

## **Currículum Vitae**

Dr. José Raymundo Hugo Tlahuext Romero

tlahuext@uaem.mx

Teléfono: +52 777 329 79 97 Ext.6009

Doctorado en Química Orgánica, CINVESTAV-IPN (1994)

Lugar de adscripción: Centro de Investigaciones Químicas, Universidad Autónoma del Estado de Morelos desde 1994 a la fecha.

SNI: Nivel II

Profesor- Titular B

**Cuerpo Académico: Química Inorgánica y Supramolecular**

**Líneas de Investigación: Síntesis Orgánica, Química de Coordinación, ensamblajes supramoleculares.**

**Impartición de cursos, nivel licenciatura y posgrado:**

- Química General
- Química Orgánica
- Química Inorgánica

**Participación en diversos congresos**

**Publicaciones relacionadas con el área de Química Supramolecular**

1. Claudio-Catalán, M. Á.; Medrano, F.; Tlahuext, H.; Godoy-Alcántar, C. Crystal Structure of N, N'-Bis [2-((benzyl){[5-(Dimethylamino) Naphthalen-1-Yl] Sulfonyl} Amino) Ethyl] Naphthalene-1, 8: 4, 5-Tetracarboximide 1, 2-Dichlorobenzene Trisolvate. *Acta Crystallogr. Sect. E Crystallogr. Commun.* 2016, 72 (10), 1503–1508. DOI: 10.1107/S2056989016015188 PDF
2. Castrejón-Antúnez, Á. Y.; Mendoza-Mendoza, M.; Olea-López, D. I.; Medrano, F.; Tlahuext, H.; Guerrero-Álvarez, J.; Vargas-Pineda, G.; Godoy-Alcántar, C. Chlorodiphenyltin (IV) Dithiocarbamate Complexes as Chemodosimeters and Host for Anions and Neutral Compounds in Solution. *Polyhedron* 2016, 111, 132–142. DOI: 10.1016/j.poly.2016.03.035 PDF
3. Avila-Montiel, C.; Tapia-Benavides, A. R.; Falcón-León, M.; Ariza-Castolo, A.; Tlahuext, H.; Tlahuextl, M. Synthesis and Structural Studies of Amino Amide Salts Derived from 2-(Aminomethyl) Benzimidazole and  $\alpha$ -Amino Acids. *J. Mol. Struct.* 2015, 1100, 338–347. DOI: 10.1016/j.molstruc.2015.07.072 PDF
4. González-Juárez, E.; Güizado-Rodríguez, M.; Barba, V.; Tlahuext, H. Crystal Structure of 1, 3-Dicyclohexyl-1-[3-(Pyren-1-Yl) Propanoyl] Urea. *Acta Crystallogr. Sect. E Crystallogr. Commun.* 2015, 71 (10), o737–o738. DOI: 10.1107/S2056989015015996 PDF

