

# Talanta

The International Journal of Pure and Applied Analytical Chemistry

---

## Editors-in-Chief

**Professor G.D. Christian**, University of Washington, Department of Chemistry, 36 Bagely Hall, P.O. Box 351700, Seattle, WA 98195-1700, U.S.A.

**Professor J.-M. Kauffmann**, Université Libre de Bruxelles (ULB), Faculty of Pharmacy, Campus Plaine CP 205/6, Boulevard du Triomphe, B-1050 Brussels, Belgium, Fax: +32 2 650 5225, Tel: +32 2 650 5215, Email: talanta@ulb.ac.be

## Associate Editors

**Professor J.-H. Wang**, Research Center for Analytical Sciences, Northeastern University, Box 332, Shenyang 110004, China

**Professor J.L. Burguera**, Los Andes University, IVAIQUIM, Faculty of Sciences, P.O. Box 542, 5101-A Mérida, Venezuela

## Assistant Editors

**Dr R.E. Synovec**, Department of Chemistry, University of Washington, Box 351700, Seattle, WA 98195-1700, U.S.A.

**Ms. Dominique (D.) Mertens**, Université Libre de Bruxelles, Faculty of Pharmacy, Service de Chimie Analytique Instrumentale et, Bioélectrochimie, Campus Plaine CP 205/6, Boulevard du Triomphe - B-1050 Brussels, Belgium, Email: dmertens@ulb.ac.be, Tél : +32 (0)2 650 52 47, Fax : +32 (0)2 650 52 25

## Advisory Board

*Chairman:* Professor J.D. Winefordner, Gainesville, FL, U.S.A.

## Talanta

R. Apak (Istanbul, Turkey)  
E. Bakker (Auburn, AL, U.S.A.)  
D. Barceló (Barcelona, Spain)  
B. Birch (Luton, UK)  
J.-L. Capelo-Martinez (Caparica, Portugal)  
O. Chailapakul (Thailand)  
D.S. Chung (Seoul, Korea)  
S. Cosnier (Grenoble, France)  
M. del Valle (Barcelona, Spain)  
A.A. Galal (Giza, Egypt)  
A.G. Gonzales (Seville, Spain)  
P. Hubert (Liège, Belgium)  
J. Kalivas (Pocatella, ID, U.S.A.)

A.A. Karyakin (Moscow, Russia)  
S. Kolev (Melbourne, Australia)  
J.-M. Lin (Beijing, China)  
S. Motomizu (Okayama, Japan)  
R. Niessner (München, Germany)  
J.A. Nobrega (São Carlos, SP, Brazil)  
A.C. Olivieri (Rosario, Argentina)  
S. Ozkan (Ankara, Turkey)  
J.-M. Pingarron (Madrid, Spain)  
M.D. Porter (Salt Lake City, UT, U.S.A.)  
V. Remcho (Corvallis, OR, U.S.A.)  
M. Shamsipur (Kermanshah, Iran)  
Y.-H. Shao (Beijing, China)

P. Solich (Hradec Králové, Czech Republic)  
D.G. Themelis (Thessaloniki, Greece)  
K. Thurbide (Calgary, AB, Canada)  
D.L. Tsalev (Sofia, Bulgaria)  
B. Walczak (Katowice, Poland)  
J. Wang (Tempe, AZ, U.S.A.)  
J.D. Winefordner (Gainesville, FL, U.S.A.)  
X.-H. Xia (Nanjing, China)  
X.-P. Yan (Tianjin, China)  
E.A.G. Zagatto (Piracicaba, SP, Brazil)  
X. Zhang (Beijing, China)

---

Volume 100(2012)



ELSEVIER

Amsterdam – Boston – London – New York – Oxford – Paris – Philadelphia – San Diego – St. Louis