

## PUBLICATIONS

1. Wiemer, G.; Dobrucki, L. W.; Louka, F. R.; Malinski, T. Heitsch, H., AVE 0991, a Nonpeptide Mimic of the Effects of Angiotensin-(1-7) on the Endothelium. *Hypertension* **2002**, 40, 847-52.
2. Balbatun, A.; Louka, F. R.; Malinski, T. Dynamics of Nitric Oxide Release in the Cardiovascular System. *Acta Biochimica* **2003**, 50(1), 61-67.
3. Massoud, S. S.; Jeanbatiste, R. R.; Nguyen, T. M.; Louka, F. R.; Gallo, A. A., "Cobalt(III) Complexes of Tripod Amines. Kinetics of Aquation of Dichloro[N-(2-aminoethyl)-N,N-bis(3 aminopropyl)amine]cobalt(III) Ion". *J. Coord. Chem.* **2007**, 60, 2409-2419.
4. Mautner, F. A.; Vicente R.; Louka, F. R.; Massoud, S. S. "Dinuclear Fumarato- and Terephthalato-bridged Copper(II) Complexes. Structural Characterization and Magnetic Properties". *Inorg. Chim. Acta*, **2008**, 361(5), 1339-1348.
5. Massoud, S. S.; Mautner, F.A.; Vicente, R.; Louka, F. R. "Squarato-metal(II) Complexes. Part 3:  $\mu$ 1,3- (*trans*) vs.  $\mu$ 1,2- (*cis*) bonding in Squarato-bridged Dinuclear Copper(II) and Nickel(II) Complexes dreived from Polypyridyl Amines". *Eur. J. Inorg. Chem.* **2008**, 23, 3709 – 3717.
6. Louka, F. R.; Mautner, F. A.; Vicente, R.; Massoud, S. S. " $\mu$ 2-Oxalato-bridged Tri-copper(II) Complex Derived from 1,4,8,12-Tetraazacyclopentadecane.Synthesis, Structure and Magnetic Characterization". *Inorg. Chem. Commun.* **2008**, 11(4), 438-441.
7. Mautner. F. A.; Louka, F. R.; LeGuet, T.; Massoud, S. S. "Pseudohalide Copper(II)Complexes Derived from Polypyridyl Ligands. Synthesis and Characterization". *J. Molecular Struct.* **2009**, 919, 196–203.
8. Xu, W.; Louka, F. R.; Doulain, P. E.; Landry, C. A.; Mautner, F. A.; Massoud, S. S. "Hydrolytic Cleavage of DNA Promoted by Cobalt(III)-Tetraamine Complexes. Synthesis and Characterization of Carbonatobis[2-(2-pyridylethyl)]-(2-pyridylmethyl)aminecobalt(III) Perchlorate". *Polyhedron* **2009**, 28, 1221–1228.
9. Massoud, S. S.; Louka, F. R.; Mikuriyab, M.; Ishidab, H.; Mautner. F. A. "Dicyanamido– metal(II) complexes. Part 3: Hydrolysis of the dicyanamide into amidocyanamide". *Inorg. Chem. Commun.* **2009**, 12(5), 420-425.
10. Mautner. F. A.; Louka, F. R.; Massoud, S. S. "Structural characterization of some oxalato-bridged copper(II) and nickel(II) complexes". *J. Molecular Struct.* **2009**, 921(1-3), 333-340.
11. Mautner, F. A.; Masahiro Mikuriya, M., Ishida, H.; Louka, F. R.; Humphrey, J. W.; Massoud, S. S., "Dicyanamido-Metal(II) Complexes. Part 4. Synthesis, Structure and Magnetic Characterization of Polynuclear" *Inorg. Chim. Acta* **2009**, 362(11), 4073-4080.
12. Mason R. P.; Kubant, R.; Jacob, R. F.; Malinski, P., Huang, X.; Louka, F. R.; Borowiec, J.; Mizuno, Y.; Malinski, T. "Loss of Arterial and Renal Nitric Oxide

