

## Journal of the Mexican Chemical Society

## Volume Index 53, 2009

## Articles

- Molecular Modeling Study of 2-Substituted Isoindoline Derivatives of  $\alpha$ -Amino Acids as Inhibitors of Lipoxigenase by Docking Simulations  
*Teresa Mancilla Percino, \* José Correa Basurto, Karla S. Alavés Carbajal, Nagchielli Valle-Sandoval, and José Trujillo Ferrara.* **1-6**
- Electrodeposition of Nickel Particles and their Characterization  
*Gerardo T. Martínez, \* Genaro Zavala, and Marcelo Videá* **7-11**
- Isocordoin Derivatives from the Root Extract of *Lonchocarpus xuul*  
*Alejandro Yam-Puc and Luis M. Peña-Rodríguez\** **12-14**
- Kinetics and Recovery of Xanthate-Copper Compounds by Ion Flotation Techniques  
*Martín Reyes, \* Francisco Patiño, Francisco J. Tavera, Ramiro Escudero, Isauro Rivera, and Miguel Pérez* **15-22**
- A Search for Structural Alternatives of RNA  
*Ramanarayanan Krishnamurthy* **23-33**
- Titrimetric and Spectrophotometric Assay of Pantoprazolein Pharmaceuticals Using Permanganate  
*Kanakapura Basavaiah, \* Nagaraju Rajendraprasad, Kalsang Tharpa, Urdigere Rangachar Anilkumar, Salamara Ganeshbhat Hiriyanna, and Kanakapura Basavaiah Vinay* **34-40**
- Oxidation of Some Organic Diols with Trialkylammonium fluorochromates(VI),  $R_3NH[CrO_3F]$ , ( $R = CH_3, C_2H_5, C_3H_7$  and  $C_4H_9$ ) at Room Temperature and Under Microwave Condition  
*Shahriar Ghammamy, \* S. Khorsandtabar, Ali Moghimi, and Hajar Sahebalzamani* **41-43**
- Secondary Metabolites from *Heliotropium angiospermum*  
*Gilda Erosa-Rejón, Luis M. Peña-Rodríguez, and Olov Sterner\** **44-47**
- Substituted Pyridopyrimidinones. Part 3. Synthesis of Some Novel Ether Derivatives of 4*H*-Pyrido[1,2-*a*]pyrimidin-4-one  
*Mohamed Abass, \* Mostafa M. Ismail, Wafaa R. Abdel-Monem, and Aisha S. Mayas* **48-54**
- Nucleophilic Addition of Potassium *O*-Ethyl Dithiocarbonate to Baylis-Hillman Adducts Using 9-BBN as Catalyst  
*Ilsa Hernández-Ibinarriaga, and Luis D. Miranda\** **55-58**
- Study of Sorption Equilibrium of Biopolymers Alginate Acid and Xanthan with C.I. Disperse Yellow 54  
*Juan Antonio Lozano-Álvarez, Juan Jáuregui-Rincón, \* Guillermo Mendoza-Díaz, Refugio Rodríguez-Vázquez and Claudio Frausto-Reyes* **59-70**
- Evaluation of Some Plant-derived Secondary Metabolites Against Sensitive and Multidrug-resistant *Mycobacterium tuberculosis*  
*María del Rayo Camacho-Corona, \* Juan Manuel de Jesús Favela-Hernández, Omar González-Santiago, Elvira Garza-González, Gloria María Molina-Salinas, Salvador Said-Fernández, Guillermo Delgado, and Julieta Luna-Herrera* **71-75**
- A Debt Repaid. Ernest L. Eliel's Life Made Possible by Five Years in Latin America\*  
*Jeffrey I. Seeman* **78-92**
- Efficient 'One Pot' Nitro Reduction-Protection of  $\gamma$ -Nitro Aliphatic Methyl Esters  
*Francisco D. Díaz-Coutiño, Jaime Escalante \** **93-95**
- On the Heats of Formation of Alkanes  
*Jenn-Huei Lii and Norman L. Allinger\** **96-107**
- Calculation of the Density and Detonation Properties of C, H, N, O and F Compounds: Use in the Design and Synthesis of New Energetic Materials  
*Rodney L. Willer* **108-119**
- Preparation and supporting on solid phase of chiral auxiliary (S)-4-(4-hydroxybenzyl)oxazolidin-2-one from L-tyrosinol assisted by Microwaves  
*Adriana Cruz and Ignacio A. Rivero\** **120-125**
- Side-chain opening of steroidal sapogenins to form 22-oxocholestanic skeletons. An approach to analogues of the aglycone of the potent anticancer agent OSW-1  
*María A. Fernández-Herrera, Jesús Sandoval-Ramírez, \* Socorro Meza-Reyes, and Sara Montiel-Smith.* **126-130**
- Photochemical Rearrangement of a 6-Azasteroid Oxaziridine to a Novel 17 $\beta$ -Carbomethoxy-A-homo-B-seco-6-aza-3, 5-androstanedione  
*Stephen Frye\** **131-133**
- Towards the Stepwise Assembly of Molecular Borromean Rings. A Donor-Acceptor Ring-in-Ring Complex  
*Ross S. Forgan, Jason M. Spruell, John-Carl Olsen, Charlotte L. Stern, and J. Fraser Stoddart\** **134-138**

