kenneth N. Raymond, Univ. of California-Berkeley, Berkeley CA 94720, U.S.A.
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Abu-Dari, K.; Dirasat. Nat. 20B 1993  
Mahasneh, A. M. Sci. (1), 12-  
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<u>Antimicrobial Activity of Thiohydroxamic Acids and their Metal complexes. The Synthesis and Antimicrobial Activity of N-methylthioacetohydroxamic acid and its Zn, Cu, Fe and Ga complexes.</u>	Abu-Dari, K.; Mahasneh, A. N.	Dirasat. Nat. Sci	20B (2), 7-15	1993
<u>Synthesis of Mono- and Bis(hydroxypyridine thione) Ligands and their lead complexes. Structure of bis(6-diethylcarbamoyl)-1-hydroxy-2 (1H)-pyridine-2-thionato-O,S) lead(II)</u>	K. Abu Dari, T. B. Karpishin and K. N. Raymond	Inorg. Chem	32, 3052	1993
<u>Determination of stability constants of N-methylthioacetohydroxamic Acid with lead(II) and Cadmium(II) using Differential Pulse Polarography.</u>	Fayyad, M. K.; Abu-Dari, K.	Fresenius Envir Bull	2, 717-723	1993
<u>Synthesis and Characterization of Chiral Isomers of Tris (1-oxo-2,2(1H)-2-pyridinethiones)Iron(III) Chromium(III), and Cobalt(III) Complexes.</u>	Abu-Dari, K.; Raymond, K. N.	J. Coord. Chem	26, 1-14.	1992
<u>Synthesis of Tris(hydroxypyridinethione Ligands and Their Ferric complexes: X-ray structure Analysis of N, N', N''-Tris(1,2-didehydro-1-hydroxy-2-thioxopyrid-6-yl) carbonyl)-2,2'2''-Triaminotriethylaminato)iron(III).</u>	Abu-Dari, K.; Raymond, K. N.	Inorg. Chem	30, 519-524	1991

<u>Physical Properties, and structures of Lead Thiohydroxamate complexes.</u>	▼	Abu-Dari, K.; Ekkehardt Hahn, F.; Raymond, K. N. Synthesis	J. Am. Chem. Soc	112, 1519-1524	1990
<u>and Characterization of Lead and Cadmium thiohydroxamate complexes.</u>	▼	Abu-Dari, K.	Dirasat, Nat. Sci, Univ. of Jordan	15, 96	1988
<u>Synthesis, Structure., and Thermodynamics of complexation of Cobalt(III), and Iron(III) Tris Complexes of Several Chelating Hydroxypyridinones</u>		Scarrow, R. C.; Riley, P. E.; Abu-Dari, K.; While, D. L.; Raymond K. N.	Inorg. Chem	24-954-967.	1985
<u>Proton dependent cobalt(III) spin states. Structure of the sodium salt of trans-tris(benzohydroximato)cobaltate(III).</u>		Abu-Dari, K.; Barclay, S. J.; Riley, P. E.; Raymond, K. N.	Inorg. Chem	22, 3085-3089	1983
<u>Synthesis of Metal Complexes of 1-Hydroxy-2-Pyridinone and the crystal structure of Tetrakis(1-oxo-2-Pyridonato) aquothorium(IV) dihydrate.</u>		Riley, P. E.; Abu-Dari, K.; Raymond, K. N.	Inorg. Chem	22, 3940-44	1983
<u>Crystal and molecular structures of tetrakis (N-methylthiotoly)-hafnium(IV).</u>		Abu-Dari, K.; Raymond, K. N.	Inorg. Chem	21, 1676-1679.	1982
<u>Crystal and molecular structure of two salts of cis- and trans-tris(benzohydroximato)chromate(III).</u>		Abu-Dari, K.; Raymond K. N.;	Inorg. Chem	19, 2037-2040.	1980
<u>stereochemistry of Optically active transition metal complexes. Stereochemistry of microbial ion transport compounds.</u>		Raymond K. N.; Abu-Dari, K. N.; Sofen, S. R	Act symposium series	119, 133-167	1980
<u>Specific sequestering agents for the actinides.</u>		Raymond, K. N.; Smith, W. L.; Weitl, F. L; Durbin, P. W.; Sarah Jones, E.; Abu-Dari, K.; Sofen, R. S.; Cooper S. R.	Lanthanides and ACS symposium Series,	131, 143-172.	1980
<u>The bihydroxide (H<sub>2</sub>O<sub>2</sub>) anion. A very short, symmetric hydrogen bond.</u>		Abu-Dari, K.; Raymond, K. N.; Freyberg, D. P.	J. Amer. Chem. Soc	101, 3688-3689	1979
<u>Preparation and structural characterization of tris(N-methylthiobenzohydroxamato) cobalt(III), -chromium(III), -iron(III), and manganese(III).</u>		Freyberg, D. P.; Abu-Dari, K.; Raymond, K. N.	Inorg. Chem	18, 3037-3043	1979
<u>Crystal and molecular structure of disodium triethylammonium tris-(thiobenzohydroxamato) chromate(III) hemikis (sodium hydroxide hydrate).</u>		Abu-Dari, K.; Freyberg, D. P.; Raymond K. N.	Inorg. Chem	18, 2427-2433	1979
<u>Isolation and structural characterization of trans-tris (benzohydroxamato) chromium(III)-2-(2-propanol).</u>		Abu-Dari, K; Ekstrand, J. D.; Freyberg, D. P.; Raymond, K. N	Inorg. Chem	17, 1088-112.	1978
<u>Isolation Electro- chemistry and magnetic susceptibility of iron(III)-hydroxamate</u>		Abu-Dari, K.; Cooper, S. R.; Raymond K. N.	Inorg. Chem.	17, 3394-3397	1978
<u>A ligand Ffield effect in the crystal and molecular structures of tetrakis (catecholato)uranate(IV) and thorate(IV).</u>		Sofen, S. R.; Abu-Dari, K.; Freyberg, D. P.; Raymond K. N.	J. Amer Chem. Soc	100, 7882-7887.	1978
<u>Preparation and resolution of</u>		Abu-Dari, K.; Raymond, K.N.	Inorg. Chem	16, 807-	1977

<u>tris(thiobenzohydroxamato) chromium(III)-cobalt(III), and -iron(III) complexes.</u>			812.	
<u>The resolution of tris(thiobenzohydroxamato) and tris (hydroxamato) Complexes of high-spin iron(III).</u>	Abu-Dari, K.; Raymond, K.N.	J. Amer. Chem. soc	99, 2003-2005	1977

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