



Short Biography

Pat J. Sandra

Pat J. Sandra (born 20 October 1946 in Kortrijk, Belgium) received his M.S. Degree in Chemistry in 1969 and his Ph.D. in Sciences in 1975 from the Ghent University, Belgium. Since then, he has been on the Faculty of Sciences at the same University where he is currently Professor in Separation Sciences at the Department of Organic Chemistry. In 1986 he founded the Research Institute for Chromatography in Kortrijk, Belgium, a center of excellence for research and education in chromatography, mass spectrometry and capillary electrophoresis. He is currently also extraordinary professor at the Department of Chemistry at the University of Stellenbosch, South Africa, at the Department of Analytical Chemistry, Evora, Portugal and director of the Pfizer Analytical Research Center at the Ghent University.

Pat Sandra is active in all fields of separation sciences (GC, LC, SFC and CE) and major areas of his research are high-throughput, high-resolution, miniaturization, hyphenation and automation to study chemicals, pharmaceuticals, natural products and pollution.

Sampling and sample preparation is also a topic of intensive research. New developments in this respect allowed the construction of fully automated analytical systems enhancing the robustness for the determination of pesticide traces and toxin residues. The “Twister” also originates from his research activities.

He is the author or co-author of more than 400 scientific papers and contributed in books on High Resolution GC, Sample Introduction in Capillary GC, Essential Oil Analysis, Micellar Electrokinetic Chromatography and Water Analysis.

Pat Sandra is the chairman of the International Symposium series : “International Symposium on Capillary Chromatography”, “Hyphenated Techniques in Chromatography” and “HPLC 2007”.

He was the recipient of the 1989 Tswett Award (Russia), the 1994 Dal Nogare Award (USA), the 1994 Martin Gold Medal (Chromatographic Society, UK), the 1995 Golay Award (USA), the 1996 Colacro Medal (Venezuela), the A1 Professor status in South Africa (2000), the 2001 Memorial Medal of the Slovak Chemical Society (Slovak Republic), the 2004 ISEO Award (Sicily, Italy), the 2004 Chromatography Award (Buffelspoort, South Africa), the Honours Diploma from the Slovak Pharmaceutical Society –2005 (Slovak Republic) and the American Chemical Society Chromatography Award 2005 (USA). He also received the doctor honoris causa title in Pharmacy from the University of Turin, Italy (2004) and in Food Chemistry and Safety from the University of Messina, Italy (2007). He was appointed honorary professor at the Dalian Institute for Chemical Physics, Chinese Academy of Sciences, June 2007. In 2008, he received the EAS Award in Chromatography (New Jersey, USA), the CASSS Award for Innovative Contributions to Separation Science (California, USA) and the Jan Weber Award for Innovations in Pharmaceutical Analysis (Slovak Republic).

Curriculum Vitae
Pat J.F. Sandra
Professor of Chemistry

Department of Organic Chemistry
Ghent University
Krijgslaan 281-S4
B-9000 Ghent, Belgium

Phone: 32-92-644462/32-56-204031
Fax: 32-92-644998/32-56-204859
e-mail: pat.sandra@UGent.be
pat.sandra@richrom.com

EDUCATION

B.Sc. Ghent University, Belgium, Chemistry, 1967
M.Sc. Ghent University, Belgium, Organic Chemistry, 1969
Ph.D. Ghent University, Belgium, Sciences, 1975

PROFESSIONAL

01-01-1976 Assistant Professor, Ghent University, Belgium
01-12-1980 Associated Professor, Ghent University, Belgium
01-02-1986 Sabbatical
Founder and Director of the Research Institute for
Chromatography, Kortrijk, Belgium
01-02-1988/present Professor, Ghent University, Belgium
01-12-1991/31-12-2000 Professor, Eindhoven University of Technology,
The Netherlands
01-01-1998/31-12-2005 Professor, University of Stellenbosch, South Africa
01-05-2001 Founder and Director of the Research Institute for
Chromatography - France, Lille, France
01-12-2003 Co-founder and Director of The Pfizer Analytical
Research Centre at Ghent University
01-08-2006 Extraordinary Professor University of Evora, Portugal
01-10-2006 Extraordinary Professor University of Stellenbosch,
South Africa

SCIENTIFIC CAREER

Awards

1989 Tswett Award, Russian Academy of Sciences, Russia
1994 Dal Nogare Award, Chrom. Group Delaware Valley, USA
1994 Martin Gold Medal, Chromatographic Society, U.K
1995 M. Golay Award, Perkin Elmer and ISCC, Virginia, USA

- 1996 Colacro Medal, Venezuela
- 1999 A1 Professor in South Africa nominated by the National Research Foundation
- 2001 Memorial Medal, Slovak Chemical Society, Slovakia
- 2004 ISEO Award (Sicily, Italy),
- 2004 Chromatography Award (Buffelspoort, South Africa),
- 2004 Doctor honoris causa in Pharmacy at the University of Turin, Italy (2004).
- 2005 Honours Diploma from the Slovak Pharmaceutical Society –(Slovak Republic)
- 2006 American Chemical Society Chromatography Award 2005 (USA).
- 2007 Doctor honoris causa in Food Chemistry and Safety at the University of Messina, Italy.
- 2008 Honorary professor at the Dalian Institute for Chemical Physics, Chinese Academy of Sciences.
- 2008 EAS Award in Chromatography (New Jersey, USA).
- 2008 CASSS Award for Innovative Contributions to Separation Science (California, USA).
- 2008 Jan Weber Award for Innovations in Pharmaceutical Analysis (Slovak Republic).

Scientific and Organizing Committees

- Chairman of the Symposium series Capillary Chromatography (1983-present)
- Chairman of the Foundation International Organization for the Promotion of Microcolumn Separations.
- Chairman of the Symposium Hyphenated Techniques in Chromatography (2002)
- Member of the Committee COLACRO : Organization for the Promotion of Chromatography in Latin-America.
- Chairman of "Cercle des Sciences Analytiques : Méthodes Séparatives", Paris, France.

Editor

- Journal of High Resolution Chromatography (Editor in Chief till December 1990)
- Journal of Microcolumn Separations (till December 2000).
- Proceedings International Symposium on Capillary Chromatography (1983-2002).
- Editorial Board or Advisory Board member of several journals, e.g. LC.GC Magazine, LC.GC Europe, J. Separation Sciences, Chromatographia, J. Chromatogr. A, etc.

International Collaboration

- Coordinator of TEMPUS 0379, an educational program for East European countries " High Resolution Separation Techniques "
- Co-coordinator Capital and Mobility Program from the European Community " Hyphenated Analytical Chemistry for Environmental and Public Health Research in the European Community."

Past research and current research objectives

Pat Sandra and his research groups have been active in all modern separation techniques i.e. capillary gas chromatography, liquid chromatography, supercritical fluid chromatography, capillary electrophoresis, micellar electrokinetic chromatography and capillary electrochromatography. Also sample preparation, automation and detection were studied. Important developments were made in sample preparation (stir bar sorptive extraction – patent), high temperature capillary GC, immobilization of GC phases, coupled techniques especially with mass spectroscopy

and inductively coupled plasma mass spectroscopy, etc. The developed methods were applied in natural product research, environmental analysis, enantioselective synthesis, pharmaceutical analysis, etc. In this framework he offered the Belgian government quick analytical solutions to solve for the 1999 Belgian Dioxin crisis

Current research concerns the development of separation methods to analyze combinatorial libraries, volatiles emitted by living plants and glycoproteins. New strategies are presently developed for air monitoring. An important new development (paper in print) concerns the development of an automated system to monitor more than 350 pesticides in water samples and foodstuffs. Based on his research activities Pfizer has established a Centre of Excellence in Pharmaceutical Analysis with Pat Sandra as director. Key words are high throughput, productivity, green chromatography and innovation.

Publications

More than 400 contributions in international journals, national journals, books, etc. He is also the editor of the Proceedings of the International Symposium on Capillary Chromatography (1983-2004) containing more 25.000 pages.

Publications with peer review

(as downloaded from the website Institute for Scientific Information)

See annex – ISI-Citation Databases

Books

High Resolution Gas Chromatography (K. Hyver and P. Sandra)
Publ. Hewlett Packard, No. 5950-3562, page number 320, 1989.

High Resolution Gas Chromatography (Japanese translation – K. Hyver and P. Sandra)
Publ. Yokogawa, Japan, page number 320, 1990.

Introduction to Micellar Electrokinetic Chromatography (J. Vindevogel and P. Sandra)
Publ. Hüthig Buch Verlag Heidelberg, Germany, page number 231, 1992.

Water Analysis (R. Soniassy, P. Sandra and C. Schlett)
Publ. Hewlett Packard, No. 5962-6216E, page number 275, 1994.

Chapters in books (1998)

P. Sandra, A. Medvedovici, A. Kot, F. David.
Selectivity Tuning in Packed Column Supercritical Fluid Chromatography.
Supercritical Fluid Chromatography with Packed Columns **1998**, Vol. 75, 161-194, Ed. K. Anton and C. Berger, Publ. Chromatographic Science Series, Marcel Dekker, New York, USA, ISBN 0-8247-0013-9

A. Medvedovici, A. Kot, F. David, P. Sandra.
The Use of Supercritical Fluids in Environmental Analysis.
Supercritical Fluid Chromatography with Packed Columns **1998**, Vol. 75, 369-401, Ed. K. Anton and C. Berger, Publ. Chromatographic Science Series, Marcel Dekker, New York, USA, ISBN 0-8247-0013-9

T. De Smaele, L. Moens, R. Dams, P. Sandra.
Metal Speciation by SPME-CGC-ICPMS.
RSC Chromatography Monographs, Applications of Solid Phase Microextraction **1999**,
Chapter 22, 296-310, Ed. J. Pawliszyn, Publ. Royal Society of Chemistry, Hertfordshire, UK,
ISBN 0-85404-525-2

P. Sandra, F. David, E. Baltussen, T. De Smaele.
Environmental Applications.
Extraction Methods in Organic Analysis, **1999**, *Chapter 10*, 243-302, Ed. A.J. Handley, Publ.
Sheffield Academic Press, UK, ISBN 1-85075-941-3

P. Sandra, F. David.
High Temperature Gas Chromatography.
Encyclopedia of Separation Science, **2000**, *Vol 2*, 497-504, Chief Ed. I.A. Wilson, Academic
Press, New York, USA, ISBN 0-12-226770-2

F. David, A. Medvedovici, P. Sandra
Oils, Fats and Waxes by Supercritical Fluid Chromatography.
Encyclopedia of Separation Science, **2000**, *Vol 8*, 3567-3575, Chief Ed. I.A. Wilson,
Academic Press, New York, USA, ISBN 0-12-226770-2

P. Sandra and F. David,
Developments in Sample Preparation for Capillary GC analysis.
Gas Chromatographic Techniques and Applications **2001**, *Chapter 1*, 1-52, Ed. A.J. Handley
and E.R. Adlard, Publ. Sheffield Academic Press, UK, ISBN 1-84127-118-7

A. Dermaux , P. Sandra
Capillary Electrochromatography in Natural Product Research.
RSC Chromatography Monographs Capillary Electrochromatography **2001**, *Chapter 8*, 125-
144, Ed. K.D. Bartle and P. Myers, Publ. Royal Society of Chemistry, Hertfordshire, UK,
ISBN 0-85404-530-9

G.P. Rozing, A. Dermaux, P. Sandra
Instrumentation for Capillary Electrochromatography.
J. Chromatographic Library, *Vol. 62*, Capillary Electrochromatography **2001**, *Chapter 2*, 39-
83, Ed. Z. Deyl and F. Svec, Elsevier, Amsterdam, The Netherlands, ISBN 0-444-50432-X

Title: The acetonitrile shortage: Is reversed HILIC with water an alternative for the analysis of highly polar ionizable solutes?

Author(s): Pereira AD, David F, Vanhoenacker G, et al.

Source: JOURNAL OF SEPARATION SCIENCE Volume: 32 Issue: 12 Pages: 2001-2007 Published: JUN 2009

Title: Mechanism and Processing Parameters Affecting the Formation of Methyl Methanesulfonate from Methanol and Methanesulfonic Acid: An Illustrative Example for Sulfonate Ester Impurity Formation

Author(s): Teasdale A, Eyley SC, Delaney E, et al.

Source: ORGANIC PROCESS RESEARCH & DEVELOPMENT Volume: 13 Issue: 3 Pages: 429-433 Published: MAY-JUN 2009

Title: Comprehensive liquid chromatography: Fundamental aspects and practical considerations-A review

Author(s): Francois I, Sandra K, Sandra P

Source: ANALYTICA CHIMICA ACTA Volume: 641 Issue: 1-2 Pages: 14-31 Published: MAY 8 2009

Title: Tryptic digest analysis by comprehensive reversed phase x two reversed phase liquid chromatography (RP-LC x 2RP-LC) at different pH's

Author(s): Francois I, Cabooter D, Sandra K, et al.

Source: JOURNAL OF SEPARATION SCIENCE Volume: 32 Issue: 8 Special Issue: Sp. Iss. SI Pages: 1137-1144 Published: APR 2009

Title: Investigation of the validity of the kinetic plot method to predict the performance of coupled column systems operated at very high pressures under different thermal conditions

Author(s): Cabooter D, Lestremau F, de Villiers A, et al.

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1216 Issue: 18 Pages: 3895-3903 Published: MAY 1 2009

Title: Comprehensive supercritical fluid chromatography x reversed phase liquid chromatography for the analysis of the fatty acids in fish oil

Author(s): Francois I, Sandra P

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1216 Issue: 18 Pages: 4005-4012

Title: Highly efficient peptide separations in proteomics Part 2: Bi- and multidimensional liquid-based separation techniques

Author(s): Sandra K, Moshir M, D'hondt F, et al.

Source: JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES Volume: 877 Issue: 11-12 Pages: 1019-1039 Published: APR 15 2009

Title: High performance liquid chromatography analysis of wine anthocyanins revisited: Effect of particle size and temperature

Author(s): De Villiers A, Cabooter D, Lynen F, et al.

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1216 Issue: 15 Pages: 3270-3279 Published: APR 10 2009

Title: Effect of analyte properties on the kinetic performance of liquid chromatographic separations

Author(s): de Villiers A, Lynen F, Sandra P

Conference Information: 32nd International Symposium on High Performance Liquid Phase Separations and Related Techniques, MAY 10-16, 2008 Baltimore, MD

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1216 Issue: 16 Pages: 3431-3442 Published: APR 17 2009

Title: Determination of arylamines and aminopyridines in pharmaceutical products using in-situ derivatization and liquid chromatography-mass spectrometry

Author(s): Vanhoenacker G, Dumont E, David F, et al.
Conference Information: 32nd International Symposium on High Performance Liquid Phase Separations and Related Techniques, MAY 10-16, 2008 Baltimore, MD
Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1216 Issue: 16 Pages: 3563-3570
Published: APR 17 2009

Title: Towards a New SPE Material for EDCs: Fully Automated Synthesis of a Library of Tripodal Receptors Followed by Fast Screening by Affinity LC
Author(s): Van der Plas SE, Van Hoeck E, Lynen F, et al.
Source: EUROPEAN JOURNAL OF ORGANIC CHEMISTRY Issue: 11 Special Issue: Sp. Iss. SI
Pages: 1796-1805 Published: APR 2009

Title: Multiple Step Gradient Analysis in Stationary Phase Optimised Selectivity LC for the Analysis of Complex Mixtures
Author(s): De Beer M, Lynen F, Hanna-Brown M, et al.
Source: CHROMATOGRAPHIA Volume: 69 Issue: 7-8 Pages: 609-614 Published: APR 2009

Title: 32ND INTERNATIONAL SYMPOSIUM ON CAPILLARY CHROMATOGRAPHY AND 5TH COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY SYMPOSIUM Riva del Garda, Italy, 26-30 May 2008 Foreword
Author(s): Sandra P
Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1216 Issue: 14 Pages: 2739-2739
Published: APR 3 2009

Title: Application of a Combined Weak Cation-Exchange/Crown Ether Column: First Demonstrations of a Versatile Tool for Proteome Subselection
Author(s): Tuytten R, Ruttens B, Gheysen K, et al.
Source: ANALYTICAL CHEMISTRY Volume: 81 Issue: 7 Pages: 2456-2469 Published: APR 1 2009

Title: Development of a Miniature Gas Chromatograph (μ CAD) with Sample Enrichment, Programmed Temperature GC and Plasma Emission Detection (PAD)
Author(s): Sandra P, Tienpont B, David F, et al.
Source: LC GC EUROPE Volume: 22 Issue: 3 Pages: 112-+ Published: MAR 2009

Title: Evaluation of electron capture detection in reversed-phase HPLC for pharmaceutical analysis
Author(s): Pereira AS, Szucs R, Sandra P
Source: JOURNAL OF SEPARATION SCIENCE Volume: 32 Issue: 1 Pages: 29-33 Published: JAN 2009

Title: Development and validation of an automated static headspace gas chromatography-mass spectrometry (SHS-GC-MS) method for monitoring the formation of ethyl methane sulfonate from ethanol and methane sulfonic acid
Author(s): Jacq K, Delaney E, Teasdale A, et al.
Source: JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS Volume: 48 Issue: 5
Pages: 1339-1344 Published: DEC 15 2008

Title: Multiresidue screening of endocrine-disrupting chemicals and pharmaceuticals in aqueous samples by multi-stir bar sorptive extraction-single desorption-capillary gas chromatography/mass spectrometry
Author(s): Van Hoeck E, Canale F, Cordero C, et al.
Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY Volume: 393 Issue: 3 Pages: 907-919
Published: FEB 2009

Title: Features of a micro-gas chromatograph equipped with enrichment device and microchip plasma emission detection (μ PED) for air monitoring
Author(s): Tienpont B, David F, Witdouch W, et al.
Source: LAB ON A CHIP Volume: 8 Issue: 11 Pages: 1819-1828 Published: 2008

Title: Creating a fatty acid methyl ester database for lipid profiling in a single drop of human blood using high resolution capillary gas chromatography and mass spectrometry

Author(s): Bicalho B, David F, Rumplel K, et al.

