**Biographical Sketch (Abbreviated)**

**Bashar Ksebati**

*Senior Research Scientist and Manager NMR Facility, Department of Chemistry*

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Research interests on the chemistry of marine organisms and plants and the structure elucidation

by 1D, 2D, and 3D NMR spectroscopy of biologically active natural product compounds from

marine organisms and plants as well as from organic synthetic pathways.

Teaching and training graduate and undergraduate students the NMR concepts and its

applications to solve chemical and structural problems by using state-of-the-art technology of 1D,

and 2D NMR experiments.

**A. Professional Preparation**

University of Damascus, Damascus, Syria Chemistry B. S. 1977

University of Oklahoma Chemistry Ph.D. 1984

University of Oklahoma Chemistry 1984-1988

**B. Appointments**

University of Oklahoma NIH / NSF Postdoctoral Fellow 1984-1988

Wayne State University Research Associate/ Manager 1988-1991

Wayne State University Research Scientist / Manager 1991-1998

Wayne State University Senior Research Scientist/Manager 1998 –Present

**C. Selected Research Publications**

1. M. B. Ksebati, L. S. Ciereszko and F. J. Schmitz,"11β, 12β-epoxypukalide,A Furanocembranoide from the Gorgonian Leptogorgia setacea," *J. Nat, prod.,1984, 47,1009*.

2. M. B. Ksebati and F. J. Schmitz, "24-methyl-5-cholestane-3,5,6,22R,24-pentanol 6- Acetate: New polyhydroxylated sterol from the Soft Coral Asterospicularia randalli," *Steroids, 1984,43,639.*

3. M. B. Ksebati and F.J. Schmitz, "Tridachiapyrones: Propionate-Derived Metabolites from the Sacoglossan Mollusc Tridachia Crispata, " J*. Org.Chem., 1985,50,5637.*

4. M. B. Ksebati and F. J. Schmitz, "Diterpenes from a Soft from Truk Lagoon, " *Bull Soc. Chim. Belg., 1986,95, 835.*

5. L. V. Manes, P. Crews, M. B. Ksebati and F. J. Schmitz, " The Use of Two Dimensional NMR and Relaxation Reagents to Determine Sterochemical Features in Acyclic Sesterpenes, " *J. Nat. Prod., 1986, 49, 787.*

6. M. B. Ksebati and F. J. Schmitz, "Nine New Spongiane Diterpenes from an Australian Nudibranch," *J. Org. Chem.,1987, 52, 3766*.

7. M. B. Ksebati, F. J. Schmitz, S. P. Gunasekera, and S. Agarwal, "Sarasinoside A1: A Saponin Containing Amino Sugars Isolated from a sponge," *J. Org. Chem.,1988, 53, 5941.*

8. M. B. Ksebati, F. J. Schmitz, and S. P. Gunasekera, "Pouosides A-E, Novel Triterpene Galactosides from a Marine Sponge, Asteropus sp." *J. Org. Chem., 1988, 53, 3917.*

9. M. B. Ksebati, and F. J. Schmitz, "Minabeolides, A Group of Withanolids from a soft Coral, Minabea Sp." *J.Org. Chem., 1988, 53, 3926*.

10. M. B. Ksebati, and F. J. Schmitz, "Sesquiterpene Furans and Thiosesqui-terpenes from the Nudibranch Ceratosoma brevicaudatum." *J. Nat. Prod., 1988, 51, 857*.

11. M. B. Ksebati, F. J. Schmitz, J. S. Chang, M. B. Hossain, D. van derHelm, M. H. Engel, and A. Serban. "Cyclic Peptides from the Ascidian Lissoclinum Patella; Conformational analysis of Patellamide D by X-ray analysis and Molecular Modeling." *J. Org. Chem., 1989, 54, 3463.*

12. M. B. Ksebati, F. J. Schmitz, G. K Liyanage, W. D. Ratnasooriya, and L. M V. Tillekeratne. "A New Spermatostatic Glycoside from the Soft Coral Sinularia Crispa." *J. Nat. Prod., 1989, 52, 1143*.

13. B. Ksebati, Santosh B. Mhaske, Mark N. Prichard, John C. Drach, Jiri Zemlicka.” Phosphonate Analogues of Cyclopropavir Phosphates and Their *E*-isomers. Synthesis and Antiviral Activity.” *Bioorg Med Chem. 2009 , 17(11), 3892–3899.*

14. [B. Ksebati](http://www.sciencedirect.com/science/article/pii/S0162013411002698), [Dajena Tomco](http://www.sciencedirect.com/science/article/pii/S0162013411002698), [Sara Schmitt](http://www.sciencedirect.com/science/article/pii/S0162013411002698), [Mary Jane Heeg](http://www.sciencedirect.com/science/article/pii/S0162013411002698), [Q. Ping Dou](http://www.sciencedirect.com/science/article/pii/S0162013411002698), [Cláudio N. Verani](http://www.sciencedirect.com/science/article/pii/S0162013411002698).” Effects of tethered ligands and of metal oxidation state on the interactions of cobalt complexes with the 26S proteasome.” *Journal of Inorganic Biochemistry ,105 (2011) 1759–1766.*

33. [Appi Reddy Mandhapati](http://pubs.acs.org/action/doSearch?ContribStored=Mandhapati%2C+A+R) †, [Takayuki Kato](http://pubs.acs.org/action/doSearch?ContribStored=Kato%2C+T) †, [Takahiko Matsushita](http://pubs.acs.org/action/doSearch?ContribStored=Matsushita%2C+T) †, [Bashar Ksebati](http://pubs.acs.org/action/doSearch?ContribStored=Ksebati%2C+B) †, [Andrea Vasella](http://pubs.acs.org/action/doSearch?ContribStored=Vasella%2C+A) ‡, [Erik C. Böttger](http://pubs.acs.org/action/doSearch?ContribStored=B%C3%B6ttger%2C+E+C) §, and [David Crich](http://pubs.acs.org/action/doSearch?ContribStored=Crich%2C+D) [\*](http://pubs.acs.org/doi/abs/10.1021/jo502677a#cor1)† Fluorine-Decoupled Carbon Spectroscopy for the Determination of Configuration at Fully Substituted, Trifluoromethyl- and Perfluoroalkyl-Bearing Carbons: Comparison with 19F–1H Heteronuclear Overhauser Effect Spectroscopy*.* J. Org. Chem**.*,*** *2015****,***80 *(3), pp 1754–1763.*

**Honors/Awards:**

Wayne State University College of Science Presidential Bounce Service Award, 1998