



The Journal of the Argentine Chemical Society **Anales de la Asociación Química Argentina**

Edited since 1913

Editor-in-Chief

Dr. José Alberto Caram (INIFTA)

Co-Editor

Dr. Claudio Gervasi (INIFTA)

Associate Editors

Prof. Cristina Añón (CIDCA) – Prof. Carlos Brondino (UNL) – Prof. Luis Bruno Blanch (UNLP) –
Prof. Rita Hoyos (UNC) – Prof. Alejandro Olivieri (UNR) – Prof. Roberto C. Salvarezza (INIFTA)
– Prof. Luis Wall (UNQ) – Prof. Roberto J.J. Williams (UNMDP)

International Scientific Advisory Board

Prof. Carlos Bunge (México) – Prof. Imre Csizmadia (Canada) – Prof. Sylvio Canuto (Brazil) –
Prof. Juan M. Diez Tascón (Spain) – Prof. José Elguero (Spain) – Prof. Joseph T. Golab (US) –
Prof. Osvaldo Goscinski (Sweden) – Ivan Gutman (Yugoslavia) – Prof. David A. Micha (US) –
Prof. Arsenio Muñoz de la Peña (Spain) – Prof. Andrey A. Toporov (Uzbekistan) – Prof. Francisco
T. Vert (Spain) – William A. Steele (US)

e-mail: jacs@inifta.unlp.edu.ar

Intellectual property registry No. 164.756

Asociación Química Argentina

Sánchez de Bustamante 1749, 1425 Buenos Aires, Argentina

TE/FAX: 54-11-4822-4886

<http://www.aqa.org.ar>

Contents

Vol. 98 January – December 2011

Regular papers

- Characterization of *Jatropha Curcas L.* seed and its oil, from Argentina and Paraguay.
J.M. Montes, M. Rodríguez Aliciardi, J. Vaca Chávez, C. Guzmán and E. Calandri. pp. 1-9
- Determination of ergosterol in cellular fungi by HPLC. A modified technique.
V. M. Chiocchio, and L. Matković. pp. 10-15
- Development and validation of a gas chromatography method for the simultaneous determination of multicomponents during monoglyceride synthesis by glycerolysis of methyl oleate: application to homogeneous and heterogeneous catalysis.
Cristián A. Ferretti, Carlos R. Apesteguía, and J. Isabel di Cosimo. pp. 16-28
- Effect of acid oxidation treatment on adsorption properties of arc-discharge synthesized multiwall carbon nanotubes.
José L. Vicente, Alberto Albesa, Jorge L. Llanos, Ethel S. Flores, Abel E. Fertitta, Delia B. Soria, M. Sergio Moreno and Matías Rafti. pp. 29-38
- Evaluation of *Tagetes Minuta L.* essential oils to control *Varroa destructor* (Acari: Varroidae).
Ester R. Chamorro, Alfredo F. Sequeira, Gustavo A. Velasco, María F. Zalazar and Griselda A. Ballerini. pp. 39-47
- Preparation and characterization of catalysts based on Cassiterite (SnO₂) and its application in hydrogenation of methyl esters.
A. Castro-Grijalba, J. Urresta, A. Ramirez, and J. Barrault. pp. 48-59
- The full non-rigid group theory for Trimethylborane with C_{3v}, C_{3h} and Cs point groups..
T. Karimi, M. Eslami Moghadam, M. Farrokhi D. G. and M. Aghaei, pp. 60-70
- Vibrational spectra of the α -M^{II}C₂O₄.2H₂O oxalato complexes, with M^{II} = Co, Ni, Zn.
Alejandra Wladimirsky, Daniel Palacios, María C. D'Antonio, Ana C. González-Baró and Enrique J. Baran. pp.71-77