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1211 Issue: 1-2 Pages: 120-128 Published: NOV 21 2008

Title: Kinetic plot method as a tool to design coupled column systems producing 100,000 theoretical plates in the shortest possible time

Author(s): Cabooter D, Lestremau F, Lynen F, et al.

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1212 Issue: 1-2 Pages: 23-34 Published: NOV 28 2008

Title: Chemotaxonomy of bacteria by comprehensive GC and GC-MS in electron impact and chemical ionisation mode

Author(s): David F, Tienpont B, Sandra P

Source: JOURNAL OF SEPARATION SCIENCE Volume: 31 Issue: 19 Pages: 3395-3403 Published: OCT 2008

Title: The use of GC x GC with time-of-flight mass spectrometry to investigate dienes and Diels-Alder polymerisation products in high-temperature Fischer-Tropsch-based fuels

Author(s): van der Westhuizen R, Crouch A, Sandra P

Source: JOURNAL OF SEPARATION SCIENCE Volume: 31 Issue: 19 Pages: 3423-3428 Published: OCT 2008

Title: Construction of a new interface for comprehensive supercritical fluid chromatography x reversed phase liquid chromatography (SFC x RPLC)

Author(s): Francois I, Pereira AD, Lynen F, et al.

Source: JOURNAL OF SEPARATION SCIENCE Volume: 31 Issue: 19 Pages: 3473-3478 Published: OCT 2008

Title: Enantioseparation of pharmaceutical compounds by multiplexed capillary electrophoresis using highly sulphated alpha-, beta- and gamma-cyclodextrins

Author(s): Saavedra L, Nickerson B, Borjas RE, et al.

Source: JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES Volume: 875 Issue: 1 Pages: 248-253 Published: NOV 1 2008

Title: Evaluation of a molecularly imprinted polymer as in-line concentrator in capillary electrophoresis

Author(s): Lara FJ, Lynen F, Sandra P, et al.

Source: ELECTROPHORESIS Volume: 29 Issue: 18 Special Issue: Sp. Iss. SI Pages: 3834-3841 Published: SEP 2008

Title: Serial coupling of reversed-phase and hydrophilic interaction liquid chromatography to broaden the elution window for the analysis of pharmaceutical compounds

Author(s): Louw S, Pereira AS, Lynen F, et al.

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1208 Issue: 1-2 Pages: 90-94 Published: OCT 24 2008

Title: Reversed-phase HPLC column at extreme high temperature (150 degrees C or higher)

Author(s): Tseng K, Vanhoenacker G, Kotsuka T, et al.

Source: LC GC NORTH AMERICA Pages: 60-61 Supplement: Suppl. S Published: SEP 2008

Title: Kinetic plot and particle size distribution analysis to discuss the performance limits of sub-2 μ m and supra-2 μ m particle columns

Author(s): Cabooter D, Billen J, Terryn H, et al.

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1204 Issue: 1 Pages: 1-10 Published: SEP 12 2008

Title: Stir bar sorptive extraction combined with GC-MS analysis and chemometric methods for the classification of south African wines according to the volatile composition

Author(s): Tredoux A, de Villiers A, Majek P, et al.

Source: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 56 Issue: 12 Pages: 4286-4296 Published: JUN 25 2008

Title: Profiling the spatial concentration of allethrin and piperonyl butoxide using passive sorptive sampling and thermal desorption capillary GC-MS

Author(s): Desmet K, De Coensel N, Gorecki T, et al.

Source: CHEMOSPHERE Volume: 71 Issue: 11 Pages: 2193-2198 Published: MAY 2008

Title: Pharmaceutical analysis by supercritical fluid chromatography: Optimization of the mobile phase composition on a 2-ethylpyridine column

Author(s): Brunellil C, Zha Y, Brown MH, et al.

Source: JOURNAL OF SEPARATION SCIENCE Volume: 31 Issue: 8 Pages: 1299-1306 Published: MAY 2008

Title: 31st International Symposium on High Performance Liquid Phase Separations and Related Techniques, Ghent, Belgium, 17-21 June 2007 - Foreword

Author(s): Sandra P, Crommen J

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1189 Issue: 1-2 Pages: 1-1 Published: MAY 2 2008

Title: Improved accuracy in the determination of polycyclic aromatic hydrocarbons in air using 24 h sampling on a mixed bed followed by thermal desorption capillary gas chromatography-mass spectrometry

Author(s): Wauters E, Van Caeter P, Desmet G, et al.

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1190 Issue: 1-2 Pages: 286-293 Published: MAY 9 2008

Title: Determination of fluoxetine in plasma by gas chromatography-mass spectrometry using stir bar sorptive extraction

Author(s): Fernandes C, Van Hoeck E, Sandra P, et al.

Source: ANALYTICA CHIMICA ACTA Volume: 614 Issue: 2 Pages: 201-207 Published: MAY 5 2008

Title: Highly efficient peptide separations in proteomics - Part 1. Unidimensional high performance liquid chromatography

Author(s): Sandra K, Moshir M, D'hondt F, et al.

Source: JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES Volume: 866 Issue: 1-2 Pages: 48-63 Published: APR 15 2008

Title: Errors involved in the existing B-term expressions for the longitudinal diffusion in fully porous chromatographic media - Part II: Experimental data in packed columns and surface diffusion measurements

Author(s): Broeckhoven K, Cabooter D, Lynen F, et al.

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1188 Issue: 2 Pages: 189-198 Published: APR 25 2008

Title: 30th International Symposium on Capillary Chromatography and Electrophoresis and 4th Comprehensive Two-dimensional Gas Chromatography Symposium, Dalian, China, 3-8 June 2007 - Foreword

Author(s): Sandra P, Xu GW

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1188 Issue: 1 Pages: 1-1 Published: APR 18 2008

Title: Comparison of one-dimensional and comprehensive two-dimensional separations by gas chromatography

Author(s): Blumberg LM, David F, Klee MS, et al.

Conference Information: 30th International Symposium on Capillary Chromatography and Electrophoresis/4th Comprehensive Two-Dimensional Gas Chromatography Symposium, JUN 03-08, 2007 Dalian, PEOPLES R CHINA

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1188 Issue: 1 Pages: 2-16 Published: APR 18 2008

Title: Domestic sampling: Exposure assessment to moth repellent products using ultrasonic extraction

and capillary GC-MS

Author(s): De Coensel N, Desmet K, Sandra P, et al.

Source: CHEMOSPHERE Volume: 71 Issue: 4 Pages: 711-716 Published: MAR 2008

Title: Design and evaluation of a multi-detection system composed of ultraviolet, evaporative light scattering and inductively coupled plasma mass spectrometry detection for the analysis of pharmaceuticals by liquid chromatography

Author(s): Pereira AS, Schelfaut M, Lynen F, et al.

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1185 Issue: 1 Pages: 78-84 Published: MAR 21 2008

Title: Development of a supercritical fluid chromatography high-resolution separation method suitable for pharmaceuticals using cyanopropyl silica

Author(s): Brunelli C, Zhao Y, Brown MH, et al.

Source: JOURNAL OF CHROMATOGRAPHY A Volume: 1185 Issue: 2 Pages: 263-272 Published: MAR 28 2008

TITLE: TURBULENCE AS A SOURCE OF EXCESSIVE BASELINE NOISE DURING HIGH-SPEED ISOCRATIC AND GRADIENT SEPARATIONS USING ABSORPTION DETECTION

AUTHOR(S): CABOOTER D, LYNEN F, SANDRA P, ET AL.

SOURCE: ANALYTICAL CHEMISTRY VOLUME: 80 ISSUE: 5 PAGES: 1679-1688 PUBLISHED: MAR 1 2008

TITLE: COMPREHENSIVE TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY APPLYING TWO PARALLEL COLUMNS IN THE SECOND DIMENSION

AUTHOR(S): FRANCOIS I, DE VILLIERS A, TIENPONT B, ET AL.

SOURCE: JOURNAL OF CHROMATOGRAPHY A VOLUME: 1178 ISSUE: 1-2 PAGES: 33-42 PUBLISHED: JAN 12 2008

TITLE: DETAILED CHARACTERISATION OF THE FLOW RESISTANCE OF COMMERCIAL SUB-2 MU M REVERSED-PHASE COLUMNS

AUTHOR(S): CABOOTER D, BILLEN J, TERRYN H, ET AL.

SOURCE: JOURNAL OF CHROMATOGRAPHY A VOLUME: 1178 ISSUE: 1-2 PAGES: 108-117 PUBLISHED: JAN 12 2008

QUANTITATION OF TRIACYLGLYCEROLS FROM PLANT OILS USING CHARGED AEROSOL DETECTION WITH GRADIENT COMPENSATION

AUTHOR(S): LISA M, LYNEN F, HOLCAPEK M, ET AL.

SOURCE: JOURNAL OF CHROMATOGRAPHY A VOLUME: 1176 ISSUE: 1-2 PAGES: 135-142 PUBLISHED: DEC 28 2007

HIGH TEMPERATURE AND TEMPERATURE PROGRAMMED HPLC: POSSIBILITIES AND LIMITATIONS

AUTHOR(S): VANHOENACKER G, SANDRA P

SOURCE: ANALYTICAL AND BIOANALYTICAL CHEMISTRY VOLUME: 390 ISSUE: 1 PAGES: 245-248 PUBLISHED: JAN 2008

A GENERIC APPROACH FOR THE DETERMINATION OF RESIDUES OF ALKYLATING AGENTS IN ACTIVE PHARMACEUTICAL INGREDIENTS BY IN SITU DERIVATIZATION-HEADSPACE-GAS CHROMATOGRAPHY-MASS SPECTROMETRY

AUTHOR(S): ALZAGA R, RYAN RW, TAYLOR-WORTH K, ET AL.

SOURCE: JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS VOLUME: 45 ISSUE: 3 PAGES: 472-479 PUBLISHED: NOV 5 2007

THE ANALYSIS OF ESTRONE AND 17 BETA-ESTRADIOL BY STIR BAR SORPTIVE EXTRACTION-THERMAL DESORPTION-GAS CHROMATOGRAPHY/MASS SPECTROMETRY: APPLICATION TO URINE SAMPLES AFTER ORAL ADMINISTRATION OF CONJUGATED EQUINE ESTROGENS

AUTHOR(S): STOPFORTH A, BURGER BV, CROUCH AM, ET AL.

SOURCE: JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES VOLUME: 856 ISSUE: 1-2 PAGES: 156-164 PUBLISHED: SEP 1 2007

INFLUENCE OF POLYDIMETHYLSILOXANE OUTER COATING AND PACKING MATERIAL ON ANALYTE RECOVERY IN DUAL-PHASE HEADSPACE SORPTIVE EXTRACTION

AUTHOR(S): BICCHI C, CORDERO C, LIBERTO E, ET AL.

SOURCE: JOURNAL OF CHROMATOGRAPHY A VOLUME: 1164 ISSUE: 1-2 PAGES: 33-39 PUBLISHED: SEP 14

2007

IMPROVING THE UNIVERSAL RESPONSE OF EVAPORATIVE LIGHT SCATTERING DETECTION BY MOBILE PHASE COMPENSATION

AUTHOR(S): DE VILLIERS A, GORECKI T, LYNEN F, ET AL.

SOURCE: **JOURNAL OF CHROMATOGRAPHY A** VOLUME: **1161** ISSUE: **1-2** PAGES: **183-191** PUBLISHED: **AUG 17 2007**

EVALUATION OF THE TEMPERATURE RESPONSIVE STATIONARY PHASE POLY (N-ISOPROPYLACRYLAMIDE) IN AQUEOUS LC FOR THE ANALYSIS OF SMALL MOLECULES

AUTHOR(S): LYNEN F, HEIJL JMD, DU PREZ FE, ET AL.

SOURCE: **CHROMATOGRAPHIA** VOLUME: **66** ISSUE: **3-4** PAGES: **143-150** PUBLISHED: **AUG 2007**

STIR BAR SORPTIVE EXTRACTION FOR THE DETERMINATION OF PYRETHROIDS IN WATER SAMPLES - A COMPARISON BETWEEN THERMAL DESORPTION IN A DEDICATED THERMAL DESORBER, IN A SPLIT/SPLITLESS INLET AND BY LIQUID DESORPTION

AUTHOR(S): VAN HOECK E, DAVID F, SANDRA P

SOURCE: **JOURNAL OF CHROMATOGRAPHY A** VOLUME: **1157** ISSUE: **1-2** PAGES: **1-9** PUBLISHED: **JUL 20 2007**

TOTAL PORE BLOCKING AS AN ALTERNATIVE METHOD FOR THE ON-COLUMN DETERMINATION OF THE EXTERNAL POROSITY OF PACKED AND MONOLITHIC REVERSED-PHASE COLUMNS

AUTHOR(S): CABOOTER D, LYNEN F, SANDRA P, ET AL.

SOURCE: **JOURNAL OF CHROMATOGRAPHY A** VOLUME: **1157** ISSUE: **1-2** PAGES: **131-141** PUBLISHED: **JUL 20 2007**

STIR BAR SORPTIVE EXTRACTION FOR TRACE ANALYSIS

AUTHOR(S): DAVID F, SANDRA P

SOURCE: **JOURNAL OF CHROMATOGRAPHY A** VOLUME: **1152** ISSUE: **1-2** PAGES: **54-69** PUBLISHED: **JUN 8 2007**

29TH INTERNATIONAL SYMPOSIUM ON CAPILLARY CHROMATOGRAPHY, RIVA DEL GARDA, ITALY, 29 MAY-2 JUNE 2006 - FOREWORD

AUTHOR(S): SANDRA P

SOURCE: **JOURNAL OF CHROMATOGRAPHY A** VOLUME: **1150** ISSUE: **1-2** PAGES: **1-1** PUBLISHED: **MAY 25 2007**

GAS CHROMATOGRAPHIC DETERMINATION OF THE INTERCONVERSION ENERGY BARRIER FOR DIALKYL 2,3-PENTADIENEDIOATE ENANTIOMERS

AUTHOR(S): MYDLOVA J, KRUPCIK J, MAJEK P, ET AL.

SOURCE: **JOURNAL OF CHROMATOGRAPHY A** VOLUME: **1150** ISSUE: **1-2** PAGES: **124-130** PUBLISHED: **MAY 25 2007**

TITLE: DETERMINATION OF POLYDIMETHYLSILOXANE-AIR PARTITION COEFFICIENTS USING HEADSPACE SORPTIVE EXTRACTION

AUTHOR(S): DE COENSEL N, DESMET K, GORECKI T, ET AL.

SOURCE: **JOURNAL OF CHROMATOGRAPHY A** VOLUME: **1150** ISSUE: **1-2** PAGES: **183-189** PUBLISHED: **MAY 25 2007**

DETERMINATION OF THE NEUROPEPTIDES ARGININE VASOTOCIN AND ISOTOCIN IN BRAINS OF THREE-SPINED STICKLEBACKS (GASTEROSTEUS ACULEATUS) BY OFF-LINE SOLID PHASE EXTRACTION-LIQUID CHROMATOGRAPHY-ELECTROSPRAY TANDEM MASS SPECTROMETRY

AUTHOR(S): KLESZCZYNSKA A, DUMONT E, CORNELIS R, ET AL.

