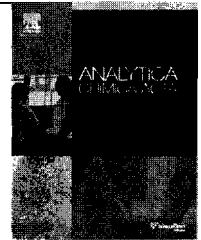




ELSEVIER

available at www.sciencedirect.comjournal homepage: www.elsevier.com/locate/aca

CONTENTS

(Full texts are incorporated in CJELSEVIER, a file in the Chemical Journals Online database available on STN International; Abstracted, indexed in: Aluminium Abstracts; Anal. Abstr.; Biol. Abstr.; BIOSIS; Chem. Abstr.; Curr. Contents Phys. Chem. Earth Sci.; Engineered Materials Abstracts; Excerpta Medica; Index Med.; Life Sci.; Mass Spectrum. Bull.; Material Business Alerts; Metals Abstracts; Sci. Citation Index). Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.

Special Issue:

Papers presented at the 4th International Symposium on Separation and Characterization of Natural and Synthetic Macromolecules (SCM-4)

Preface	
P. Schoenmakers (Amsterdam, The Netherlands) and R. Smits (Oostduinkerke, Belgium)	1
Chemometrics	
Comparative analysis of the electrostatics of the binding of cationic proteins to vesicles: Asymmetric location of anionic phospholipids	
F. Torrens and G. Castellano (València, Spain)	2
Extraction and Sample Handling	
Characterization of the morphology of co-extruded, thermoplastic/rubber multi-layer tapes	
R.M.A. l'Abée, A.M.J.T. Vissers, J.G.P. Goossens, A.B. Spoelstra (Eindhoven, The Netherlands) and M. van Duin (Eindhoven, The Netherlands and Geleen, The Netherlands)	11
Mass Spectrometry	
Rapid methods of polymer and polymer additives identification: Multi-sample solvent-free MALDI, pyrolysis at atmospheric pressure, and atmospheric solids analysis probe mass spectrometry	
S. Trimpin, K. Wijerathne (Detroit, MI, USA) and C.N. McEwen (Philadelphia, PA, USA)	20
Characterisation of archaeological waterlogged wood by pyrolytic and mass spectrometric techniques	
J.J. Łucejko, F. Modugno, E. Ribechini (Pisa, Italy) and J.C. del Río (Seville, Spain)	26
Molecular Spectrometry	
Non-invasive analysis of swelling in polymer dispersions by means of time-domain(TD)-NMR	
N. Nestle and K. Häberle (Ludwigshafen, Germany)	35
Identification and quantification of polycarboxylates in detergent products using off-line size exclusion chromatography-nuclear magnetic resonance	
I. Visser, M. Klinkenberg, P. Hoos, H.-G. Janssen and J. van Duynhoven (Vlaardingen, The Netherlands)	40
Improved compositional analysis of block copolymers using Diffusion Ordered NMR Spectroscopy	
S. Viel, M. Mazarin, R. Giordanengo, T.N.T. Phan, L. Charles, S. Caldarelli and D. Bertin (Marseille, France)	45
Structural characterization of a poly(methacrylic acid)-poly(methyl methacrylate) copolymer by nuclear magnetic resonance and mass spectrometry	
R. Giordanengo, S. Viel (Marseille, France), M. Hidalgo, B. Allard-Breton (Pierre-Bénite, France), A. Thévand and L. Charles (Marseille, France)	49
Separation Method	
Identification and quantitation of trace impurities in fatty alcohol ethoxylates using HPLC and MALDI-TOF mass spectrometry	
D. Lee (Golden, CO, USA), S. Rumbelow (New Castle, DE, USA) and S.K.R. Williams (Golden, CO, USA)	59
Enzymatic determination of cholesterol and triglycerides in serum lipoprotein profiles by asymmetrical flow field-flow fractionation with on-line, dual detection	
D.C. Rambaldi, P. Reschiglian, A. Zattoni (Bologna, Italy and Rome, Italy) and C. Johann (Dernbach, Germany)	64

Comparison of adsorption equilibrium of fructose, glucose and sucrose on potassium gel-type and macroporous sodium ion-exchange resins C. Nobre, M.J. Santos, A. Dominguez (Braga, Portugal), D. Torres (Braga, Portugal and Caldas das Taipas, Portugal), O. Rocha (Caldas das Taipas, Portugal), A.M. Peres (Bragança, Portugal), I. Rocha (Braga, Portugal and Caldas das Taipas, Portugal), E.C. Ferreira, J.A. Teixeira (Braga, Portugal) and L.R. Rodrigues (Braga, Portugal and Caldas das Taipas, Portugal)	71
Optimal gradient operation in comprehensive liquid chromatography × liquid chromatography systems with limited orthogonality F. Bedani, W.Th. Kok (Amsterdam, The Netherlands) and H.-G. Janssen (Amsterdam, The Netherlands and Vlaardingen, The Netherlands)	77
Fractionation of human serum lipoproteins and simultaneous enzymatic determination of cholesterol and triglycerides R.N. Qureshi, W.Th. Kok and P.J. Schoenmakers (Amsterdam, The Netherlands)	85
A rapid separation method for gel content determination in pressure sensitive adhesive dispersions and acrylic-based latices for an industrial setting C.A. Lohmann, W.G. Haseltine (Stamford, CT, USA), J.R. Engle and S.K.R. Williams (Golden, CO, USA)	92
Calendar of forthcoming meetings	I