

**Constantinos Methenitis**  
Assistant Professor of Inorganic Chemistry

**Education**

B.Sc. in Chemistry, University of Thessaloniki (1981).

D.E.A. in Chemistry, U.S.T.L., Lille I, UER de Chimie, France (1982).

Ph.D. in Chemistry, U.S.T.L., Lille I, UER de Chimie, France (1985).

**Research Fields of interest**

1. Bioinorganic Chemistry. Transition metal complexes with drugs.
2. Catalysis. Application of transition-metal nanoparticles in catalysis.

**Teaching**

**Undergraduate:**

General and Inorganic Chemistry I (Course and Laboratory)

Inorganic Chemistry II

Bioinorganic Chemistry in Special Topics of Inorganic Chemistry courses.

**Graduate:**

Nanomaterials in Material Chemistry courses.

Circular Dichroism in Physical methods for structure determination courses.

Heterogeneous Catalysis.

**Book authorship**

"Inorganic Chemistry. B' The Elements". (Papasidi ed. 2002, in Greek, 4 co-authors).

" Experiments in General and Inorganic Chemistry" (Stamoulis ed. 2005, in Greek, 8 co-authors).

" Inorganic Chemistry. A' Basic Principles" (Stamoulis ed. 2005, in Greek, 3 co-authors).

"Basic Principles of Inorganic Chemistry." (Stamoulis ed. 2006, in Greek, 3 co-authors).

**Selected papers**

"Kinetic studies and mechanism of hydrogen peroxide catalytic decomposition by Cu(II) Complexes with polyelectrolytes derived from L-alanine and glycylglycine". Methenitis, C., Skounas, S., Pneumatikakis, G., Morcellet, M. Bioinorganic Chemistry and Applications 2010, art. no. 643120.

"Construction of a simple optical sensor based on air stable lipid film with incorporated urease for the rapid detection of urea in milk

Nikoleli, G.-P., Nikolelis, D.P., Methenitis, C. *Analytica Chimica Acta*, 2010, 675 (1), pp. 58-63.

"Spectroscopic studies on the anticancer antibiotic Altromycin H and the interaction with copper(II) ions". C.Menidiatis, C. Methenitis, N. Nikolis, G.Pneumatikakis. *J.Inorg. Biochem.* 2004,98,1795.

"Studies on the interaction of altromycin B and its Platinum(II) and Palladium(II) metal complexes with calf thymus DNA and nucleotides."  
N. Nikolis, C. Methenitis, G. Pneumatikakis *J.Inorg.Biochem.*, 2003, 95, 177-193.

"Copper coordination by polymers with glycyglycine, phenylalanine or methionine in the side chain: Potentiometric and viscosimetric study".  
Methenitis, C., Morcellet, J., Pneumatikakis, G., Morcellet, M. *Europ. Polym. J.* 2003, 39 (4), pp. 687-696.

'Interactions of the New Anticancer Antibiotic Altromycin B with Copper(II), Palladium(II) and Platinum(II) Ions and In Vitro Activity of the Formed Complexes.'  
N. Nikolis, C. Methenitis, G. Pneumatikakis, M. Fiallo, *J.Inorg. Biochem.*, 2002, 89, 131-141

"Polymers with Amino Acids in Their Side Chain : Conformation of Poly(N-Methacryloyl-L-Methionine)". C. Methenitis, G. Pneumatikakis, M. Pitsikalis, J. Morcellet, M. Morcellet. *J. Polym.Sci. Part A Polym. Chem.* 1995,33,2233-2239.

"Polymers Derived from Glycyglycine and Phenylalanine". C. Methenitis, G. Pneumatikakis, J. Morcellet, M. Morcellet. C. METHENITIS, J. MORCELLET, G. PNEUMATIKAKIS, M. MORCELLET. *Macromolecules*, 1994,27,1455 -1460.

"Complexation of a Polyelectrolyte Derived from Glutamic acid with Copper (II). Catalase - Like Activity of the Complexes". A. Lekchiri, M. Brigli, C. Methenitis, J. Morcellet-Sauvage, M. Morcellet. *J.Inorg. Biochem.*, 1991,44,229-238.