5. Hernández-Ahuactzi, I. F.; Cruz-Huerta, J.; Tlahuext, H.; Barba, V.; Guerrero-Alvarez, J.; Höpfl, H. Tuning the Supramolecular Structure through Variation of the Ligand Geometry and Metal Substituents—Diorganotin Macrocyces and Coordination Polymers Derived from Cis- and Trans-1, 2-, 1, 3-, and 1, 4-Cyclohexanedicarboxylic and Cis, Cis-1, 3, 5-Cyclohexanetricarboxylic Acid. *Cryst. Growth Des.* 2015, 15 (2), 829–847. DOI: 10.1021/cg501629n. PDF
6. Medrano, F.; Lujano, S.; Godoy-Alcántar, C.; Tlahuext, H. Crystal Structure of 1, 3-Bis (1, 3-Dioxoisindolin-1-Yl) Urea Dihydrate: A Urea-Based Anion Receptor. *Acta Crystallogr. Sect. E Struct. Reports Online* 2014, 70 (11), 373–375. DOI: 10.1107/S1600536814022144 PDF
7. Falcón-León, M.; Tlahuext, H.; Lechuga-Islas, V.; Tlahuextl, M.; Martínez-Martínez, F. J.; Höpfl, H.; Tapia-Benavides, A. R. Synthesis and Structure of Zn(II) and Cu(II) Complexes Derived from 2-(Aminomethyl)benzimidazole and Glycine. *J. Coord. Chem.* 2014, 67 (11), 1873–1887 DOI: 10.1080/00958972.2014.930139. PDF
8. Falcón-León, M. P.; Tapia-Benavides, A. R.; Tlahuext, H.; Galán-Vidal, C.; Suarez-Castillo, O. R.; Tlahuextl, M. The Effect of ZnII Coordination on the Addition of 2-(Aminomethyl) Benzimidazole to Acrylonitrile. *Eur. J. Inorg. Chem.* 2014, 2014 (31), 5415–5423. DOI: 10.1002/ejic.201402346.
9. Santacruz-Juarez, E.; Cruz-Huerta, J.; Torres-Huerta, A.; Hernandez-Cruz, M. G.; Barba, V.; Tlahuext, H.; Höpfl, H. Stabilization of [(nBu<sub>2</sub>SnCl)(μ-Cl)<sub>2</sub>(ClSnBu<sub>2</sub>)] within the Solid-State Structure of a Chlorodi-N-Butyltin (IV) Dithiocarbamate. *J. Organomet. Chem.* 2014, 770, 121–129. DOI: 10.1016/j.jorganchem.2014.07.027 PDF.
10. Gutiérrez-Sanjuan, E.; Tlahuextl, M.; Falcón-León, M.; Tlahuext, H.; Marmolejo-Santillán, Y.; Tapia-Benavides, A. R. Syntheses and Structural Studies of Hexa- and Pentacoordinated Zn Complexes Derived from 2-(Aminomethyl) Benzimidazole and Water. *Struct. Chem.* 2014, 25 (5), 1385–1393. DOI: 10.1007/s11224-014-0416-4. PDF.
11. Torres-Huerta, A.; Höpfl, H.; Tlahuext, H.; Hernández-Ahuactzi, I. F.; Sánchez, M.; Reyes-Martínez, R.; Morales-Morales, D. Dinuclear Macrocylic Palladium Dithiocarbamates Derived from the Homologous Series of Aliphatic 1, x-Diamines (X= 4–10). *Eur. J. Inorg. Chem.* 2013, 2013 (1), 61–69. DOI:10.1002/ejic.201200955. PDF
12. Tlahuext-Aca, A.; Höpfl, H.; Medrano-Valenzuela, F.; Guerrero-Alvarez, J.; Tlahuext, H.; Ochoa Lara, K.; Reyes-Márquez, V.; Tlahuextl, M. Synthesis, Spectroscopic Characterization, DFT Calculations, and Dynamic Behavior of Mononuclear Macrocylic Diorganotin (IV) Bis-Dithiocarbamate Complexes. *Zeitschrift für Anorg. und Allg. Chemie* 2012, 638 (11), 1731–1738. DOI: 10.1002/zaac.201200099. PDF.
13. Navarrete-Vázquez, G.; Alaniz-Palacios, A.; Tlahuextl, M.; Bernal-Uruchurtu, M.; Tlahuext, H\*. Intramolecular Hypervalent C [Double Bond, Length as M-Dash] O··· S Interactions in a Series of 1, 3-Benzothiazole Derivatives. *CrystEngComm* 2012, 14 (4), 1256–1263. DOI: 10.1039/C1CE06106B PDF.
14. Tlahuext-Aca, A.; Medrano, F.; Tlahuext, H.; Roman-Bravo, P.; Godoy-Alcantar, C. Effect of Weak Sulfur Center Dot Center Dot Center Dot C (Pi) Interactions, and Hydrogen Bonds in Supramolecular Association of Chlorodiphenyltin (IV) Dithiocarbamate Complexes: Study of Their Stability in Solution. *Polyhedron* 2012, 33 (1), 223–234.
15. Tlahuext, H.; Reyes-Martínez, R.; Vargas-Pineda, G.; López-Cardoso, M.; Höpfl, H. Molecular Structures and Supramolecular Association of chlorodiorganotin(IV) Complexes

with Bis- and Tris-Dithiocarbamate Ligand. *J. Organomet. Chem.* 2011, 696 (3), 693–701  
DOI: 10.1016/j.jorganchem.2010.09.061. PDF