- Bioavailability in Hypertensive Rats With Diabetes: Effect of  $\beta$ -Blockers" *American Journal Hypertension* **2009**, November 22(11), 1160-1166.
13. Mautner, F. A.; Louka, F. R.; Gallo, A. A., Saber, M. R., Burham, N. B., Albering, J. H.; Massoud, S. S. "Thiocyanato-Cu(II) Complexes Derived from Tridentate Amine Ligands and from Alanine" *Transition Met. Chem.* **2010**, 35(5), 613- 620.
  14. Mautner, F. A.; Albering, J. H.; Vicente, R.; Louka, F. R.; Gallo, A. A.; Massoud, S. S. "Copper(II) Complexes Derived from Tripodal Tris[(2-ethyl-(1-pyrazolyl)]amine". *Inorg. Chim. Acta* **2011**, 365(1), 290-296. <http://dx.doi.10.1016/j.ica.2010.09.030>
  15. Massoud, S. S.; Louka, F. R.; Nguyen, T.L.; Mikuriya, M.; Albering, J. H.; Mautner, F. A. "Structural and Magnetic Characterization of 1-D Copper Complexes Constructed from Pyrazole-3,5- dicarboxylate Bridging Multi Cu(II) Centers" *Inorg. Chim. Acta* **2011**, 366(1), 394-398. <http://dx.doi.10.1016/j.inoche.2011.02.011>
  16. Massoud, S. S.; Mautner, F. A.; Louka, F. R.; Demeshko, S.; Dechert, S.; Meyer, F., "Diverse Coordination of Polynuclear Copper(II) Complexes Constructed from Benzene Tetracarboxylate" *Inorg. Chim. Acta*, **2011**, 370, 435-443. <http://dx.doi.10.1016/j.ica.2011.02.019>
  17. Mautner, F. A.; Albering, J. H.; Corbella, M.; Louka, F.R.; Massoud, S.S. "A Unique Unit Cell Containing Simultaneous Doubly and Triply Copper(II) Complexes Bridging by 2,4-Pyridine Dicarboxylate. Synthesis, Structural Characterization and Magnetic Properties" *Inorg. Chem. Commun.*, **2011**, 14, 702-705. <http://dx.doi.10.1016/j.inoche.2011.02.011>
  18. Louka, F. R.; Spell, M. L.; Grebowicz, J.; Albering, J. H.; Mautner, F. A.; Massoud, S.S. "Coordination Chemistry of 1,4-Bis[bis(2-pyridylmethyl)aminomethyl]benzene with Copper(II)" *J. Mol. Struct.*, **2011**, 995, 103-108. <http://dx.doi.10.1016/j.molstruc.2011.03.066>
  19. Massoud, S. S.; Louka, F. R.; Xu, W.; Perkins, R.; Vicente, R.; Albering, J. H.; Mautner, F. A., "DNA Cleavage by Structurally Characterized Dinuclear Copper(II) Complexes Based on Triazine" *Eur. J. Inorg. Chem.*, **2011**, 3469-3479. <http://dx.doi.10.1002/ejic.201100157>
  20. Mason, R. P.; Jacob, R. F.; Kubant, R.; Jacoby, R.; Louka, F. R.; J. Corbalan, J.; Malinski, T. "Effects of Angiotensin Receptor Blockers on Endothelial Nitric Oxide Release — The Role of eNOS Variants" *Br. J. Clin. Pharmacol.* **2012**, 74(1), 141-6. doi: 10.1111/j.1365-2125.2012.04189.x.
  21. Louka, F. R.; Nguyen, T. L.; Albering, J. H.; Mautner, F. A.; Massoud, S. S. "Unprecedented formation of a doubly bridged  $\mu$ -peroxo- $\mu$ -pyrazolyldicarboxylatodicobalt(III) complex". *Inorg. Chem. Commun.* **2012**, 15, 269–271.
  22. Louka, F. R.; Stewart, A. D.; Regel, E.; Mautner, F. A.; Demeshko, S.; Meyer, F.; Massoud, S.S., "Squarato-Metal(II) Complexes: Part 5. Polynuclear Copper(II) Complexes Bridged by Squarate and Croconate Dianions". *Inorg. Chem. Commun.* **2012**, 22, 60–64.
  23. Massoud, S. S.; Louka, F. R.; Obaid, Y. K Vicente, R.; Ribas, J; Fischer, R. C.; Mautner, F. A. "Metal ions directing the geometry and nuclearity of azido-metal(II)