SOURCE: **JOURNAL OF CHROMATOGRAPHY A** VOLUME: **1150** ISSUE: **1-2** PAGES: **290-294** PUBLISHED: **MAY 25 2007**

Bicchi C, Cordero C, Liberto E, Sandra P

Sorptive tape extraction in the analysis of the volatile fraction emitted from biological solid matrices
JOURNAL OF CHROMATOGRAPHY A 1148 (2): 137-144 MAY 4 2007

Cabooter D, de Villiers A, Clicq D, Sandra P

Method to predict and compare the influence of the particle size on the isocratic peak capacity of high-performance liquid chromatography columns

JOURNAL OF CHROMATOGRAPHY A 1147 (2): 183-191 APR 20 2007

Sandra K, Verleysen K, Labeur C, Sandra P

Combination of COFRADIC and high temperature - extended column length conventional liquid

chromatography: A very efficient way to tackle complex protein samples, such as serum
JOURNAL OF SEPARATION SCIENCE 30 (5): 658-668 MAR 2007

Mydlova J, Krupcik J, Korytar P, Sandra P
On the use of computer assisted resolution of non-separable peaks in a congener specific polybrominated diphenyl ether capillary gas chromatographic analysis
JOURNAL OF CHROMATOGRAPHY A 1147 (1): 95-104 APR 13 2007

David F, Vanhoenacker G, Tienpont B, Sandra P
Coupling columns and multidimensional configurations to increase peak capacity in liquid chromatography
LC GC EUROPE 20 (3): 154+ MAR 2007

Brunelli C, Gorecki T, Zhao Y, Sandra P
Corona-charged aerosol detection in supercritical fluid chromatography for pharmaceutical analysis
ANALYTICAL CHEMISTRY 79 (6): 2472-2482 MAR 15 2007

Sandra P, Vanhoenacker G
Elevated temperature-extended column length conventional liquid chromatography to increase peak capacity for the analysis of tryptic digests
JOURNAL OF SEPARATION SCIENCE 30 (2): 241-244 FEB 2007

Stopforth A, Grobbelaar CJ, Crouch AM, Sandra P
Quantification of testosterone and epitestosterone in human urine samples by stir bar sorptive extraction - thermal desorption - gas chromatography/mass spectrometry: Application to HIV-positive urine samples
JOURNAL OF SEPARATION SCIENCE 30 (2): 257-265 FEB 2007

Lestremau F, de Villiers A, Lynen F, Sandra P
High efficiency liquid chromatography on conventional columns and instrumentation by using temperature as a variable Kinetic plots and experimental verification
JOURNAL OF CHROMATOGRAPHY A 1138 (1-2): 120-131 JAN 5 2007

David F, Van Hoeck E, Sandra P
Towards automated, miniaturized and solvent-free sample preparation methods
ANALYTICAL AND BIOANALYTICAL CHEMISTRY 387 (1): 141-144 JAN 2007

Fernandes C, Jiayu P, Sandra P, et al.
Stir bar sorptive extraction-LC-MS for the analysis of fluoxetine in plasma
CHROMATOGRAPHIA 64 (9-10): 517-521 NOV 2006

David F, Devos C, Sandra P
Method selection for the determination of suspected allergens in essential oils, flavour, fragrances and cosmetics
LC GC EUROPE 19 (11): 602+ NOV 2006

Sandra PJ, Tienpont B, Stoeri H
Features of a micro GC based on sorptive extraction and plasma emission detection
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY 231: - 255-ANYL MAR 26 2006

de Villiers A, Lestremau F, Szucs R, Sandra P
Evaluation of ultra performance liquid chromatography - Part I. Possibilities and limitations
JOURNAL OF CHROMATOGRAPHY A 1127 (1-2): 60-69 SEP 15 2006

Vanhoenacker G, Sandra P
Elevated temperature and temperature programming in conventional liquid chromatography - fundamentals and applications
JOURNAL OF SEPARATION SCIENCE 29 (12): 1822-1835 AUG 2006

David F, Devos C, Joulain D, Sandra P
Determination of suspected allergens in non-volatile matrices using PTV injection with automated liner exchange and GC-MS

JOURNAL OF SEPARATION SCIENCE 29 (11): 1587-1594 JUL 2006

Sandra K, Lynen F, Devreese B, Sandra P

On-column sample enrichment for the high-sensitivity sheath-flow CE-MS analysis of peptides
ANALYTICAL AND BIOANALYTICAL CHEMISTRY 385 (4): 671-677 JUN 2006

Gorecki T, Lynen F, Szucs R, Sandra P

Universal response in liquid chromatography using charged aerosol detection
ANALYTICAL CHEMISTRY 78 (9): 3186-3192 MAY 1 2006

Stopforth A, Burger BV, Crouch AM, Sandra P

Urinalysis of 4-hydroxynonenal, a marker of oxidative stress, using stir bar sorptive extraction-thermal desorption-gas chromatography/mass spectrometry
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES 834 (1-2): 134-140 APR 13 2006

de Villiers A, Lauer H, Szucs R, Sandra P

Influence of frictional heating on temperature gradients in ultra-high-pressure liquid chromatography on 2.1 mm ID columns
JOURNAL OF CHROMATOGRAPHY A 1113 (1-2): 84-91 APR 28 2006

David F, Szucs R, Makwana J, Sandra P

Fast capillary GC using a low thermal mass column oven for the determination of residual solvents in pharmaceuticals
JOURNAL OF SEPARATION SCIENCE 29 (5): 695-698 MAR 2006

Lestremau F, Cooper A, Szucs R, Sandra P, et al.

High-efficiency liquid chromatography on conventional columns and instrumentation by using temperature as a variable I. Experiments with 25 cm x 4.6 mm ID, 5 μ m ODS columns
JOURNAL OF CHROMATOGRAPHY A 1109 (2): 191-196 MAR 24 2006

Francois I, de Villiers A, Sandra P

Considerations on the possibilities and limitations of comprehensive normal phase-reversed phase liquid chromatography (NPLC x RPLC)
JOURNAL OF SEPARATION SCIENCE 29 (4): 492-498 MAR 2006

Sisalli S, Adao A, Lebel M, Sandra P, et al.

Sorptive tape extraction - A novel sampling method for the in vivo study of skin
LC GC EUROPE 19 (1): 33-39 JAN 2006

Bicchi C, Cordero C, Liberto E, Sandra P, et al.

Dual-phase twistors: A new approach to headspace sorptive extraction and stir bar sorptive extraction
JOURNAL OF CHROMATOGRAPHY A 1094 (1-2): 9-16 NOV 11 2005

Lynen F, Buica A, de Villiers A, Sandra P, et al.

An efficient slurry packing procedure for the preparation of columns applicable in capillary electrochromatography and capillary electrochromatography-electrospray-mass spectrometry
JOURNAL OF SEPARATION SCIENCE 28 (13): 1539-1549 AUG 2005

de Villiers A, Majek P, Lynen F, Sandra P, et al.

Classification of South African red and white wines according to grape variety based on the non-coloured phenolic content
EUROPEAN FOOD RESEARCH AND TECHNOLOGY 221 (3-4): 520-528 AUG 2005

Krupcik J, Mydlova J, Spanik I, Sandra P, et al.

Computerized separation of chromatographically unresolved peaks
JOURNAL OF CHROMATOGRAPHY A 1084 (1-2): 80-89 AUG 19 2005

Vanhoenacker G, Sandra P

High temperature liquid chromatography and liquid chromatography-mass spectroscopy analysis of octylphenol

ethoxylates on different stationary phases
JOURNAL OF CHROMATOGRAPHY A 1082 (2): 193-202 AUG 5 2005

Ochiai N, Sasamoto K, Kanda H, Sandra P, et al.
Optimization of a multi-residue screening method for the determination of 85 pesticides in selected food matrices by stir bar sorptive extraction and thermal desorption GC-MS
JOURNAL OF SEPARATION SCIENCE 28 (9-10): 1083-1092 JUN 2005

Devos C, Vliegen M, Willaert B, Sandra P, et al.
Automated headspace-solid-phase micro extraction - retention time locked-isotope dilution gas chromatography - mass spectrometry for the analysis of organotin compounds in water and sediment samples
JOURNAL OF CHROMATOGRAPHY A 1079 (1-2): 408-414 JUN 24 2005

Sandra PJ
Towards high resolution in fluid chromatographic techniques for pharmaceutical analysis.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY 229: U136-U136 288-ANYL Part 1
MAR 13 2005

Benicka E, Krupcik J, Lehotay J, Sandra P, et al.
Selectivity tuning in an HPLC multicomponent separation
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES 28 (10): 1453-1471 2005

Devos, C; Moens, L; Sandra, P. 2005. Determination of the acaricide fenbutatin oxide in water samples by automated headspace-SPME-GC/MS. JOURNAL OF SEPARATION SCIENCE 28 (7): 665-668.

Tienpont, B; David, F; Dewulf, E; Sandra, P. 2005. Pitfalls and solutions for the trace determination of phthalates in water samples. CHROMATOGRAPHIA 61 (7-8): 365-370.

Sandra, P. 2005. 27th International Symposium on Capillary Chromatography, 31 May-4 June 2004, Riva del Garda, Italy - Foreword. JOURNAL OF CHROMATOGRAPHY A 1071 (1-2): 1-1.

Spanik, I; Krupcik, J; Skacani, I; Sandra, P; Armstrong, DW. 2005. On the capillary gas chromatographic separation of enantiomers of N-trifluoroacetyl-O-alkyl esters of selected amino acids on 2,3-di-O-pentyl-6-O-acyl cyclodextrins. JOURNAL OF CHROMATOGRAPHY A 1071 (1-2): 59-66.

Bicchi, C; Cordero, C; Liberto, E; Rubiolo, P; Sgorbini, B; Sandra, P. 2005. Impact of phase ratio, polydimethylsiloxane volume and size, and sampling temperature and time on headspace sorptive extraction recovery of some volatile compounds in the essential oil field. JOURNAL OF CHROMATOGRAPHY A 1071 (1-2): 111-118.

Desmet, K; Schelfaut, M; Sandra, P. 2005. Determination of bromophenols as dioxin precursors in combustion gases of fire retarded extruded polystyrene by sorptive sampling-capillary gas chromatography-mass spectrometry. JOURNAL OF CHROMATOGRAPHY A 1071 (1-2): 125-129.

Stopforth, A; Tredoux, A; Crouch, A; van Helden, P; Sandra, P. 2005. A rapid method of diagnosing pulmonary tuberculosis using stir bar sorptive extraction-thermal desorption-gas chromatography-mass spectrometry. JOURNAL OF CHROMATOGRAPHY A 1071 (1-2): 135-139.

Soini, HA; Bruce, KE; Wiesler, D; David, F; Sandra, P; Novotny, MV. 2005. Stir bar sorptive extraction: A new quantitative and comprehensive sampling technique for determination of chemical signal profiles from biological media. JOURNAL OF CHEMICAL ECOLOGY 31 (2): 377-392.

Krupcik, J; Benicka, E; Spanik, I; Majek, P; Birasova, H; Sandra, P; Armstrong, DW. 2004. GC separation of enantiomers of secondary alcohols and n-pentyl secondary alkyl ethers on modified beta- and gamma-cyclodextrin stationary phases. CHEMIA ANALITYCZNA 49 (6): 895-904.

Mydlova, J; Benicka, E; Krupcik, J; Sandra, P; Armstrong, DW. 2004. On-flow gas chromatographic method for the determination of the enantiomer interconversion energy barrier. JOURNAL OF CHROMATOGRAPHIC SCIENCE 42 (10): 516-523.

Sandra, K; Stals, I; Sandra, P; Claeysens, M; Van Beeumen, J; Devreese, B. 2004. Combining gel and capillary electrophoresis, nano-LC and mass spectrometry for the elucidation of post-translational modifications of *Trichoderma reesei* cellobiohydrolase I. *JOURNAL OF CHROMATOGRAPHY A* 1058 (1-2): 263-272.

de Villiers, A; Vanhoenacker, G; Majek, P; Sandra, P. 2004. Determination of anthocyanins in wine by direct injection liquid chromatography-diode array detection-mass spectrometry and classification of wines using discriminant analysis. *JOURNAL OF CHROMATOGRAPHY A* 1054 (1-2): 195-204.

Sandra, P; David, F; Tienpont, B. 2004. From CGC-MS to MS-based analytical decision makers. *CHROMATOGRAPHIA* 60: S299-S302, Suppl. S.

Sandra, K; Van Beeumen, J; Stals, I; Sandra, P; Claeysens, M; Devreese, B. 2004. Characterization of cellobiohydrolase IN-glycans and differentiation of their phosphorylated isomers by capillary electrophoresis-Q-trap mass spectrometry. *ANALYTICAL CHEMISTRY* 76 (19): 5878-5886.

de Villiers, A; Lynen, F; Crouch, A; Sandra, P. 2004. Development of a solid-phase extraction procedure for the simultaneous determination of polyphenols, organic acids and sugars in wine. *CHROMATOGRAPHIA* 59 (7-8): 403-409.

Vanhoenacker, G; De Keukeleire, D; Sandra, P. 2004. Analysis of iso-alpha-acids and reduced iso-alpha-acids in beer by direct injection and liquid chromatography with ultraviolet absorbance detection or with mass spectrometry. *JOURNAL OF CHROMATOGRAPHY A* 1035 (1): 53-61.

Armstead, V; Sandra, P; Powell, G. 2004. Effect of hyperoxia on heme oxygenase-1 expression in mouse lung. *ANESTHESIA AND ANALGESIA* 98 (4): 79-79, Suppl. S.

De Villiers, A; Vanhoenacker, G; Lynen, F; Sandra, P. 2004. Stir bar sorptive extraction-liquid desorption applied to the analysis of hop-derived bitter acids in beer by micellar electrokinetic chromatography. *ELECTROPHORESIS* 25 (4-5): 664-669.

Vanhoenacker, G; de l'Escaille, F; De Keukeleire, D; Sandra, P. 2004. Analysis of benzodiazepines in dynamically coated capillaries by CE-DAD, CE-MS and CE-MS2. *JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS* 34 (3): 595-606.

Nogueira, JMF; Sandra, T; Sandra, P. 2004. Multiresidue screening of neutral pesticides in water samples by high performance liquid chromatography - electrospray mass spectrometry. *ANALYTICA CHIMICA ACTA* 505 (2): 209-215.

Demyttenaere, JCR; Morina, RM; De Kimpe, N; Sandra, P. 2004. Use of headspace solid-phase microextraction and headspace sorptive extraction for the detection of the volatile metabolites produced by toxigenic *Fusarium* species. *JOURNAL OF CHROMATOGRAPHY A* 1027 (1-2): 147-154.

Tienpont, B; David, F; Stopforth, A; Sandra, P. 2003. Comprehensive profiling of drugs of abuse in biological fluids by stir-bar sorptive extraction-thermal desorption-capillary gas chromatography-mass spectrometry. *LC GC EUROPE* 16 (12A): 5-13, Sp. Iss. SI.

Sandra, P; Medvedovici, A; David, F. 2003. Comprehensive pSFCxpSFC-MS for the characterization of triglycerides in vegetable oils. *LC GC EUROPE* 16 (12A): 32-34, Sp. Iss. SI.

Vanhoenacker, G; de l'Escaille, F; De Keukeleire, D; Sandra, P. 2004. Dynamic coating for fast and reproducible determination of basic drugs by capillary electrophoresis with diode-array detection and mass spectrometry. *JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES* 799 (2): 323-330.

Bicchi, C; Cordero, C; Rubiolo, P; Sandra, P. 2003. Impact of water/PDMS phase ratio, volume of PDMS, and sampling time on Stir Bar Sorptive Extraction (SBSE) recovery of some pesticides with different K-O/W. *JOURNAL OF SEPARATION SCIENCE* 26 (18): 1650-1656.

de Villiers, A; Lynen, F; Crouch, A; Sandra, P. 2003. A robust capillary electrophoresis method for the determination of organic acids in wines. *EUROPEAN FOOD RESEARCH AND TECHNOLOGY* 217 (6): 535-540.

De Villiers, A; Alberts, F; Lynen, F; Crouch, A; Sandra, P. 2003. Evaluation of liquid chromatography and capillary electrophoresis for the elucidation of the artificial colorants brilliant blue and axorubine in red wines. *CHROMATOGRAPHIA* 58 (7-8): 393-397.

Verslycke, T; Poelmans, S; De Wasch, K; Vercauteren, J; Devos, C; Moens, L; Sandra, P; De Brabander, HF; Janssen, CR. 2003. Testosterone metabolism in the estuarine mysid *Neomysis integer* (Crustacea; Mysidacea) following tributyltin exposure. *ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY* 22 (9): 2030-2036.

