



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

Edited since 1913

Editor-in-Chief

Prof. Reynaldo O. Lezna
(National Science Research Council)

Associate Editors

Prof. Cristina Añón (La Plata National University) – Prof. Carlos Brondino (Littoral National University) – Prof. Luis Bruno Blanch (La Plata National University) – Prof. Rita Hoyos (Cordoba National University) – Prof. Alejandro Olivieri (Rosario National University) – Prof. Roberto C. Salvarezza (National Science Research Council) – Prof. Luis Wall (Quilmes National University) – Prof. Roberto J.J. Williams (Mar del Plata National University)

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. Norma Tacconi (US) – Prof. Andrey A. Toporov (Uzbekistan) – Prof. Francisco Tomás Vert (Spain) – William A. Steele (US)

Secretariat

Dr. Ricardo I. Tucceri (La Plata National University)

E-mail: anales@inifta.unlp.edu.ar

Intellectual property registry No. 164.756

Asociación Química Argentina

Sánchez de Bustamante 1749, Buenos Aires (C1425DUI), Argentina

TE/FAX: 54-11-4822-4886

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

On the Cover

Euclidean graph of Bis Benzene Chromium (0), Fig. 2, page 51, Hamadani et al.

Contents

Vol. 94 (4-6) July – Dec., 2006

Regular Papers

- Mean Amplitudes of Vibration of the BrO_3F_2^- Anion
Baran, E. J. pp. 1-4
- Synthesis, Growth and Characterization of New 1,3,4 -Thiadiazole-5-
(N-Substituted)-Sulfonamides Crystals
Camí, G.E.; Ramírez de Arellano, M.del C.; Fustero, S.; Pedregosa, J.C. pp. 5-17
- Aggregation in Dodecyltrimethylammonium Bromide –
Didodecyldimethylammonium Bromide Aqueous Mixtures
Proverbio, Z.E.; Messina, P.V.; Ruso, J.; Prieto, G.; Schulz, P.C.; Sarmiento, F. pp. 19-30
- QSPR Evaluation of Thermodynamic Properties of Acyclic and Aromatic
Compounds
Duchowicz, P.R.; Castro, E.A.; Fernández, F.M.; Pankratov, A.N. pp. 31-45
- On the Symmetry of Bis Benzene Chromium(0) with D_{6d} Point Group
Hamadani, M.; Ashrafi, A.R. pp. 47-53
- Surface Resistance Study of the Different Interactions of ClO_4^- , SO_4^{2-} , $\text{C}_6\text{H}_5\text{SO}_3^-$
and Cu(II) with a Gold Surface Partially Blocked with Poly(-O-Aminophenol)
Tucceri, R. pp. 55-70
- Scale-Up of a Pilot Plant for Adsorption of Heavy Metals
Moreno-Piraján; J.C.; Rangel, D.; Amaya, B.; Vargas, E.M.; Giraldo, L. pp. 71-82
- Determination of Lead in the Parana River by Solid Phase Spectrophotometry
Pellerano, R.G.; Romero, C.H.; Acevedo, H.A.; Vazquez, F.A.;
Marchevsky, E.J. pp. 83-90

Letter

- Mercury Contamination of Workers of Gold Processing Centres at El Callao,
Venezuela
Carrasquero-Durán, A. pp. 91-100

FROM THE EDITOR

The journal returns at the end of the year to its usual format featuring works of a variety of themes. Just to name a few, calculations of vibration amplitudes and bond properties of novel compounds, different applications of graph theory, environmental topics: detection of contaminants and remediation strategies, synthesis and characterization of new compounds with potential therapeutic properties, studies of surfactants of interest in industrial and biological applications, etc.

During the last years the use of the English language in the Journal has become established, opening up the possibility of international contributions and giving access to a wider audience. Besides, the number of associate editors, a vital asset to the magazine, has been increased.

The editorial is pleased to have been able to prepare special issues in homage of well-known scientists, reviewing the outstanding careers of Professors H. J. Schumacher, P. J. Aymonino and I. Czismadia. The recent inclusion of the Journal in the **Scielo (Scientific Electronic Library on Line)** database is also worth mentioning. The Journal is also indexed in Chemical Abstracts.

Let me just convey once more my many thanks to the associate editors and authors for their hard-working assistance in putting together this publication.

As the Journal is nearing its 100th birthday, I deeply wish it will continue to demonstrate the interest and ability of the AQA to disseminate relevant scientific research.

At the end of my tenure I would like to remark I have really enjoyed the privilege of serving as editor of the J.Argent.Chem.Soc., it is always interesting to be involved in preserving non-profit, learning organizations.

Keep in touch with the Journal,

Reynaldo O. Lezna
Editor-in-Chief