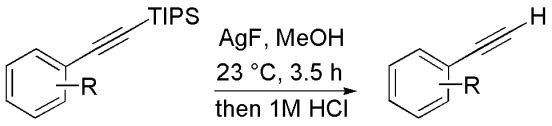
JOURNAL *of the* MEXICAN
CHEMICAL
SOCIETY
(J. Mex. Chem. Soc.)

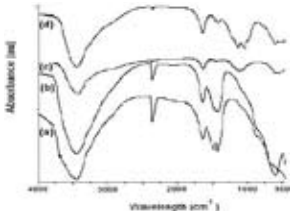
Table of Contents

Articles

133-136 **Studies on the Deprotection of Triisopropylsilylarylacetylene Derivatives**
*Ismael Valois Escamilla, Luis Felipe Rangel Ramos, Javier Sánchez Escalera, and Alejandro Álvarez Hernández**

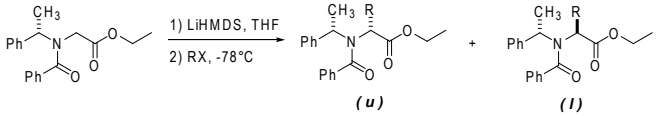


137-141 **Adsorption of Basic Chromium Sulfate Used in the Tannery Industries by Calcined Hydrotalcite**
Beatriz Eugenia López Muñoz, Roberto Rivera Robles, José Luis Iturbe García, and María Teresa Olguín Gutiérrez*

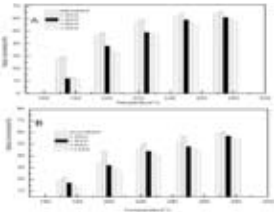


142-147 **Chemical Reactivity of Atrazine Employing the Fukui Function**
Luis Humberto Mendoza-Huizar, and Clara Hilda Rios-Reyes*

148-153 **Diastereoselective Alkylation of Chiral Glycinate Derivatives Containing the α-Phenylethyl Group**
Cristina Rodríguez-Garnica, Heraclio López-Ruiz, Susana Rojas-Lima, Alejandro Álvarez-Hernández, Rafael Tapia-Benavides, and María Concepción García-López*



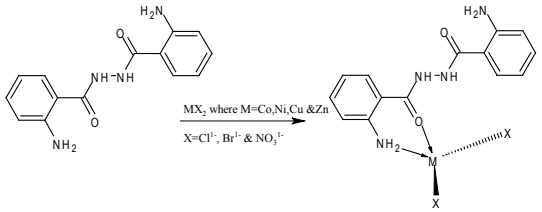
154-163 **Effects of γ-Irradiation and Ageing on Surface and Catalytic Properties of Nano-sized CuO/MgO System**
Sahar A. El-Molla, Sahar A. Ismail and Marwa M. Ibrahim*



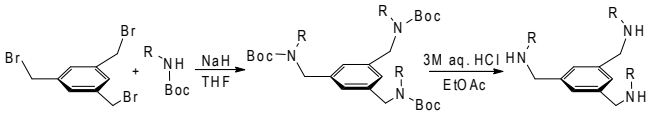
*The asterisk indicates the name of the author to whom inquires about the paper should be addressed

Table of Contents

164-167 Synthesis and Characterization of Ni(II), Cu(II) and Zn(II) Tetrahedral Transition Metal Complexes of Modified Hydrazyne
Saeed-Ur-Rehman, Muhammad Ikram, Sadia Rehman, Nazar Ul Islam, and Nazir Jan*



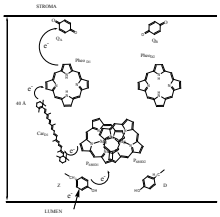
168-175 Synthesis of Nitrogen-, Oxygen- and Sulphur-containing Tripodal Ligands with a Trimethylbenzene Core
Heraclio López-Ruiz, Mayra Cortés-Hernández, Susana Rojas-Lima, and Herbert Höpfl*



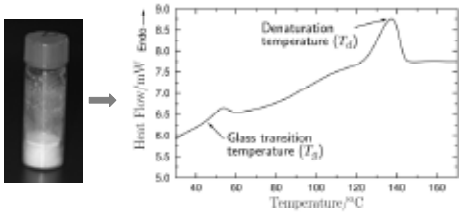
176-180 Immobilization of *Thermomyces lanuginosus* Lipase in PVA-alginate Beads
Brenda Rogelina Cruz-Ortiz, Leopoldo Javier Ríos-González, Yolanda Garza García, José Antonio Rodríguez de la Garza, and Jesús Rodríguez-Martínez*

PVA:sodium alginate	*Initial reaction rate (mmol/min)*	*Immobilization Percentage*
11:1	$7.1 \times 10^{-5} \pm 2.1 \times 10^{-4}$	94.5%± 0.1
12:1	$6.5 \times 10^{-5} \pm 4.5 \times 10^{-4}$	97.1%± 0.4
12.5:1.5	$5.4 \times 10^{-5} \pm 2.6 \times 10^{-4}$	98.3%± 0.1

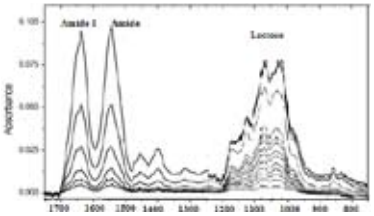
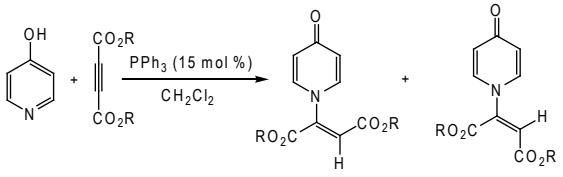
181-184 Membrane Model to Explain the Participation of Carotens and the Changes in Energy in Photosynthesis
Federico García-Jiménez, José Luis Sánchez Millán, Yolanda Castells, and Ofelia Collera*



185-189 Preservation Effect of Vitreous non Reducing Carbohydrates on the Enzymatic Activity, Denaturation Temperature and Retention of Native Structure of Lysozyme
Luz María Martínez, Marcelo Videa, Francisco Mederos, and Yanel de Moral*



190-193 Application of Infrared Spectroscopy to the Monitoring of Lactose and Protein From Whey After Ultra and Nano Filtration Process
Myrna Solís-Oba, Ogilver Teniza-García, Marlon Rojas-López, Raúl Delgado-Macuil, Joel Díaz-Reyes, and Rosario Ruiz*



194-196 Synthesis of Dialkyl 2-(4-oxopyridin-1(4*H*)-yl)dicarboxylates Through the Reaction of 4-hydroxypyridine and Dialkyl Acetylenedicarboxylate in the Presence of Triphenylphosphine
Bita Mohtat, Zohre Najafi Azar, Semiramis Nahavandian, Hoorieh Djahaniani, and Abbas Ahmadi