Sandra, P; Gianni, P; Mario, P; Marilena, G; Rossella, M; Marina, C. 2003. Lymphocyte apoptosis co-cultured with *Borrelia burgdorferi*. *MICROBIAL PATHOGENESIS* 35 (4): 139-145.

Tienpont, B; David, F; Benijts, T; Sandra, P. 2003. Stir bar sorptive extraction-thermal desorption-capillary GC-MS for profiling and target component analysis of pharmaceutical drugs in urine. *JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS* 32 (4-5): 569-579.

David, F; Tienpont, B; Sandra, P. 2003. Stir-bar sorptive extraction of trace organic compounds from aqueous matrices. *LC GC EUROPE* 16 (7): 410-+.

Zhao, YN; Woo, G; Thomas, S; Semin, D; Sandra, P. 2003. Rapid method development for chiral separation in drug discovery using sample pooling and supercritical fluid chromatography-mass spectrometry. *JOURNAL OF CHROMATOGRAPHY A* 1003 (1-2): 157-166.

Sandra, P; Tienpont, B; David, F. 2003. Multi-residue screening of pesticides in vegetables, fruits and baby food by stir bar sorptive extraction-thermal desorption-capillary gas chromatography-mass spectrometry. *JOURNAL OF CHROMATOGRAPHY A* 1000 (1-2): 299-309.

Krupcik, J; Oswald, P; Majek, P; Sandra, P; Armstrong, DW. 2003. Determination of the interconversion energy barrier of enantiomers by separation methods. *JOURNAL OF CHROMATOGRAPHY A* 1000 (1-2): 779-800.

Nogueira, JMF; Sandra, T; Sandra, P. 2003. Considerations on ultra trace analysis of carbamates in water samples. *JOURNAL OF CHROMATOGRAPHY A* 996 (1-2): 133-140.

Bicchi, C; Cordero, C; Rubiolo, P; Sandra, P. 2003. Stir bar sorptive extraction (SBSE) in sample preparation from heterogeneous matrices: determination of pesticide residues in pear pulp at ppb (ng/g) level. *EUROPEAN FOOD RESEARCH AND TECHNOLOGY* 216 (5): 449-456.

Desmet, K; Tienpont, B; Sandra, P. 2003. Analysis of 1-hydroxypyrene in urine as PAH exposure marker using in-situ derivatisation stir bar sorptive extraction-thermal desorption - Capillary gas chromatography - Mass spectrometry. *CHROMATOGRAPHIA* 57 (9-10): 681-685.

Heyerick, A; Zhao, YN; Sandra, P; Huvaere, K; Roelens, F; De Keukeleire, D. 2003. Photolysis of hop-derived trans-iso-alpha-acids and trans-tetrahydroiso-alpha-acids: product identification in relation to the lightstruck flavour of beer. *PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES* 2 (3): 306-314.

Verslycke, T; Vercauteren, J; Devos, C; Moens, L; Sandra, P; Janssen, CR. 2003. Cellular energy allocation in the estuarine mysid shrimp *Neomysis integer* (Crustacea : Mysidacea) following tributyltin exposure. *JOURNAL OF EXPERIMENTAL MARINE BIOLOGY AND ECOLOGY* 288 (2): 167-179.

Desmet, K; Tienpont, B; Schelfaut, M; Sandra, P. 2003. A simple approach to on-line oxidative pyrolysis-capillary gas chromatography-mass spectrometry. *CHROMATOGRAPHIA* 57 (5-6): 385-388.

David, F; Tienpont, B; Sandra, P. 2003. Stir-bar sorptive extraction of trace organic compounds from aqueous matrices. *LC GC NORTH AMERICA* 21 (2): 108-+.

- Lynen, F; Van Thuyne, W; Borremans, F; Vanhoenacker, G; Sandra, P. 2003. Measurement of the binding of retinoic acid to beta-lactoglobulin B by affinity capillary electrophoresis. *JOURNAL OF SEPARATION SCIENCE* 26 (1-2): 53-60.
- Sandra, P. 2003. 25th International Symposium on Capillary Chromatography - Riva del Garda (Italy), 13-17 May 2002 - Foreword. *JOURNAL OF CHROMATOGRAPHY A* 985 (1-2): 1-1.
- Demyttenaere, JCR; Morina, RM; Sandra, P. 2003. Monitoring and fast detection of mycotoxin-producing fungi based on headspace solid-phase microextraction and headspace sorptive extraction of the volatile metabolites. *JOURNAL OF CHROMATOGRAPHY A* 985 (1-2): 127-135.
- Demyttenaere, JCR; Martinez, JIS; Verhe, R; Sandra, P; De Kimpe, N. 2003. Analysis of volatiles of malt whisky by solid-phase microextraction and stir bar sorptive extraction. *JOURNAL OF CHROMATOGRAPHY A* 985 (1-2): 221-232.
- Demyttenaere, JCR; Dagher, C; Sandra, P; Kallithraka, S; Verhe, R; De Kimpe, N. 2003. Flavour analysis of Greek white wine by solid-phase microextraction-capillary gas chromatography-mass spectrometry. *JOURNAL OF CHROMATOGRAPHY A* 985 (1-2): 233-246.
- Bicchi, C; Cordero, C; Iori, C; Rubiolo, P; Sandra, P; Yariwake, JH; Zuin, VG. 2003. SBSE-GC-ECD/FPD in the analysis of pesticide residues in Passiflora alata Dryander herbal teas. *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY* 51 (1): 27-33.
- Madder, A; Li, L; De Muynck, H; Farcy, N; Van Haver, D; Fant, F; Vanhoenacker, G; Sandra, P; Davis, AP; De Clercq, PJ. 2002. Evaluation of a two-stage screening procedure in the combinatorial search for serine protease-like activity. *JOURNAL OF COMBINATORIAL CHEMISTRY* 4 (6): 552-562.
- Sandra, P; Medvedovici, A; Zhao, Y; David, F. 2002. Characterization of triglycerides in vegetable oils by silver-ion packed-column supercritical fluid chromatography coupled to mass spectroscopy with atmospheric pressure chemical ionization and coordination ion spray. *JOURNAL OF CHROMATOGRAPHY A* 974 (1-2): 231-241.
- Oswald, P; Desmet, K; Sandra, P; Krupcik, J; Majek, P; Armstrong, DW. 2002. Determination of the enantiomerization energy barrier of some 3-hydroxy-1,4-benzodiazepine drugs by supercritical fluid chromatography. *JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES* 779 (2): 283-295.
- Sandra, P; David, F; Szucs, R. 2002. Some applications of state-of-the-art capillary gas chromatography in the pharmaceutical industry. *TRAC-TRENDS IN ANALYTICAL CHEMISTRY* 21 (9-10): 662-671.
- Vanhoenacker, G; Liu, L; Lynen, F; Madder, A; De Clercq, P; Sandra, P. 2002. Peptide sequence determination of peptidosteroids on a single bead by electrospray ionization-mass spectroscopy. *JOURNAL OF SEPARATION SCIENCE* 25 (10-11): 671-676.
- Baltussen, E; Cramers, CA; Sandra, PJF. 2002. Sorptive sample preparation - a review. *ANALYTICAL AND BIOANALYTICAL CHEMISTRY* 373 (1-2): 3-22.
- Tienpont, B; David, F; Desmet, K; Sandra, P. 2002. Stir bar sorptive extraction-thermal desorption-capillary GC-MS applied to biological fluids. *ANALYTICAL AND BIOANALYTICAL CHEMISTRY* 373 (1-2): 46-55.
- Sandra, P; David, F. 2002. High-throughput capillary gas chromatography for the determination of polychlorinated biphenyls and fatty acid methyl esters in food samples. *JOURNAL OF CHROMATOGRAPHIC SCIENCE* 40 (5): 248-253.
- Oswald, P; Desmet, K; Sandra, P; Krupcik, J; Armstrong, DW. 2002. Evaluation of reversible and irreversible models for the determination of the enantiomerization energy barrier for N-(p-methoxybenzyl)-1,3,2-benzodithiazol-1-oxide by supercritical fluid chromatography. *CHIRALITY* 14 (4): 334-339.

- Vanhoenacker, G; Van Rompaey, P; De Keukeleire, D; Sandra, P. 2002. Chemotaxonomic features associated with flavonoids of cannabinoid-free cannabis (*Cannabis sativa* subsp *sativa* L.) in relation to hops (*Humulus lupulus* L.). *NATURAL PRODUCT LETTERS* 16 (1): 57-63.
- Medvedovici, A; Lazou, K; d'Oosterlinck, A; Zhao, YN; Sandra, P. 2002. Analysis of jojoba oil by LC-coordination ion spray-MS (LC-CIS-MS). *JOURNAL OF SEPARATION SCIENCE* 25 (3): 173-178.
- Bicchi, C; Iori, C; Rubiolo, P; Sandra, P. 2002. Headspace sorptive extraction (HSSE), stir bar sorptive extraction (SBSE), and solid phase microextraction (SPME) applied to the analysis of roasted arabica coffee and coffee brew. *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY* 50 (3): 449-459.
- Spanik, I; Oswald, P; Krupcik, J; Benicka, E; Sandra, P; Armstrong, DW. 2002. Evaluation of non-polar interactions in chiral recognition by alkylated beta- and gamma-cyclodextrin chiral stationary phases. *JOURNAL OF SEPARATION SCIENCE* 25 (1-2): 45-52.
- Devos, C; Sandra, K; Sandra, P. 2002. Capillary gas chromatography inductively coupled plasma mass spectrometry (CGC-ICPMS) for the enantiomeric analysis of D,L-selenomethionine in food supplements and urine. *JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS* 27 (3-4): 507-514.
- Vanhoenacker, G; Van den Bosch, T; Rozing, G; Sandra, P. 2001. Recent applications of capillary electrochromatography. *ELECTROPHORESIS* 22 (19): 4064-4103.
- Lynen, F; Borremans, F; Sandra, P. 2001. Affinity chromatography on vancomycin coupled to reversed phase liquid chromatography/electrospray-ion trap mass spectrometry for the screening of combinatorial libraries. *CHROMATOGRAPHIA* 54 (7-8): 433-437.
- Vercammen, J; Pham-Tuan, H; Sandra, P. 2001. Automated dynamic sampling system for the on-line monitoring of biogenic emissions from living organisms. *JOURNAL OF CHROMATOGRAPHY A* 930 (1-2): 39-51.
- Vanhoenacker, G; De Keukeleire, D; Sandra, P. 2001. Capillary zone electrophoresis for the analysis of phthalate-derivatized hydroxyl- and amino-containing compounds. *JOURNAL OF SEPARATION SCIENCE* 24 (8): 651-657.
- Vanhoenacker, G; De Villiers, A; Lazou, K; De Keukeleire, D; Sandra, P. 2001. Comparison of high-performance liquid chromatography - Mass spectroscopy and capillary electrophoresis - Mass spectroscopy for the analysis of phenolic compounds in diethyl ether extracts of red wines. *CHROMATOGRAPHIA* 54 (5-6): 309-315.
- Sandra, P; Tienpont, B; Vercammen, J; Tredoux, A; Sandra, T; David, F. 2001. Stir bar sorptive extraction applied to the determination of dicarboximide fungicides in wine. *JOURNAL OF CHROMATOGRAPHY A* 928 (1): 117-126.
- De Smaele, T; Vercauteren, J; Moens, L; Dams, R; Sandra, P. 2001. Capillary GC-ICP-MS: Unsurpassed sensitivities for metal speciation in environmental samples. *AMERICAN LABORATORY* 33 (17): 39-+.
- Vanhoenacker, G; Goris, L; Sandra, P. 2001. Capillary zone electrophoresis for the characterization of latex particles. *ELECTROPHORESIS* 22 (12): 2490-2494.
- Medvedovici, A; David, V; Tache, F; David, F; Sandra, P. 2001. SPE-HPLC-DAD determination of Triton X-100 in perfusable solutions. *ANALYTICAL LETTERS* 34 (9): 1477-1486.
- Medvedovici, A; David, V; Sandra, P. 2000. Fast analysis of carbaryl by on-line SPE-SFC-DAD. *REVUE ROUMAINE DE CHIMIE* 45 (9): 827-833.
- Desmet, K; Sandra, P; Vizvardi, K; Hoornaert, GJ; Van der Eycken, E. 2001. Enantioselective packed column SFC for the separation of 2-oxatetracyclo [5.4.0.0(1,8).0(5,11)] undec-9-ene derivatives. *JOURNAL OF MICROCOLUMN SEPARATIONS* 13 (4): 163-168.

Lynen, F; Borremans, F; Sandra, P. 2001. Practical evaluation of the influence of excessive sample concentration on the estimation of dissociation constants with affinity capillary electrophoresis. *ELECTROPHORESIS* 22 (10): 1974-1978.

Maes, K; Vercammen, J; Pham-Tuan, H; Sandra, P; Debergh, PC. 2001. Critical aspects for the reliable headspace analysis of plants cultivated in vitro. *PHYTOCHEMICAL ANALYSIS* 12 (3): 153-158.

Louati, A; Elleuch, B; Sandra, P; David, F; Saliot, A; Dagaut, J; Oudot, J. 2001. Identification of thioesteranes in contaminated marine sediments from the Mediterranean sea by capillary GC-MS and capillary GC-AED. *JOURNAL OF MICROCOLUMN SEPARATIONS* 13 (3): 90-95.

Lee, ML; Sandra, P. 2001. Untitled. *JOURNAL OF MICROCOLUMN SEPARATIONS* 13 (2): 37-37.

Benijts, T; Vercammen, J; Dams, R; Tuan, HP; Lambert, W; Sandra, P. 2001. Stir bar sorptive extraction-thermal desorption-capillary gas chromatography-mass spectrometry applied to the analysis of polychlorinated biphenyls in human sperm. *JOURNAL OF CHROMATOGRAPHY B* 755 (1-2): 137-142.

Vizvardi, K; Desmet, K; Luyten, I; Sandra, P; Hoornaert, G; Van der Eycken, E. 2001. Asymmetric induction in intramolecular meta photocycloaddition: Cyclodextrin-mediated solid-phase photochemistry of various phenoxyalkenes. *ORGANIC LETTERS* 3 (8): 1173-1175.

Vercauteren, J; Peres, C; Devos, C; Sandra, P; Vanhaecke, F; Moens, L. 2001. Stir bar sorptive extraction for the determination of ppq-level traces of organotin compounds in environmental samples with thermal desorption-capillary gas Chromatography - ICP mass spectrometry. *ANALYTICAL CHEMISTRY* 73 (7): 1509-1514.

Vercammen, J; Pham-Tuan, H; Arickx, I; Van der Straeten, D; Sandra, P. 2001. Monitoring of isothiocyanates emanating from *Arabidopsis thaliana* upon paraquat spraying. *JOURNAL OF CHROMATOGRAPHY A* 912 (1): 127-134.

Krupcik, J; Oswald, P; Spanik, I; Majek, P; Bajdichova, M; Sandra, P; Armstrong, DW. 2000. On the use of a peak deconvolution procedure for the determination of energy barrier to enantiomerization in dynamic chromatography. *ANALUSIS* 28 (9): 859-863.

Vanhoenacker, G; Dermaux, A; De Keukeleire, D; Sandra, P. 2001. Single-run capillary electrochromatographic analysis of hop acids and prenylated hop flavonoids. *JOURNAL OF SEPARATION SCIENCE* 24 (1): 55-58.

Krupcik, J; Oswald, P; Spanik, I; Majek, P; Bajdichova, M; Sandra, P; Armstrong, DW. 2000. The use of computerized peak deconvolution for determination of energy barrier to enantiomerization in dynamic gas chromatography. *JOURNAL OF MICROCOLUMN SEPARATIONS* 12 (12): 630-636.

Tienpont, B; David, F; Vanwalleghem, F; Sandra, P. 2001. Pyrolysis-capillary gas chromatography-mass spectrometry for the determination of polyvinyl chloride traces in solid environmental samples. *JOURNAL OF CHROMATOGRAPHY A* 911 (2): 235-247.

Tienpont, B; David, F; Bicchi, C; Sandra, P. 2000. High capacity headspace sorptive extraction. *JOURNAL OF MICROCOLUMN SEPARATIONS* 12 (11): 577-584.

Tredoux, AGJ; Lauer, HH; Heideman, T; Sandra, P. 2000. The determination of benzoic acid in lemon flavored beverages by Stir Bar Sorptive Extraction-CGC-MS. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 23 (11): 644-646.

Peng, JY; Lynen, F; Sandra, P. 2000. Characterization of inulins by capillary electrophoresis with laser induced fluorescence detection. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 23 (11): 656-658.