- complexes derived from bis(2-(3,5-dimethyl-1H-pyrazol-1-yl)ethyl)amine” *Dalton Transactions* **2013**, 42, 3968-3978. <http://dx.doi.org/10.1039/C2DT32540C>.
24. Mautner, F. A.; Louka, F. R.; Hofer, J.; Spell, M.; Lefèvre, A.; Guilbeau, A. E.; Massoud, S. S. “One-Dimensional Cadmium Polymers with Alternative di(EO/EE) and di(EO/EO/EO/EE) Bridged Azide Bonding Modes”. *Crystal Growth & Design*, **2013**, 13 (10), 4518–4525. <http://dx.doi.org/10.1021/cg400998r>
  25. Massoud, S. S.; Perkins, R.; Louka, F. R.; Xu, W.; Roux, A, L; Dutercq, Q; Fischer, R. C.; Mautner, F. A.; Handa, H.; Hiraoka, Y.; Kreft, G. L.; Bortolotto, T.; Terenzi, H. “Efficient hydrolytic cleavage of plasmid DNA by chloro-cobalt(II) complexes based on sterically hindered pyridyl tripod tetraamine ligands: synthesis, crystal structure and DNA cleavage” *Dalton Transactions*, **2014**, 43, 10086–10103.
  26. Mautner, F. A.; Mikuriya, M.; Naka, N.; Louka, F. R.; Massoud, S. S. “Bonding  $\mu_{1,3}$ - (trans) vs  $\mu_{1,2}$ - (cis) in squarato-bridging dinuclear copper(II) complexes derived from pyridyl amine ligands”. *Polyhedron*, **2015**, 85, 110–116. <http://dx.doi.org/10.1016/j.poly.2014.08.040>
  27. Massoud, S. S.; Louka, F. R.; David, R. N.; Dartez, M. J.; Nguyn, Q. L.; Labry, N. J. Fischer, R. C.; Mautner, F. A.; “Five-coordinate metal(II) complexes based pyrazolyl ligands” *Polyhedron*, **2015**, 90, 258–265.
  28. Massoud, S. S.; Louka, F. R.; Abu-Elhassan, M. A.; Vicente, R.; Mautner, F. A. “Magneto-structural properties of carbonato-bridged copper(II) complexes. Fixation of atmospheric CO<sub>2</sub>” *New J. Chem.* **2015**, 39, 5944-5952.
  29. Massoud, S. S.; Louka, F. R.; Mautner, F. A. “Polynuclear and Polymeric Squarato-Bridged Coordination Compounds” submitted to *Cryst. Eng. Comm.* July 6, **2015**.

## MEETINGS

1. Louka, F. R.; Balbatun, A.; Malinski, T. *FASEB*, San Diego, CA, April 11-15, **2003**. “Dynamics of Nitric Oxide Release in Normal and Dysfunctional Endothelium”.
2. Massoud, S. S.; Mautner, F. A.; Vicente, R., Louka, F. R., *Coordination Chemistry Conference 3-2008*, Cancun, Mexico, March 6-9, **2008**. “Squarato-bridged Copper(II) Complexes”.
3. Mautner, F. A.; Louka, F. R.; Massoud, S. S., *Austrian Physical Society Meeting*, Austria, September 23, **2008**. “Dicyanamide Metal Complexes”.
4. Louka, F. R.; Mautner, F. A.; Mikuriya, M.; Massoud, S. S., *237<sup>th</sup> ACS National Meeting*, Salt Lake City, UT, March 22-26, **2009**. “Polynuclear Dicyanamido Copper(II) and Nickel(II) Complexes”.
5. Louka, F. R.; Malinski, T., *238<sup>th</sup> ACS National Meeting*, Washington DC, August 16-20, **2009**. “Dynamics of nitric oxide release in endothelial cells of WKY and SHR rats”.
6. Louka, F. R., Chemistry symposium, McNeese University, September **2009**. “Electrochemical Nanosensors: The relationship between Nitric oxide Bioavailability and Cardiovascular System”