- Allylic Proton-Proton Coupling in Stereodefined Alkylidenecyclobutanes and Alkylidenecyclopentanes  
*William F. Bailey\* and Timo V. Ovaska\** **139-142**
- On the Origin of the Conformationally Non-Interconvertible Isomers of Bisphenylrhodium(III) Caprolactamate  
*Jian-Hua Xie and Michael P. Doyle\** **143-146**
- Optimized Methodologies in Asymmetric Organic Synthesis Applying Microwaves  
*Yamir Bandala, Roberto Melgar-Fernández, Ramón Guzmán-Mejía, José Luis Olivares-Romero, Blanca Rosa Díaz-Sánchez, Rodrigo González-Olvera, Jorge Vargas-Caporalí, and Eusebio Juaristi\** **147-154**
- The Quest for Relationships between Conformation and Chiroptical Properties: From Solution to Solid State  
*Ernesto Brunet\*, Hussein M.H. Alhendawi, Olga Juanes, and Juan Carlos Rodríguez-Ubis* **155-162**
- Carbene Spin Multiplicity in Solution Probed Using Time-Resolved EPR Spectroscopy  
*Jin Wang, Natalia V. Lebedeva, Matthew S. Platz, and Malcolm D. E. Forbes\** **163-168**
- A New Method to prepare an e,e,e Trisadduct of C<sub>60</sub> Using a Protection-Deprotection Sequence  
*Álvaro Duarte-Ruiz, Luis Echegoyen, \*Adriana Aya and Fernando Gómez-Baquero* **169-173**
- Stereochemical Studies on the Addition of Allylsilanes to Aldehydes The S<sub>E</sub>' Component  
*Scott E. Denmark\* and Neil G. Almstead* **174-192**
- Sesquiterpene Lactones, Acyl Phenyl Propanoids and Other Constituents from *Schkuhria pinnata* var. *wislizeni*. Antioxidant Evaluation  
*Alejandra León, Blanca M. Reyes, María Isabel Chávez, Rubén A. Toscano, and Guillermo Delgado\** **193-200**
- Rapid and Sensitive Spectrophotometric Method for the Determination of the Trace Amount of Thallium (III) in Water and Urine Samples by New Oxidative Coupling Reaction  
*Padmarajaiah Nagaraja, \*Naef Ghllab Saeed Al-Tayar, Anantharaman Shivakumar, Ashwinee Kumar Shrestha, and Avinash K. Gowda* **201-208**
- Crown Ether Ditopic Receptors for Ammonium Salts with High Affinity for Amino Acid Ester Salts  
*Sharon Rosete-Luna, Felipe Medrano, Margarita I. Bernal-Uruchurtu, and Carolina Godoy-Alcántar\** **209-219**
- Reactions of Vinylcyclopropane and Bicyclopropyl compounds with Maleic Anhydride  
*C. K. Jankowski, \*A. Pelletier, E. Diaz, J.M.R. Belanger, J.R. J. Paré, C. Lamouroux, and J. Boivin* **220-228**
- Chemical Constituents of *Psacalium sinuatum*  
*Amira Arciniegas, Ana L. Pérez-Castorena, \*Antonio Nieto-Camacho, José Luis Villaseñor, and Alfonso Romo de Vivar* **229-232**
- Kinetic Study on Methanol Dehydration to Dimethyl Ether Applying Clinoptilolite Zeolite as the Reaction Catalyst  
*Maryam Kasaie and Morteza Sohrabi\** **233-238**
- Uranium Sorption on "Tezontle" Volcanic Rock  
*María Eugenia López Muñoz, \*Juana María Durán Blanco, José Luis Iturbe García, and María Teresa Olguín Gutiérrez* **239-242**
- Zinc Electrodeposition from Chloride Solutions onto Glassy Carbon Electrode  
*Luis Humberto Mendoza-Huizar, \*Clara Hilda Ríos-Reyes, María Guadalupe Gómez-Villegas* **243-247**
- Characterization of Copolymer Based in Polyurethane and Polyaniline (PU/PANI)  
*Norma Aurea Rangel Vázquez, \*René Salgado Delgado, Edgar García Hernández, and Ana María Mendoza-Martínez* **248-252**
- Editorial**
- Special Issue of the *J. Mex. Chem. Soc.* in Honor of Dr. Ernest L. Eliel (1921-2008)  
*Eusebio Juaristi, Joaquín Tamariz, Guillermo Delgado* **77**
- Account**
- The Cosmochemical Record of Carbonaceous Meteorites: An Evolutionary Story  
*Sandra Pizzarello\** **253-260**