Bicchi, C; Cordero, C; Iori, C; Rubiolo, P; Sandra, P. 2000. Headspace Sorptive Extraction (HSSE) in the headspace analysis of aromatic and medicinal plants. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 23 (9): 539-546.

- Vercammen, J; Sandra, P; Baltussen, E; Sandra, T; David, F. 2000. Considerations on static and dynamic sorptive and adsorptive sampling to monitor volatiles emitted by living plants. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 23 (9): 547-553.
- Medvedovici, A; David, F; David, V; Sandra, P. 2000. Analysis of xanthenes in beverages using a fully automated SPE-SFC-DAD hyphenated system. *ANNALI DI CHIMICA* 90 (7-8): 455-465.
- Zhao, Y; Lazou, K; Schelfaut, M; De Reu, L; Sandra, P. 2000. Determination of chlormequat residues in pears and pear concentrates by benchtop LC-ESI-MS. *CHROMATOGRAPHIA* 51 (9-10): 531-535.
- Rong, H; Zhao, Y; Lazou, K; De Keukeleire, D; Milligan, SR; Sandra, P. 2000. Quantitation of 8-prenylnaringenin, a novel phytoestrogen in hops (*Humulus lupulus* L.), hop products, and beers, by benchtop HPLC-MS using electrospray ionization. *CHROMATOGRAPHIA* 51 (9-10): 545-552.
- Vercauteren, J; De Meester, A; De Smaele, T; Vanhaecke, F; Moens, L; Dams, R; Sandra, P. 2000. Headspace solid-phase microextraction-capillary gas chromatography-ICP mass spectrometry for the determination of the organotin pesticide fentin in environmental samples. *JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY* 15 (6): 651-656.
- Rivasseau, C; Vanhoenacker, G; Sandra, P; Hennion, MC. 2000. On-line solid-phase extraction in microcolumn-liquid chromatography coupled to UV or MS detection: Application to the analysis of cyanobacterial toxins. *JOURNAL OF MICROCOLUMN SEPARATIONS* 12 (5): 323-332.
- Zhang, ZY; Van Aerschot, A; Hendrix, C; Busson, R; David, F; Sandra, P; Herdewijn, P. 2000. Synthesis of alanine and proline amino acids with amino or guanidinium substitution on the side chain. *TETRAHEDRON* 56 (16): 2513-2522.
- Tienpont, B; David, F; Sandra, P; Vanwalleghem, F. 2000. Evaluation of sorptive enrichment for the analysis of phthalates in air samples. *JOURNAL OF MICROCOLUMN SEPARATIONS* 12 (4): 194-203.
- Krupcik, J; Spanik, I; Oswald, P; Majek, P; Skacani, I; Sandra, P. 2000. On the calculation of Gibbs energy corresponding to enantioselective interactions at a direct HRGC separation of enantiomers. *CHIRALITY* 12 (3): 130-138.
- Pham-Tuan, H; Vercammen, J; Devos, C; Sandra, P. 2000. Automated capillary gas chromatographic system to monitor ethylene emitted from biological materials. *JOURNAL OF CHROMATOGRAPHY A* 868 (2): 249-259.
- Lynen, F; Zhao, Y; Becu, C; Borremans, F; Sandra, P. 1999. Considerations concerning interaction characterization of oligopeptide mixtures with vancomycin using affinity capillary electrophoresis-electrospray mass spectrometry. *ELECTROPHORESIS* 20 (12): 2462-2474.
- Verleysen, K; Van den Bosch, T; Sandra, P. 1999. Comparison of highly sulfated alpha-, beta-, and gamma-cyclodextrins and 18-crown-6-tetracarboxylic acid for the enantiomeric separation of some amino acids and derivatives by capillary electrophoresis. *ELECTROPHORESIS* 20 (13): 2650-2655.
- Dermaux, A; Sandra, P. 1999. Applications of capillary electrochromatography. *ELECTROPHORESIS* 20 (15-16): 3027-3065.
- Baltussen, E; David, F; Sandra, P; Cramers, C. 1999. On the performance and inertness of different materials used for the enrichment of sulfur compounds from air and gaseous samples. *JOURNAL OF CHROMATOGRAPHY A* 864 (2): 345-350.
- Lamiri, A; Medvedovici, A; David, F; David, V; Sandra, P. 1999. Off-line coupling liquid chromatography and capillary gas chromatography-mass spectrometry for ultratrace determination of Deltamethrin in mint oil. *CHEMIA ANALITYCZNA* 44 (6): 977-984.
- Baltussen, E; Sandra, P; David, F; Cramers, C. 1999. Stir bar sorptive extraction (SBSE), a novel extraction technique for aqueous samples: Theory and principles. *JOURNAL OF MICROCOLUMN SEPARATIONS* 11 (10): 737-747.

- Baltussen, E; David, F; Sandra, P; Janssen, HG; Cramers, C. 1999. Equilibrium sorptive enrichment on poly(dimethylsiloxane) particles for trace analysis of volatile compounds in gaseous samples. *ANALYTICAL CHEMISTRY* 71 (22): 5193-5198.
- Baltussen, E; Sandra, P; David, F; Janssen, HG; Cramers, C. 1999. Study into the equilibrium mechanism between water and poly(dimethylsiloxane) for very apolar solutes: Adsorption or sorption?. *ANALYTICAL CHEMISTRY* 71 (22): 5213-5216.
- Toribio, L; David, F; Sandra, P. 1999. Enantiomeric separation of some cyclic ketones and dioxalene derivatives by chiral SFC. *QUIMICA ANALITICA* 18 (3): 269-273.
- David, F; Sandra, P. 1999. Use of hydrogen as carrier gas in capillary GC. *AMERICAN LABORATORY* 31 (19): 18-19.
- Maurinsh, Y; Rosemeyer, H; Esnouf, R; Medvedovici, A; Wang, J; Ceulemans, G; Lescrinier, E; Hendrix, C; Busson, R; Sandra, P; Seela, F; Van Aerschot, A; Herdewijn, P. 1999. Synthesis and pairing properties of oligonucleotides containing 3-hydroxy-4-hydroxymethyl-1-cyclohexanyl nucleosides. *CHEMISTRY-A EUROPEAN JOURNAL* 5 (7): 2139-2150.
- Correa, RA; Ferraz, V; Medvedovici, A; Sandra, P; Cerne, K; David, F. 1999. Positional and configurational separation of fatty acid isomers by micro reversed-phase liquid chromatography with an Ag⁺-containing mobile phase. *JOURNAL OF CHROMATOGRAPHY A* 848 (1-2): 83-93.
- Pauwels, A; David, F; Schepens, P; Sandra, P. 1999. Automated gel permeation chromatographic clean-up of human adipose tissue for multiresidue analysis of organochlorine compounds. *INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY* 73 (3): 171-178.
- De Smet, R; David, F; Sandra, P; Lameire, N; Vanholder, R. 1999. A sensitive HPLC method for the quantification of free and total p-cresol in patients with chronic renal failure.. *KIDNEY INTERNATIONAL* 55 (6): 2608-2608.
- Dermaux, A; Medvedovici, A; Ksir, M; Van Hove, E; Talbi, M; Sandra, P. 1999. Elucidation of the triglycerides in fish oil by packed-column supercritical fluid chromatography fractionation followed by capillary electrochromatography and electrospray mass spectrometry. *JOURNAL OF MICROCOLUMN SEPARATIONS* 11 (6): 451-459.
- Baltussen, E; David, F; Sandra, P; Janssen, HG; Cramers, C. 1999. Automated sorptive extraction-thermal desorption-gas chromatography-mass spectrometry analysis: Determination of phenols in water samples. *JOURNAL OF MICROCOLUMN SEPARATIONS* 11 (6): 471-474.
- David, F; Gere, DR; Scanlan, F; Sandra, P. 1999. Instrumentation and applications of fast high-resolution capillary gas chromatography. *JOURNAL OF CHROMATOGRAPHY A* 842 (1-2): 309-319.
- Baltussen, E; den Boer, A; Sandra, P; Janssen, HG; Cramers, C. 1999. Monitoring of nicotine in air using sorptive enrichment on polydimethylsiloxane and TD-CGC-NPD. *CHROMATOGRAPHIA* 49 (9-10): 520-524.
- De Smaele, T; Moens, L; Sandra, P; Dams, R. 1999. Determination of organometallic compounds in surface water and sediment samples with SPME-CGC-ICPMS. *MIKROCHIMICA ACTA* 130 (4): 241-251.
- Medvedovici, A; David, V; David, F; Sandra, P. 1999. Optimization in the formaldehyde determination at sub-PPM level from acetals by HPLC-DAD. *ANALYTICAL LETTERS* 32 (3): 581-592.
- Verleysen, K; Sabah, S; Scriba, G; Sandra, P. 1999. Enantioseparation of aspartyl dipeptides by CE: Comparison between 18-crown-6-tetracarboxylic acid and carboxymethyl-beta-cyclodextrin as chiral selector. *CHROMATOGRAPHIA* 49 (3-4): 215-218.
- Van Holderbeke, M; Zhao, YN; Vanhaecke, F; Moens, L; Dams, R; Sandra, P. 1999. Speciation of six arsenic compounds using capillary electrophoresis inductively coupled plasma mass spectrometry. *JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY* 14 (2): 229-234.

Dermaux, A; Sandra, P; Ferraz, V. 1999. Analysis of free fatty acids and fatty acid phenacyl esters in vegetable oils and margarine by capillary electrochromatography. *ELECTROPHORESIS* 20 (1): 74-79.

Verleysen, K; Sandra, P. 1999. Experimentation with chiral CE: The application of two chiral selectors and partial filling with chiral selector. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 22 (1): 33-38.

Verleysen, K; Sandra, P. 1999. Enantiomeric separation of some amino acids and derivatives by capillary electrophoresis with 18-crown-6-tetracarboxylic acid as chiral selector. *JOURNAL OF MICROCOLUMN SEPARATIONS* 11 (1): 37-43.

Verleysen, K; Sandra, P. 1998. Separation of chiral compounds by capillary electrophoresis. *ELECTROPHORESIS* 19 (16-17): 2798-2833.

De Smet, R; David, F; Sandra, P; Van Kaer, J; Lesaffer, G; Dhondt, A; Lameire, N; Vanholder, R. 1998. A sensitive HPLC method for the quantification of free and total p-cresol in patients with chronic renal failure. *CLINICA CHIMICA ACTA* 278 (1): 1-21.

Baltussen, E; David, F; Sandra, P; Janssen, HG; Cramers, C. 1998. Capillary GC determination of amines in aqueous samples using sorptive preconcentration on polydimethylsiloxane and polyacrylate phases. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 21 (12): 645-648.

Vercammen, J; Verleysen, K; Sandra, P. 1998. Experiments with organic modifiers in reversed-flow MEKC. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 21 (11): 605-607.

Remberg, G; Sandra, P; Nyiry, W; Winker, N; Nikiforov, A. 1998. Calculation of the polychlorinated terphenyl congener distribution and gas chromatographic retention behavior of selected single standards on four stationary liquid phases. *FRESENIUS JOURNAL OF ANALYTICAL CHEMISTRY* 362 (4): 404-408.

Verleysen, K; Sabah, S; Scriba, G; Chen, A; Sandra, P. 1998. Evaluation of the enantioselective possibilities of sulfated cyclodextrins for the separation of aspartyl di- and tripeptides in capillary electrophoresis. *JOURNAL OF CHROMATOGRAPHY A* 824 (1): 91-97.

Dermaux, A; Sandra, P; Ksir, M; Zarrouck, KFF. 1998. Analysis of the triglycerides and the free and derivatized fatty acids in fish oil by capillary electrochromatography. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 21 (10): 545-548.

Dermaux, A; Lynen, F; Sandra, P. 1998. Chiral capillary electrochromatography on a vancomycin stationary phase. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 21 (10): 575-576.

Zhao, YI; Schelfaut, M; Sandra, P; Banks, F. 1998. Capillary electrophoresis and capillary electrophoresis electrospray - mass spectroscopy for the analysis of heterocyclic amines. *ELECTROPHORESIS* 19 (12): 2213-2219.

Sandra, P; Moens, M. 1998. ICPMS as element specific detector in capillary separations.. *ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY* 216: U202-U203, Part 1.

Verleysen, K; Vandijck, J; Schelfaut, M; Sandra, P. 1998. Enantiomeric separations in capillary electrophoresis using 18-crown-6-tetracarboxylic acid (18C6H₄) as buffer additive. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 21 (6): 323-331.

Baltussen, E; David, F; Sandra, P; Janssen, HG; Cramers, CA. 1998. Sorption tubes packed with polydimethylsiloxane: A new and promising technique for the preconcentration of volatiles and semi-volatiles from air and gaseous samples. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 21 (6): 332-340.

Van der Eycken, E; Carlens, G; Messens, J; Zhao, YN; Bauw, G; Van der Eycken, J; Sandra, P; Van Montagu, M. 1998. Synthesis of L-xylo-hexos-2-ulose (L-sorbosone) and its characterisation by chromatographic and spectroscopic techniques. *JOURNAL OF CHROMATOGRAPHY A* 811 (1-2): 261-268.

Baltussen, E; David, F; Sandra, P; Janssen, HG; Cramers, CA. 1998. Retention model for sorptive extraction thermal desorption of aqueous samples: application to the automated analysis of pesticides and polyaromatic hydrocarbons in water samples. *JOURNAL OF CHROMATOGRAPHY A* 805 (1-2): 237-247.

Krupcik, J; Spanik, I; Oswald, P; Skacani, I; Onuska, FI; Sandra, P. 1998. Evaluation of enantioselective interactions in direct separation of enantiomers by gas chromatography. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 21 (3): 197-199.

Baltussen, E; Snijders, H; Janssen, HG; Sandra, P; Cramers, CA. 1998. Determination of phenylurea herbicides in water samples using on-line sorptive preconcentration and high-performance liquid chromatography with UV of electrospray mass spectrometric detection. *JOURNAL OF CHROMATOGRAPHY A* 802 (2): 285-295.

Steyn, PL; Segers, P; Vancanneyt, M; Sandra, P; Kersters, K; Joubert, JJ. 1998. Classification of heparinolytic bacteria into a new genus, *Pedobacter*, comprising four species: *Pedobacter heparinus* comb. nov., *Pedobacter piscium* comb. nov., *Pedobacter africanus* sp. nov. and *Pedobacter saltans* sp. nov. Proposal of the family *Sphingobacteriaceae* fam. nov.. *INTERNATIONAL JOURNAL OF SYSTEMATIC BACTERIOLOGY* 48: 165-177, Part 1.

De Keukeleire, D; David, F; Haghebaert, K; Sandra, P. 1998. Automated reporting on the quality of hops and hop products. *JOURNAL OF THE INSTITUTE OF BREWING* 104 (2): 75-82.

Medvedovici, AV; David, V; David, F; Sandra, P. 1998. Analysis of polyaromatic hydrocarbons in water samples, at ppt level, using on-line solid phase extraction-reversed phase liquid chromatography fluorescence detection. *CHEMIA ANALITYCZNA* 43 (1): 47-56.

De Smaele, T; Moens, L; Dams, R; Sandra, P; Van der Eycken, J; Vandyck, J. 1998. Sodium tetra(n-propyl)borate: a novel aqueous in situ derivatization reagent for the simultaneous determination of organomercury, -lead and -tin compounds with capillary gas chromatography inductively coupled plasma mass spectrometry. *JOURNAL OF CHROMATOGRAPHY A* 793 (1): 99-106.

Medvedovici, A; David, F; Desmet, G; Sandra, P. 1998. Fractionation of nitro and hydroxy polynuclear aromatic hydrocarbons from extracts of air particulates by supercritical fluid chromatography. *JOURNAL OF MICROCOLUMN SEPARATIONS* 10 (1): 89-97.

Spanik, I; Krupcik, J; Skacani, I; de Zeeuw, J; Galli, M; Sandra, P. 1997. Capillary gas chromatographic separation of C-10-C-12 secondary phenylalkanes on modified cyclodextrin stationary phases. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 20 (12): 688-692.

Wagenaar, H; Langeland, K; Hardman, R; Sergeant, Y; Brenner, K; Sandra, P; Rappe, C; Fernandes, A; Tiernan, T. 1998. Analysis of PCDDs and PCDFs in virgin suspension PVC resin. *CHEMOSPHERE* 36 (1): 1-12.

Medvedovici, A; Sandra, P; David, F. 1997. Construction of an interface for SPME-PCSF. *HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY* 20 (11): 619-620.

Medvedovici, A; Sandra, P; Toribio, L; David, F. 1997. Chiral packed column subcritical fluid chromatography on polysaccharide and macrocyclic antibiotic chiral stationary phases.. *JOURNAL OF CHROMATOGRAPHY A* 785 (1-2): 159-171.