7. Louka, F. R.; Malinski, T. Joint SE/SW Regional ACS Meeting, New Orleans, LA. Dec.1-4, MEDI SESW674, **2010**. “[Nitric oxide/ superoxide] or [nitric oxide/ peroxy nitrite] as good indicators of the degree of endothelial dysfunction and life span of the cardiovascular system”.
8. Massoud, S. S.; Louka, F. R.; Xu, W.; Perkins, R. S.; Vicente, R.; Albering, J. H.; Mautner, F. A. SW/SE Regional ACS Meeting, New Orleans, LA, December 1-4. INORG 95, **2010**. “Structural Characterization of Dinuclear Copper(II) Complexes Based on Triazine and their DNA Cleavage Activity”.
9. Nguyen, L. T.; Louka, F. R.; Mikuriya, M.; Albering, J. H.; Mautner, F. A.; Massoud, S. S. SW/SE Regional ACS Meeting, New Orleans, LA, December 1-4. INORG 195, **2010**. “1-D Copper(II) Complexes Constructed from Pyrazole-3,5-dicarboxylate Bridging Tri-copper(II) Centers”.
10. Gallo, A. A.; Louka, F. R.; Mautner, F. A.; Albering, J. H.; Vicente, R.; Massoud, S. S. SW/SE Regional ACS Meeting, New Orleans, LA, December 1-4. GEN. INORG 240, **2010**. “Mono- and Di-nuclear Copper(II) Complexes Constructed from Tripodal Tris[(2-ethyl-(1-pyrazolyl)]amine (tepza)”.
11. Louka, F. R.; Spell, M. L.; Arnold, T.; Mautner, F. A.; Demeshko, S.; Meyer, F., Massoud, S. S. Joint SE/SW Regional ACS Meeting, Austin, TX. Nov. 9-12, **2011**. “Polynuclear Copper(II) Complexes Bridged by Squarate and Croconate Dianions”.
12. Louka, F. R.; Gallo, A. A.; Quan, L. L.; Lemieux, M. C.; Nguyen, L. T.; Vicente, R.; Mautner, F. A.; Massoud, S. S. Zing Coord. Chem. Conf. Cancun-México, **2011**. “1-D Polymeric Copper(II) Complexes Bridging by Dicyanamide”.
13. Louka, F. R.; Vicente, R.; Ribas, J.; Mautner, F. A.; Fischer, R. C.; Massoud, S. S. Joint SE/SW Regional ACS Meeting, Baton Rouge, LA. Nov. 2-5, **2012**. “Metal Ions Direct the Geometrical and Nuclearity of Azido-Metal(II)-bis(2-(3,5-dimethylpyrazol-1-yl)ethyl)amine Complexes”.
14. Klerks, P. L.; Felder, D. L.; Chistoserdov, A.; Louka, F. R. Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, Jan. 21-23, **2013**. “The effect of sediment bioturbators on the biological degradation of petroleum in coastal ecosystems”.
15. Louka, F. R.; Nguyen, Q. L.; Mautner, F. A.; Massoud, S. S. Zing Coord. SWRM-ACS Waco-TX, **2013**. “Cadmium(II) Polymers Bridged Azide with Different Dimensionality”.
16. Klerks, P. L.; Oguma, A.; Blankson, E.; Curtis, C.; Goodwin, M.; Louka, F. R.; Chistoserdov, A. The Society of Environmental Toxicology and Chemistry North America 34th Annual Meeting, Nashville, TN, 17-21 November **2013**. “The effect of sediment bioturbators on the hydrocarbon distribution in hydrocarbon-dosed mesocosms”.
17. Klerks, P. L.; Louka, F. R.; Deb Adhikary, N.; Kascak, A.; Felder, D. L.; Oguma, A.; Ducharme, G.; Chistoserdov, A. Gulf of Mexico Oil Spill & Ecosystem Science Conference, Mobile, AL, Jan. 26-30, **2014**. “The interaction between sediment bioturbators and sediment microbes on the distribution and degradation of oil in sediment.”

18. Satbhai, K. M.; Louka, F. R.; Klerks, P. L. South Central - Society of Environmental Toxicology and Chemistry (SC-SETAC), San Marcos, TX, May 30 – June 1, **2014**. “Effects of petroleum hydrocarbons and their interactions on mate guarding behavior in the amphipod *Hyalella Azteca*”.
19. Louka, F. R.; Chistoserdov, A.; Deb Adhikary, N.; Kascak, A.; Satbhai, K. M.; Louviere, C.; Klerks, P. L. 248<sup>th</sup> American Chemical Society National Meeting National Meeting, San Francisco, CA. August 10-14, **2014**. “Effect of bioturbators on the degradation and distribution of polycyclic aromatic hydrocarbons in sediment.”
20. Massoud, S. S.; Louka, F. R.; Mautner, F. A.; Naka, Y.; Mikuriya, M. Symposium on Coordination Compounds as Molecular Magnetic Materials, Kwansai Gakuin University – School of Science and Technology, Sanda, Japan, October 11, **2014**. “Squarato-Bridging Copper(II) Complexes Derived from Polypyridyl Amine Ligands”.
21. Kascak, A.; Deb Adhikary, N.; Chistoserdov, A.; Louka, F. R.; Klerks, P. L. SETAC North America 35<sup>th</sup> Annual Meeting, Vancouver, Canada. November 9-13, **2014**. “The effect of bioturbation by the ghost shrimp *Lepidophthalmus louisianensis* on hydrocarbon degradation and distribution.”
22. Kascak, A.; Klerks, P. L.; Louka, F. R.; Satbhai, K. M.; Graziano, A.; Osman, S. Gulf of Mexico Oil Spill & Ecosystem Science Conference, Houston, TX, Feb., **2015**. “The interaction between benthic bioturbators and microbes on the fate of hydrocarbons in sediment – 1) sediment characteristics and PAH levels.”
23. Louka, F. R.; Mautner, F. A.; Massoud, S. S. 249<sup>th</sup> American Chemical Society National Meeting, Denver, CO, March 22-26, **2015**. “Carbonato-bridged copper(II) complexes formed via fixation of atmospheric CO<sub>2</sub>.”
24. Morandi, P.; Osman, S.; Klerks, P. L.; Louka, F. R. Society of Environmental Toxicology and Chemistry (SETAC) South Central Regional Annual Meeting Lafayette, LA, May 28 – 30, **2015**. “Investigating the effect of bioturbators vs. ecofriendly adsorbents on pyrene concentrations.”
25. Louka, F. R.; Osman, S.; Morandi, P.; Klerks, P. L. International Conference of Green Chemistry, Orlando, FL, September 14 – 16, **2015**. “Comparing the effect of ecofriendly adsorbents and bioturbators on the concentration pyrene.”