Krupcik, J; Grena, M; Spanik, I; Benicka, E; Hrouzek, J; Skacani, I; Sandra, P. 1997. Computerized optimization of selectivity for direct capillary gas chromatographic multicomponent separations of enantiomers. *JOURNAL OF CHROMATOGRAPHY A* 779 (1-2): 253-262.

Medvedovici, A; David, F; Sandra, P. 1997. Determination of the rodenticides warfarin, diphenadione and chlorophacinone in soil samples by HPLC-DAD. *TALANTA* 44 (9): 1633-1640.

Sandra, P; Dermaux, A; Ferraz, V; Dittmann, MM; Rozing, G. 1997. Analysis of triglycerides by capillary electrochromatography. *JOURNAL OF MICROCOLUMN SEPARATIONS* 9 (5): 409-419.

Joye, D; Hoebregs, H; Sandra, P. 1997. Quantitative determination of reducing sugars and raffinose in white beet sugar and beet molasses by fully automated capillary gas chromatography. ZUCKERINDUSTRIE 123 (6): 455-458.

Baltussen, E; Janssen, HG; Sandra, P; Cramers, CA. 1997. A new method for sorptive enrichment of gaseous samples: Application in air analysis and natural gas characterization. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 20 (7): 385-393.

Baltussen, E; Janssen, HG; Sandra, P; Cramers, CA. 1997. A novel type of liquid/liquid extraction for the preconcentration of organic micropollutants from aqueous samples: Application to the analysis of PAH's and OCP's in water. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 20 (7): 395-399.

Bouaicha, N; Ammar, M; Hennion, MC; Sandra, P. 1997. A new method for determination of maitotoxin by capillary zone electrophoresis with ultraviolet detection. TOXICON 35 (6): 955-962.

Verleysen, K; Sandra, P. 1997. Analysis of phospholipids in lecithins. Separation according to hydrophobicity by lowering the temperature. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 20 (6): 337-339.

VanOverbeke, A; Sandra, P; Medvedovici, A; Baeyens, W; Aboulenein, HY. 1997. Application of chiralcel OJ in supercritical fluid chromatography for the resolution of different groups of frequently used drug racemates. CHIRALITY 9 (2): 126-132.

Moens, L; DeSmaele, T; Dams, R; VandenBroeck, P; Sandra, P. 1997. Sensitive, simultaneous determination of organomercury, -lead, and -tin compounds with headspace solid phase microextraction capillary gas chromatography combined with inductively coupled plasma mass spectrometry. ANALYTICAL CHEMISTRY 69 (8): 1604-1611.

Bouaicha, N; Hennion, MC; Sandra, P. 1997. Determination of okadaic acid by micellar electrokinetic chromatography with ultraviolet detection. TOXICON 35 (2): 273-281.

Lindner, A; Vanholder, R; DeSmet, R; Hinds, TR; Vogeleere, P; Sandra, P; Foxall, P; Ringoir, S. 1997. HPLC fractions of human uremic plasma inhibit the RBC membrane calcium pump. KIDNEY INTERNATIONAL 51 (4): 1042-1052.

Medvedovici, A; David, F; Sandra, P. 1997. Analysis of sterols in vegetable oils using off-line SFC/capillary GC-MS. CHROMATOGRAPHIA 44 (1-2): 37-42.

Rivasseau, C; Hennion, MC; Sandra, P. 1996. Determination of microcystins in cyanobacterial samples using microliquid chromatography. JOURNAL OF MICROCOLUMN SEPARATIONS 8 (8): 541-551.

Lalljie, SPD; Barroso, MB; Steenackers, D; Alonso, RM; Jimenez, RM; Sandra, P. 1997. Micellar electrokinetic chromatography as a fast screening method for the determination of the doping agents furosemide and piretanide in urine. JOURNAL OF CHROMATOGRAPHY B 688 (1): 71-78.

VanHove, E; Szucs, R; Sandra, P. 1996. Alcohol modifiers in MEKC with SDS as surfactant, study on the influence of the alcohol chain length (C-1-C-12). HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 19 (12): 674-678.

Garcia, KE; Medvedovici, A; Ferraz, V; Sandra, P. 1996. Fast chiral separation by microbore SFC on the 3,5-dimethylphenyl carbamate derivative of cellulose. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 19 (10): 569-570.

Bouaicha, N; Rivasseau, C; Hennion, MC; Sandra, P. 1996. Detection of cyanobacterial toxins (microcystins) in cell extracts by micellar electrokinetic chromatography. JOURNAL OF CHROMATOGRAPHY B-BIOMEDICAL APPLICATIONS 685 (1): 53-57.

DeSmaele, T; Moens, L; Dams, R; Sandra, P. 1996. ICP-MS - A sensitive detection method for metal speciation with capillary GC. LC GC-MAGAZINE OF SEPARATION SCIENCE 14 (10): 876-&.

- Sandra, P; David, F. 1996. Influence of the nature of the carrier gas on the efficiency of HMW-PEG coated capillary columns operated in the GLC and GSC mode. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 19 (6): 363-364.
- DeSmaele, T; Moens, L; Dams, R; Sandra, P. 1996. Capillary gas chromatography ICP mass spectrometry: A powerful hyphenated technique for the determination of organometallic compounds. FRESenius JOURNAL OF ANALYTICAL CHEMISTRY 355 (7-8): 778-782.
- Szucs, R; Verleysen, K; Duchateau, GSMJE; Sandra, P; Vandeginste, BGM. 1996. Analysis of phospholipids in lecithins - Comparison between micellar electrokinetic chromatography and high-performance liquid chromatography. JOURNAL OF CHROMATOGRAPHY A 738 (1): 25-29.
- Szucs, R; VanHove, E; Sandra, P. 1996. Micellar and microemulsion electrokinetic chromatography of hop bitter acids. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 19 (4): 189-192.
- Medvedovici, A; Sandra, P; Kot, A; Kolodziejczyk, A. 1996. Study on the separation of D,L- and meso-N,N'-di(carbobenzyloxy)-2,6-diaminopimelic acid by SFC. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 19 (4): 227-228.
- Lalljie, SPD; Vindevogel, J; Murugan, G; Dumont, HJ; Sandra, P. 1996. Determination of ions, amino acids amines in the haemolymph of fairy shrimps by capillary electrophoresis with indirect UV and laser-induced fluorescence detection. HYDROBIOLOGIA 319 (2): 103-109.
- Benicka, E; Novakovsky, R; Hrouzek, J; Krupcik, J; Sandra, P; deZeeuw, J. 1996. Multidimensional gas chromatographic separation of selected PCB atropisomers in technical formulations and sediments. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 19 (2): 95-98.
- Benicka, E; Krupcik, J; Spanik, I; Hrouzek, J; Sandra, P. 1996. Retention behavior of N-TFA-O-alkyl derivatives of selected amino acid enantiomers separated on modified cyclodextrins by HRGC. JOURNAL OF MICROCOLUMN SEPARATIONS 8 (1): 57-65.
- Bicchi, C; Rubiolo, P; Fresia, N; David, F; Sandra, P. 1996. Analysis of constituents of Iris rhizomes .3. Packed column supercritical fluid chromatography and high pressure liquid chromatography of iridals from rhizomes of Iris pallida L. PHYTOCHEMICAL ANALYSIS 7 (1): 37-41.
- VANHOVE, E; SANDRA, P. 1995. CONSIDERATIONS ON THE ENANTIOMERIC SEPARATION BY MEKC OF N-BZ-AMINO ACIDS WITH N-DODECOXYCARBONYLVALINE AS CHIRAL SELECTOR. JOURNAL OF LIQUID CHROMATOGRAPHY 18 (18-19): 3675-3683.
- SANDRA, P. 1995. IN-MEMORIAM - PROFESSOR DR VENEMA,A.(NOL) 1940-1994. JOURNAL OF MICROCOLUMN SEPARATIONS 7 (4): 301-302.
- SANDRA, P; FRANK, H. 1995. 16TH BIRTHDAY OF CRAMERS,KAREL - AN APPRECIATION. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 18 (9): 513-513.
- SANDRA, P; BELTRAN, J; DAVID, F. 1995. ENHANCED SELECTIVITY IN THE DETERMINATION OF TRIAZINES IN ENVIRONMENTAL-SAMPLES BY BENCHTOP CGC-MS-MS. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 18 (9): 545-550.
- CHEN, J; STEENACKERS, D; SANDRA, P. 1995. MICRO LC ON CELLULOSE TRIACETATE (CTA) - INFLUENCE OF PARTICLE DIAMETER AND COLUMN TEMPERATURE. JOURNAL OF MICROCOLUMN SEPARATIONS 7 (3): 259-263.
- BUDA, WM; JAQUES, K; VENEMA, A; SANDRA, P. 1995. RETENTION ON MIXED CYCLODEXTRIN/POLYSILOXANE STATIONARY PHASES IN CAPILLARY GC - EVIDENCE FOR THE INTERACTION OF CYCLODEXTRIN AND POLYSILOXANE. FRESenius JOURNAL OF ANALYTICAL CHEMISTRY 352 (7-8): 679-683.
- KRUPCIK, J; MAJEKOVA, M; MAJEK, P; HROUZEK, J; BENICKA, E; ONUSKA, F; SANDRA, P; DEZEEUW, J. 1995. ON THE INTERCONVERSION ENERGY BARRIERS OBTAINED FOR

ATROPISOMERS OF SOME POLYCHLORINATED-BIPHENYLS BY AM1 SEMIEMPIRICAL QUANTUM-CHEMISTRY METHOD AND GAS-CHROMATOGRAPHY ON A MODIFIED CYCLODEXTRIN STATIONARY-PHASE. FRESenius JOURNAL OF ANALYTICAL CHEMISTRY 352 (7-8): 696-698.

SANDRA, P. 1995. CHROMATOGRAPHIC METHODS FOR THE ANALYSIS OF CRUDE TALL-OIL. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 18 (7): 425-432.

Nogueira, JMF; Pereira, JLC; Sandra, P. 1995. CHROMATOGRAPHIC METHODS FOR THE ANALYSIS OF CRUDE TALL-OIL. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 18 (7): 425-432.

KRUPCIK, J; HEVESI, T; SANDRA, P. 1995. PEAK-CAPACITY CALCULATION IN CAPILLARY GAS-LIQUID-CHROMATOGRAPHY. COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS 60 (4): 559-567.

CORNIL, V; OOGHE, W; SANDRA, P. 1995. DETECTION OF SUGAR ADDITION TO CITRUS JUICES BY CAPILLARY GC. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 18 (5): 286-288.

JAQUES, K; BUDA, WM; VENEMA, A; SANDRA, P. 1995. ENANTIOSELECTIVE SEPARATIONS BY CAPILLARY GAS-CHROMATOGRAPHY ON DERIVATIZED CYCLODEXTRINS .4. ENANTIOSELECTIVE INTERACTION-MODEL OF 2,2-DIALKYL-4-ALKOXYCARBONYL-1,3-DIOXOLANE DERIVATIVES ON SOME SUBSTITUTED CYCLODEXTRINS. JOURNAL OF MICROCOLUMN SEPARATIONS 7 (2): 145-151.

SANDRA, P; KOT, A; MEDVEDOVICI, A; DAVID, F. 1995. SELECTED APPLICATIONS OF THE USE OF SUPERCRITICAL FLUIDS IN COUPLED SYSTEMS. JOURNAL OF CHROMATOGRAPHY A 703 (1-2): 467-478.

LALLJIE, SPD; SANDRA, P. 1995. MEKC ANALYSIS OF FITC AND DTAF AMINO-ACID DERIVATIVES WITH LIF DETECTION. CHROMATOGRAPHIA 40 (9-10): 513-518.

LALLJIE, SPD; SANDRA, P. 1995. PRACTICAL AND QUANTITATIVE ASPECTS IN THE ANALYSIS OF FITC AND DTAF AMINO-ACID DERIVATIVES BY CAPILLARY ELECTROPHORESIS AND LIF DETECTION. CHROMATOGRAPHIA 40 (9-10): 519-526.

STEENACKERS, D; SANDRA, P. 1995. CAPILLARY GC ON 50-MICROMETER ID COLUMNS COATED WITH THICK-FILMS - THEORY AND SELECTED PRACTICAL RESULTS. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 18 (2): 77-82.

SIPPOLA, E; DAVID, F; SANDRA, P. 1995. COMPARISON OF POLYDIMETHYL SILOXANE STATIONARY PHASES WITH 5-PERCENT AND 50-PERCENT PHENYL SUBSTITUTION FOR THE SEPARATION OF ORGANOPHOSPHORUS AND ORGANONITROGEN PESTICIDES UNDER OPTIMIZED GAS-CHROMATOGRAPHIC CONDITIONS. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 18 (2): 111-114.

SANDRA, P. 1995. VENEMA, A. 1940-1994 - IN-MEMORIAM. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 18 (1): 1-1.

PENA, A; SANDRA, P. 1995. CHEMOTAXONOMIC CHARACTERIZATION OF YEAST-CELLS. JOURNAL OF CHROMATOGRAPHIC SCIENCE 33 (3): 116-122.

KRUPCIK, J; SKACANI, I; BENICKA, E; SANDRA, P. 1994. DEPENDENCE OF GAS-CHROMATOGRAPHIC RETENTION DATA OF HYDROCARBONS ON THE FILM THICKNESS OF THE POLYDIMETHYLSILOXANE STATIONARY-PHASE. COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS 59 (11): 2390-2396.

KORMAN, M; VINDEVOGEL, J; SANDRA, P. 1994. APPLICATION OF MICELLAR ELECTROKINETIC CHROMATOGRAPHY TO THE QUALITY-CONTROL OF PHARMACEUTICAL FORMULATIONS - THE ANALYSIS OF XANTHINE DERIVATIVES. ELECTROPHORESIS 15 (10): 1304-1309.

SIPPOLA, E; HIMBERG, K; DAVID, F; SANDRA, P. 1994. REAL-TIME CONTROLLED MULTIDIMENSIONAL GAS-CHROMATOGRAPHY WITH ELECTRONIC PRESSURE CONTROL - APPLICATION TO CHLOROBIPHENYL ANALYSIS. JOURNAL OF CHROMATOGRAPHY A 683 (1): 45-50.

KOT, A; SANDRA, P; VENEMA, A. 1994. SUBCRITICAL AND SUPERCRITICAL FLUID CHROMATOGRAPHY ON PACKED-COLUMNS - A VERSATILE TOOL FOR THE ENANTIOSELECTIVE SEPARATION OF BASIC AND ACIDIC DRUGS. JOURNAL OF CHROMATOGRAPHIC SCIENCE 32 (10): 439-448.

VANLEUKEN, R; MERTENS, M; JANSSEN, HG; SANDRA, P; KWAKKENBOS, G; DEELDER, R. 1994. OPTIMIZATION OF CAPILLARY SFC-MS FOR THE DETERMINATION OF ADDITIVES IN POLYMERS. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 17 (8): 573-576.

LINDNER, A; VANHOLDER, R; DESMET, R; VOGELEERE, P; SANDRA, P; HINDS, T; RINGOIR, S. 1994. AN INHIBITOR OF THE RBC CALCIUM-PUMP IN HPLC FRACTIONS OF HUMAN UREMIC PLASMA. JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY 5 (3): 948-948.

STEENACKERS, D; SANDRA, P. 1994. PREPARATION OF SMALL-DIAMETER THICK-FILM CAPILLARY COLUMNS FOR MICROCOLUMN SEPARATIONS. JOURNAL OF MICROCOLUMN SEPARATIONS 6 (4): 361-367.

KAMEL, A; SANDRA, P. 1994. GAS-CHROMATOGRAPHY MASS-SPECTROMETRY ANALYSIS OF THE VOLATILE OILS OF 2 TEUCRIUM POLIUM VARIETIES. BIOCHEMICAL SYSTEMATICS AND ECOLOGY 22 (5): 529-532.

STEENACKERS, D; SANDRA, P. 1994. ON THE ANALYSIS OF POLAR SOLUTES ON 50 MU-M ID OPEN-TUBULAR LC COLUMNS. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 17 (7): 557-559.

SKOCIR, E; VINDEVOGEL, J; SANDRA, P. 1994. SEPARATION OF 23 DANSYLATED AMINO-ACIDS BY MICELLAR ELECTROKINETIC CHROMATOGRAPHY AT LOW-TEMPERATURE. CHROMATOGRAPHIA 39 (1-2): 7-10.

VINDEVOGEL, J; SANDRA, P. 1994. ON THE POSSIBILITY OF PERFORMING CHIRAL WALL-COATED OPEN-TUBULAR ELECTROCHROMATOGRAPHY IN 50-MU-M INTERNAL DIAMETER CAPILLARIES. ELECTROPHORESIS 15 (6): 842-847.

SZUCS, R; VINDEVOGEL, J; EVERAERT, E; DECOOMAN, L; SANDRA, P; DEKEUKELEIRE, D. 1994. SEPARATION AND QUANTIFICATION OF ALL MAIN HOP ACIDS IN DIFFERENT HOP CULTIVARS BY MICROEMULSION ELECTROKINETIC CHROMATOGRAPHY. JOURNAL OF THE INSTITUTE OF BREWING 100 (4): 293-296.

KOT, A; SANDRA, P; DAVID, F. 1994. SELECTIVITY TUNING IN PACKED-COLUMN SFC SEPARATION OF THE 16 PRIORITY POLYCYCLIC AROMATIC-HYDROCARBONS AS AN EXAMPLE. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 17 (4): 277-279.

JAQUES, K; BUDA, WM; VENEMA, A; SANDRA, P. 1994. ENANTIOSELECTIVE SEPARATIONS BY CAPILLARY GAS-CHROMATOGRAPHY ON DERIVATIZED CYCLODEXTRINS .3. SEPARATION OF SOME RACEMIC 2,2-DIALKYL-4-ALKOXYCARBONYL-1,3-DIOXOLANE DERIVATIVES ON 2,3-DI-O-ACETYL-6-O-TERT-BUTYLDIMETHYLSILYL-BETA-CYCLODEXTRIN AND 2,3-DI-O-ACETYL-6-O-TERT-BUTYLDIMETHYLSILYL-GAMMA-CYCLODEXTRIN. JOURNAL OF CHROMATOGRAPHY A 666 (1-2): 131-136.

REGUEIRO, JAG; DIAZ, I; DAVID, F; SANDRA, P. 1994. POSSIBILITIES OF PTV INJECTION FOR THE ANALYSIS OF TRIGLYCERIDES. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 17 (3): 180-183.

KRUPCIK, J; SPANIK, I; SANDRA, P. 1994. SEPARATION OF C-11 C-14 BRANCHED-CHAIN ALCOHOLS BY HIGH-RESOLUTION GAS-CHROMATOGRAPHY ON A MODIFIED BETA-CYCLODEXTRIN STATIONARY-PHASE. JOURNAL OF CHROMATOGRAPHY A 665 (1): 163-168.

KRUPCIK, J; BENICKA, E; MAJEK, P; SKACANI, I; SANDRA, P. 1994. RELATIONSHIP BETWEEN STRUCTURE AND CHROMATOGRAPHIC BEHAVIOR OF SECONDARY ALCOHOLS AND THEIR DERIVATIVES SEPARATED BY HIGH-RESOLUTION GAS-CHROMATOGRAPHY WITH A MODIFIED BETA-CYCLODEXTRIN STATIONARY-PHASE. JOURNAL OF CHROMATOGRAPHY A 665 (1): 175-184.

DONATO, MG; BAEYENS, W; VANDENBOSSCHE, W; SANDRA, P. 1994. THE DETERMINATION OF NONSTEROIDAL ANTIINFLAMMATORY DRUGS IN PHARMACEUTICALS BY CAPILLARY ZONE ELECTROPHORESIS AND MICELLAR ELECTROKINETIC CAPILLARY CHROMATOGRAPHY. JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS 12 (1): 21-26.

JAQUES, K; BUDA, W; DUMORTIER, L; VANDEREYCKEN, J; VENEMA, A; SANDRA, P. 1994. ENANTIOSELECTIVE SEPARATIONS BY CAPILLARY GC ON DERIVATIZED CYCLODEXTRINS .2. DETERMINATION OF ENANTIOMERIC EXCESS OF SOME RACEMIC 2,3-ISOPROPYLIDENE 1,2,3-CYCLOHEXANETRIOL DERIVATIVES ON PERMETHYL ALPHA-CYCLODEXTRIN, BETA-CYCLODEXTRIN, AND GAMMA-CYCLODEXTRIN. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 17 (2): 72-73.

LALLJIE, SPD; VINDEVOGEL, J; SANDRA, P. 1993. QUANTITATION OF ORGANIC-ACIDS IN SUGAR REFINERY JUICES WITH CAPILLARY ZONE ELECTROPHORESIS AND INDIRECT UV DETECTION. JOURNAL OF CHROMATOGRAPHY A 652 (2): 563-569.

JAQUES, K; BUDA, WM; POTTIE, M; VANDEREYCKEN, J; VANDEWALLE, M; VENEMA, A; SANDRA, P. 1993. ENANTIOSELECTIVE SEPARATIONS BY CAPILLARY GC ON DERIVATIZED CYCLODEXTRINS .1. SEPARATION OF SOME RACEMIC 2,2-DIALKYL-4-ALKOXYCARBONYL-1,3-DIOXOLANE DERIVATIVES ON PERMETHYLATED ALPHA-CYCLODEXTRIN, BETA-CYCLODEXTRIN AND GAMMA-CYCLODEXTRIN. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 16 (12): 703-707.

HIMBERG, K; SIPPOLA, E; DAVID, F; SANDRA, P. 1993. REAL-TIME CONTROL OF COLUMN-SWITCHING IN MULTIDIMENSIONAL GAS-CHROMATOGRAPHY. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 16 (11): 645-650.

KORMAN, M; VINDEVOGEL, J; SANDRA, P. 1993. APPLICATION OF CAPILLARY ELECTROPHORESIS TO THE QUALITY-CONTROL OF PHARMACEUTICAL FORMULATIONS - EFFECT OF AREA CORRECTION ON QUANTITATION OF ANTITUSSIVES. JOURNAL OF MICROCOLUMN SEPARATIONS 5 (6): 525-530.

CHEN, J; STEENACKERS, D; MEDVEDOVICI, A; SANDRA, P. 1993. TEMPERATURE OPTIMIZATION FOR THE SEPARATION OF PAHS ON MICROPACKED LC ODS COLUMNS. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 16 (10): 605-608.

VENEMA, A; VANDEVEN, HJFM; DAVID, F; SANDRA, P. 1993. SUPERCRITICAL-FLUID EXTRACTION OF NYLON-6 - AN INVESTIGATION INTO THE FACTORS AFFECTING THE EFFICIENCY OF EXTRACTION OF CAPROLACTAM AND ITS OLIGOMERS. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 16 (9): 522-524.

AGUIN, ML; VINDEVOGEL, J; SANDRA, P. 1993. UTILIZATION OF THE BISULFITE ADDITION-REACTION FOR THE SEPARATION OF NEUTRAL ALDEHYDES BY CAPILLARY ELECTROPHORESIS. CHROMATOGRAPHIA 37 (7-8): 451-454.

KORMAN, M; VINDEVOGEL, J; SANDRA, P. 1993. SEPARATION OF CODEINE AND ITS BY-PRODUCTS BY CAPILLARY ZONE ELECTROPHORESIS AS A QUALITY-CONTROL TOOL IN THE PHARMACEUTICAL-INDUSTRY. JOURNAL OF CHROMATOGRAPHY 645 (2): 366-370.

DEMUYNCK, C; LALLJIE, SPD; SANDRA, P; DERUDDER, D; VANAERDE, P; REMON, JP. 1993. CHEMICAL AND PHYSICO-CHEMICAL CHARACTERIZATION OF PETROLATUMS USED IN EYE OINTMENT FORMULATIONS. JOURNAL OF PHARMACY AND PHARMACOLOGY 45 (6): 500-503.

DONATO, MG; VANDENECKHOUT, E; VANDENBOSSCHE, W; SANDRA, P. 1993. CAPILLARY ZONE ELECTROPHORESIS AND MICELLAR ELECTROKINETIC CAPILLARY CHROMATOGRAPHY OF SOME NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAIDS). JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS 11 (3): 197-201.

SZUCS, R; VINDEVOGEL, J; SANDRA, P; VERHAGEN, LC. 1993. SAMPLE STACKING EFFECTS AND LARGE INJECTION VOLUMES IN MICELLAR ELECTROKINETIC CHROMATOGRAPHY OF IONIC COMPOUNDS - DIRECT DETERMINATION OF ISO-ALPHA-ACIDS IN BEER. CHROMATOGRAPHIA 36: 323-329.

DAVID, F; SANDRA, P. 1993. CHARACTERIZATION OF POLYMER ADDITIVES USING HIGH-TEMPERATURE CAPILLARY GAS-CHROMATOGRAPHY - POSSIBILITIES OF ATOMIC EMISSION DETECTION. LC GC-MAGAZINE OF SEPARATION SCIENCE 11 (4): 282-&.

SIPPOLA, E; DAVID, F; SANDRA, P. 1993. TEMPERATURE PROGRAM OPTIMIZATION BY COMPUTER-SIMULATION FOR THE CAPILLARY GC ANALYSIS OF FATTY-ACID METHYL-ESTERS ON BISCYANOPROPYL SILOXANE PHASES. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 16 (2): 95-100.

DAVID, F; VERSCHUERE, M; SANDRA, P. 1992. OFF-LINE SUPERCRITICAL FLUID EXTRACTION-CAPILLARY GC APPLICATIONS IN ENVIRONMENTAL-ANALYSIS. FRESENIUS JOURNAL OF ANALYTICAL CHEMISTRY 344 (10-11): 479-485.

REPKA, D; SANDRA, P; KRUPCIK, J. 1992. CONTRIBUTION TO THE USE OF THRESHOLD CRITERIA FOR THE OPTIMIZATION OF A 2-COMPONENT MOBILE PHASE-COMPOSITION IN ISOCRATIC RP-HPLC. ANALYSIS 20 (9): 555-559.

DEBRUYN, A; ALVAREZ, AP; SANDRA, P; DELEENHEER, L. 1992. ISOLATION AND IDENTIFICATION OF O-BETA-D-FRUCTOFURANOSYL-(2- β)-O-BETA-D-FRUCTOFURANOSYL-(2- β)-D-FRUCTOSE, A PRODUCT OF THE ENZYMATIC-HYDROLYSIS OF THE INULIN FROM CICHORIUM-INTYBUS. CARBOHYDRATE RESEARCH 235: 303-308.

MEYER, E; DELEENHEER, AP; SANDRA, P. 1992. ASPECTS OF THE CAPILLARY GC ANALYSIS OF ALL-TRANS-ACITRETIN AND 13-CIS-ACITRETIN. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 15 (10): 637-640.

VINDEVOGEL, J; SZUCS, R; SANDRA, P. 1992. REPRODUCIBILITY OF MIGRATION TIMES AND PROPAGATION OF ERROR IN MICELLAR ELECTROKINETIC CHROMATOGRAPHY. JOURNAL OF MICROCOLUMN SEPARATIONS 4 (5): 399-404.

DAVID, F; SANDRA, P. 1992. ANALYSIS OF ORGANOTIN COMPOUNDS USING THE HP 5921A ATOMIC EMISSION DETECTOR. ANALYSIS 20 (8): M53-M54.

VERSCHUERE, M; SANDRA, P; DAVID, F. 1992. FRACTIONATION BY SFE AND MICROCOLUMN ANALYSIS OF THE ESSENTIAL OIL AND THE BITTER PRINCIPLES OF HOPS. JOURNAL OF CHROMATOGRAPHIC SCIENCE 30 (10): 388-391.

DEKEUKELEIRE, D; VINDEVOGEL, J; SZUCS, R; SANDRA, P. 1992. THE HISTORY AND ANALYTICAL-CHEMISTRY OF BEER BITTER ACIDS. TRAC-TRENDS IN ANALYTICAL CHEMISTRY 11 (8): 275-280.

SANDRA, P. 1992. COMPLEMENTARY NATURE OF ANALYTICAL TECHNIQUES FOR WATER-POLLUTION CONTROL - GAS-CHROMATOGRAPHY COMBINED WITH MASS-SPECTROMETRY, FOURIER-TRANSFORM INFRARED SPECTROMETRY OR ATOMIC EMISSION DETECTION. ANALYSIS 20 (7): S7-S8, Suppl. S.

SANDRA, P. 1992. MINIATURIZATION OF CHROMATOGRAPHIC COLUMNS FOR THE ANALYSIS OF FLAVORS AND FRAGRANCES. ANALUSIS 20 (7): M27-M30.

SANDRA, P. 1992. WATER-POLLUTION CONTROL BY CAPILLARY GC - MASS-SPECTROSCOPY AND CAPILLARY GC - ATOMIC EMISSION DETECTION. ANALUSIS 20 (7): S59-S60.

DAVID, F; SANDRA, P; HOFFMANN, A; GERSTEL, J. 1992. A NOVEL CGC-CGC-MS CONFIGURATION FOR THE ANALYSIS OF POLYCHLORODIBENZODIOXINS AND POLYCHLORODIBENZOFURANS. CHROMATOGRAPHIA 34 (5-8): 259-265.

DAVID, F; SANDRA, P. 1992. CAPILLARY GAS-CHROMATOGRAPHY SPECTROSCOPIC-TECHNIQUES IN NATURAL PRODUCT ANALYSIS. PHYTOCHEMICAL ANALYSIS 3 (4): 145-152.

BENICKA, E; KRUPCIK, J; REPKA, D; SANDRA, P. 1992. OPTIMIZATION OF SELECTIVITY BY TUNING COLUMN TEMPERATURES OF IDENTICAL CAPILLARY COLUMNS IN SERIES IN A DUAL-OVEN GC SYSTEM. CHROMATOGRAPHIA 33 (9-10): 463-466.

VINDEVOGEL, J; SANDRA, P. 1991. MICELLAR ELECTROKINETIC CHROMATOGRAPHY OF IONIC COMPOUNDS - THE ANALYSIS OF HOP BITTER ACIDS. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 14 (12): 795-801.

STEENACKERS, D; SANDRA, P. 1991. EXPERIMENTS WITH MICROPACKED COLUMNS TOWARDS UNIFIED CHROMATOGRAPHY. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 14 (12): 842-845.

SZUCS, R; VINDEVOGEL, J; SANDRA, P. 1991. MICELLAR ELECTROKINETIC CHROMATOGRAPHY OF ALIPHATIC-COMPOUNDS WITH INDIRECT UV DETECTION. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 14 (10): 692-693.

COENE, J; HERDEWIJN, P; VANDENECKHOUT, E; VANDENBOSSCHE, W; SANDRA, P. 1991. CAPILLARY GC ANALYSIS OF ALKYL LYSOPHOSPHOLIPIDS AFTER DERIVATIZATION WITH TRIMETHYLSILYL BROMIDE. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 14 (10): 699-701.

SANDRA, P. 1992. SAVING THE BEAUTY OF EARTH - AIR-POLLUTION MONITORING, AN ANALYTICAL CHALLENGE. ANALUSIS 20 (3): M32-M35.

SANDRA, P; DAVID, F; MCNAIR, HM. 1992. OBSERVATIONS WITH HIGH-MOLECULAR-WEIGHT POLYETHYLENE-GLYCOL STATIONARY PHASES IN CAPILLARY GAS-CHROMATOGRAPHY .2. INFLUENCE OF CROSS-LINKING TEMPERATURE ON COLUMN EFFICIENCY. ANALUSIS 20 (3): 117-120.

DEWAELE, C; SANDRA, P; VANLAER, L. 1991. HPLC OF GLYCEROL IN WINE VINEGAR. ANALUSIS 19 (10): 351-354.

GHIJS, M; SANDRA, P. 1991. POLYMERIC COATINGS IN PACKED FUSED-SILICA MICRO-LC COLUMNS. JOURNAL OF MICROCOLUMN SEPARATIONS 3 (5): 443-448.

DAVID, F; SANDRA, P. 1991. ON THE COMPLEMENTARY NATURE OF CGC-MS, CGC-FTIR, AND CGC-AED FOR WATER-POLLUTION CONTROL. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 14 (8): 554-557.

VINDEVOGEL, J; SZUCS, R; SANDRA, P; VERHAGEN, LC. 1991. ANALYSIS OF BEER ISO-ALPHA-ACIDS BY MICELLAR ELECTROKINETIC CHROMATOGRAPHY AND MULTIWAVELENGTH UV DETECTION. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 14 (9): 584-586.

DEBRUIJN, EA; PATTYN, G; DAVID, F; SANDRA, P. 1991. CAPILLARY ELECTROPHORESIS OF FLUOROPYRIMIDINES. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 14 (9): 627-629.

HSU, CH; VANHOLDER, R; PATEL, S; DESMET, RR; SANDRA, P; RINGOIR, SMG. 1991. SUBFRACTIONS IN UREMIC PLASMA ULTRAFILTRATE INHIBIT CALCITRIOL METABOLISM. KIDNEY INTERNATIONAL 40 (5): 868-873.

COENE, J; GHIJS, M; VANDENECKHOUT, E; VANDENBOSSCHE, W; SANDRA, P. 1991. EVALUATION OF DIFFERENT PACKINGS FOR HIGH-PERFORMANCE LIQUID-CHROMATOGRAPHIC ANALYSIS OF ALKYL LYSOPHOSPHOLIPIDS. JOURNAL OF CHROMATOGRAPHY 553 (1-2): 285-297.

BICCHI, C; RUBIOLO, P; FRATTINI, C; SANDRA, P; DAVID, F. 1991. OFF-LINE SUPERCRITICAL FLUID EXTRACTION AND CAPILLARY GAS-CHROMATOGRAPHY OF PYRROLIZIDINE ALKALOIDS IN SENECIO SPECIES. JOURNAL OF NATURAL PRODUCTS 54 (4): 941-945.

VINDEVOGEL, J; SANDRA, P. 1991. RESOLUTION OPTIMIZATION IN MICELLAR ELECTROKINETIC CHROMATOGRAPHY - USE OF PLACKETT-BURMAN STATISTICAL DESIGN FOR THE ANALYSIS OF TESTOSTERONE ESTERS. ANALYTICAL CHEMISTRY 63 (15): 1530-1536.

VINDEVOGEL, J; SANDRA, P. 1991. SIMULTANEOUS PH AND IONIC-STRENGTH EFFECTS AND BUFFER SELECTION IN CAPILLARY ELECTROPHORETIC TECHNIQUES. JOURNAL OF CHROMATOGRAPHY 541 (1-2): 483-488.

SANDRA, P. 1990. THE ENANTIOSELECTIVITY OF DERIVATIZED CYCLODEXTRINS - A PLEA FOR MORE SYSTEMATIC STUDIES. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 13 (10): 665-665.

COENE, I; RAMOS, ME; VANDENECKHOUT, E; SANDRA, P; VANDENBOSSCHE, W. 1990. EVALUATION OF DENSITOMETRIC QUANTITATION OF ETHER PHOSPHOLIPIDS BY HIGH-PERFORMANCE THIN-LAYER CHROMATOGRAPHY. CHROMATOGRAPHIA 30 (7-8): 414-420.

HEVESI, T; KRUPCIK, J; SANDRA, P. 1990. USE OF CHROMATOGRAPHIC MODELS FOR COMPUTERIZED OPTIMIZATION OF COUPLING-POINT PRESSURE IN DUAL-COLUMN GAS-CHROMATOGRAPHY. JOURNAL OF CHROMATOGRAPHY 517: 161-173.

GHIJS, M; DEWAELE, C; SANDRA, P. 1990. EXPERIMENTS WITH SIZE-EXCLUSION MATERIAL IN MICROCHROMATOGRAPHY .1. MICROCOLUMN SEC. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 13 (9): 651-653.

SANDRA, P; STEENBEKE, G; GHYS, M; SCHOMBURG, G. 1990. MICRO LIQUID-CHROMATOGRAPHY - DIODE-ARRAY DETECTION OF HOP BITTER ACIDS. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 13 (7): 527-528.

SANDRA, P; DAVID, F. 1990. MICROCOLUMN CHROMATOGRAPHY FOR THE ANALYSIS OF DETERGENTS AND LUBRICANTS .1. HIGH-TEMPERATURE CAPILLARY GAS-CHROMATOGRAPHY (HT-CGC) AND CAPILLARY SUPERCRITICAL FLUID CHROMATOGRAPHY (CSFC). HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 13 (6): 414-417.

SANDRA, P; RACKSTRAW, T. 1990. THE GREATEST SHOW ON EARTH. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 13 (4): 225-225.

SANDRA, P; DAVID, F; STOTTMEISTER, E. 1990. RECOVERY STUDIES BY OFF-LINE SFE. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 13 (4): 284-286.

VINDEVOGEL, J; SANDRA, P; VERHAGEN, LC. 1990. SEPARATION OF HOP BITTER ACIDS BY CAPILLARY ZONE ELECTROPHORESIS AND MICELLAR ELECTROKINETIC CHROMATOGRAPHY WITH UV-DIODE ARRAY DETECTION. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 13 (4): 295-298.

JANDA, V; SANDRA, P. 1990. THE USE OF SUPERCRITICAL FLUID EXTRACTION IN ANALYSIS. CHEMICKE LISTY 84 (4): 366-375.

SANDRA, P. 1990. ROUND-ROBIN TEST ON THE PRESENT STATE-OF-THE-ART OF CAPILLARY GAS-CHROMATOGRAPHY. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 13 (3): 153-153.

SANDRA, P. 1990. A GLIMPSE AT MICRO SEPARATION TECHNIQUES IN 1990. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 13 (1): 1-1.

DEWEERDT, M; DEWAELE, C; VERZELE, M; SANDRA, P. 1990. PACKING MATERIAL ACTIVITY IN PACKED CAPILLARY COLUMN SFC. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 13 (1): 40-46.

KUKSIS, A; MYHER, JJ; SANDRA, P. 1990. GAS-LIQUID-CHROMATOGRAPHIC PROFILING OF PLASMA-LIPIDS USING HIGH-TEMPERATURE-POLARIZABLE CAPILLARY COLUMNS. JOURNAL OF CHROMATOGRAPHY 500: 427-441.

COENE, J; VANDENECKHOUT, E; SANDRA, P. 1989. FLUORESCENCE BEHAVIOR OF AN ALKYL LYSOPHOSPHOLIPID IN THE PRESENCE OF 1,6-DIPHENYLHEXATRIENE. ANALYTICA CHIMICA ACTA 227 (1): 303-308.

DAVID, F; NIKOLAI, A; SANDRA, P. 1989. ANALYSIS OF C10-C20 HYDROCARBONS IN NATURAL-GAS BY SOLID-PHASE EXTRACTION AND CGC. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 12 (10): 657-660.

SANDRA, P; COURSELLE, P; STEENBEKE, G; SCHELFAUT, M. 1989. DUAL CHANNEL DETECTION - DIODE-ARRAY AND MASS-SPECTROSCOPY (EL OR CL) - IN HPLC. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 12 (8): 544-546.

JANDA, V; STEENBEKE, G; SANDRA, P. 1989. SUPERCRITICAL FLUID EXTRACTION OF S-TRIAZINE HERBICIDES FROM SEDIMENT. JOURNAL OF CHROMATOGRAPHY 479 (1): 200-205.

SANDRA, PJ; DAVID, F. 1989. A CASE-STUDY IN SELECTING A CHROMATOGRAPHIC TECHNIQUE. LC GC-MAGAZINE OF SEPARATION SCIENCE 7 (9): 746-&.

SANDRA, P; DAVID, F; TURNER, KA; MCNAIR, HM; BROWNSTEIN, AD. 1989. OBSERVATIONS WITH HIGH-MOLECULAR-WEIGHT POLYETHYLENE-GLYCOL STATIONARY PHASES IN CAPILLARY GAS-CHROMATOGRAPHY .1. ADSORPTION VERSUS PARTITIONING CHROMATOGRAPHY. JOURNAL OF CHROMATOGRAPHY 477 (1): 63-71.

SANDRA, P. 1989. RESOLUTION - COLUMN EFFICIENCY. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 12 (5): 273-277.

BICCHI, C; DAMATO, A; DAVID, F; SANDRA, P. 1989. CAPTURING OF VOLATILES EMITTED BY LIVING PLANTS BY MEANS OF THICK-FILM OPEN TUBULAR TRAPS. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 12 (5): 316-321.

SANDRA, P. 1989. RESOLUTION - DEFINITION AND NOMENCLATURE. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 12 (2): 82-86.

SANDRA, P. 1989. CAPILLARY GAS-CHROMATOGRAPHY - NEVER-ENDING EVOLUTION. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 12 (3): 129-129.

CRAMERS, C; SANDRA, P. 1989. ERBADAYS IN SUPERCRITICAL FLUID CHROMATOGRAPHY - MADONNA DI CAMPIGLIO, ITALY, DECEMBER 13-15, 1988. HRC-JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY 12 (1): 12-15.

DAVID, F; SANDRA, P. 1988. ANALYSIS OF ALIPHATIC-AMINES AND QUATERNARY AMMONIUM-SALTS BY CAPILLARY SUPERCRITICAL FLUID CHROMATOGRAPHY. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 11 (12): 897-898.

AZHAR, ES; VERHE, R; PROOT, M; SANDRA, P; VERSTRAETE, W. 1989. FIXATION OF NITRITE NITROGEN DURING THE HUMIFICATION OF ALPHA-NAPHTHOL IN SOIL SUSPENSIONS. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 37 (1): 262-266.

SANDRA, P. 1988. NEW PUBLISHING POLICY FOR SYMPOSIUM PAPERS. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 11 (11): 756-756.

SANDRA, P; DAVID, F; REDANT, G; DENOULET, B. 1988. SAMPLE PREPARATION AND CGC ANALYSIS OF PCBS IN WASTE OIL. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 11 (11): 840-841.

MYHER, JJ; KUKSIS, A; MARAI, L; SANDRA, P. 1988. IDENTIFICATION OF THE MORE COMPLEX TRIACYLGLYCEROLS IN BOVINE-MILK FAT BY GAS-CHROMATOGRAPHY MASS-SPECTROMETRY USING POLAR CAPILLARY COLUMNS. JOURNAL OF CHROMATOGRAPHY 452: 93-118.

DAVID, F; SANDRA, P; DIRICKS, G. 1988. OH-TERMINATED CYANOPROPYL SILICONES. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 11 (3): 256-263.

LANCAS, F; DAVID, F; SANDRA, P. 1988. CGC ANALYSIS OF THE ESSENTIAL OILS OF CITRUS-FRUIT ON 100 MU-M ID COLUMNS. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 11 (1): 73-75.

HUMBERT, B; SANDRA, P. 1987. DETERMINATION OF PYRAZINES IN THERMALLY TREATED FOOD-PRODUCTS - PRACTICAL EXPERIMENTS WITH COCOA BEANS. LC GC-MAGAZINE OF SEPARATION SCIENCE 5 (12): 1034-&.

VANNIEUWENHUYZE, F; SANDRA, P. 1987. SELECTIVITY OPTIMIZATION FOR THE CAPILLARY GAS-CHROMATOGRAPHIC ANALYSIS OF BACTERIAL CELLULAR FATTY-ACIDS. CHROMATOGRAPHIA 23 (11): 850-855.

TERMONIA, M; MUNARI, F; SANDRA, P. 1987. HIGH OVEN TEMPERATURE - COLD ON-COLUMN INJECTION FOR THE AUTOMATED CGC ANALYSIS OF HIGH-MOLECULAR-WEIGHT COMPOUNDS SUCH AS TRIGLYCERIDES. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 10 (5): 263-268.

GEERAERT, E; SANDRA, P. 1987. CAPILLARY GC OF TRIGLYCERIDES IN FATS AND OILS USING A HIGH-TEMPERATURE PHENYLMETHYLSILICONE STATIONARY PHASE .2. THE ANALYSIS OF CHOCOLATE FATS. JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY 64 (1): 100-105.

VERZELE, M; SCHUDDINCK, G; PROOT, M; SANDRA, P. 1987. QUANTITATIVE CAPILLARY GAS-CHROMATOGRAPHY OF TRIHYDROXYOCTADECENOIC ACIDS IN BEER. JOURNAL OF THE INSTITUTE OF BREWING 93 (1): 26-29.

SANDRA, P. 1986. 7TH INTERNATIONAL-SYMPOSIUM ON CAPILLARY CHROMATOGRAPHY. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 9 (11): 612-612.

PROOT, M; SANDRA, P. 1986. HIGH-SPEED CAPILLARY GC ON 10MX100 MU-M ID FSOT COLUMNS. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 9 (11): 618-623.

AZHAR, E; VERHE, R; PROOT, M; SANDRA, P; VERSTRAETE, W. 1986. BINDING OF NITRITE-N ON POLYPHENOLS DURING NITRIFICATION. PLANT AND SOIL 94 (3): 369-382.

PROOT, M; SANDRA, P; GEERAERT, E. 1986. RESOLUTION OF TRIGLYCERIDES IN CAPILLARY SFC AS A FUNCTION OF COLUMN TEMPERATURE. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 9 (3): 189-192.

SANDRA, P.J. 1986. CAPILLARY GAS-CHROMATOGRAPHY - PRESENT STATE - FUTURE-TRENDS. ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY 191: 57-INDE.

SANDRA, P; DAVID, F; PROOT, M; DIRICKS, G; VERSTAPPE, M; VERZELE, M. 1985. SELECTIVITY AND SELECTIVITY TUNING IN CAPILLARY GAS-CHROMATOGRAPHY. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 8 (11): 782-798.

TEMMERMAN, I; SANDRA, P; VERZELE, M. 1985. CHARACTERIZATION OF SILICONE PHASES BY ALKALINE-HYDROLYSIS AND CGC ANALYSIS. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 8 (9): 513-515.

DAVID, F; PROOT, M; SANDRA, P. 1985. ON THE EFFICIENCY OF CAPILLARY COLUMNS COATED WITH MEDIUM POLARITY THICK-FILMS. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 8 (9): 550-557.

SANDRA, P. 1985. 6TH INTERNATIONAL-SYMPOSIUM ON CAPILLARY CHROMATOGRAPHY, MAY 14-16, 1985 - RIVA-DEL-GARDA, ITALY. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 8 (8): 377-377.

GEERAERT, E; SANDRA, P. 1985. CAPILLARY GC OF TRIGLYCERIDES IN FATS AND OILS USING A HIGH-TEMPERATURE PHENYLMETHYLSILICONE STATIONARY PHASE .1.. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 8 (8): 415-422.

PROOT, M; DAVID, F; SANDRA, P; VERZELE, M. 1985. TEMPERATURE-DEPENDENCE OF THE RESOLUTION OF DIASTEREOMERIC ISOPRENOIDS IN CAPILLARY GC EXPERIMENTS WITH 50-MU-M, 100-MU-M, AND 250-MU-M ID COLUMNS. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 8 (8): 426-431.

BERTSCH, W; LEE, M; JENNINGS, WG; PRETORIUS, V; KAISER, RE; SANDRA, P. 1985. HIGH-RESOLUTION. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 8 (4): 169-169.

GEERAERT, E; SANDRA, P. 1985. POSSIBILITIES OF GAS-CHROMATOGRAPHY ON POLAR CAPILLARY COLUMNS IN THE TRIGLYCERIDE ANALYSIS OF FATS AND OILS, WITH SPECIAL REFERENCE TO CHOCOLATE FATS. JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY 62 (4): 629-629.

BERTHOU, F; DREANO, Y; SANDRA, P. 1984. LIQUID AND GAS-CHROMATOGRAPHIC SEPARATION OF ISOMERIC METHYLATED DIBENZOTHIOPHENES. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 7 (12): 679-686.

VANLUCHENE, E; VANDEKERCKHOVE, D; SANDRA, P; DAVID, F. 1984. HORMONAL STEROID ANALYSIS ON IMMOBILIZED RSL-300 FSOT COLUMNS. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 7 (11): 644-645.

VANLUCHENE, E; VANDEKERCKHOVE, D; DEBOEVER, J; SANDRA, P. 1984. STRUCTURES AND CONCENTRATIONS OF 15 DIFFERENT STEROID SULFATES IN HUMAN-BREAST CYST FLUIDS. JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR BIOLOGY 21 (4): 367-371.

GEERAERT, E; SANDRA, P. 1984. ON THE POTENTIAL OF CGC IN TRIGLYCERIDE ANALYSIS. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 7 (7): 431-432.

OOGHE, W; KASTELEYN, H; TEMMERMAN, I; SANDRA, P. 1984. AMINO-ACID ENANTIOMER SEPARATION FOR THE DETECTION OF ADULTERATION IN FRUIT JUICES. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 7 (5): 284-285.

TEMMERMAN, I; SANDRA, P. 1984. ON THE STABILITY OF POLARITY MIXTURES USED IN CGC. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 7 (6): 332-333.

BICCHI, C; MASHALY, M; SANDRA, P. 1984. CONSTITUENTS OF ESSENTIAL OIL OF NEPETA-NEPETELLA. PLANTA MEDICA (1): 96-98.

VERZELE, M; DAVID, F; VANROELENBOSCH, M; DIRICKS, G; SANDRA, P. 1983. INSITU GUMMIFICATION OF METHYLPHENYLSILICONES IN FUSED-SILICA CAPILLARY COLUMNS. JOURNAL OF CHROMATOGRAPHY 279 (NOV): 99-102.

RIZK, AM; HEIBA, HI; SANDRA, P; MASHALY, M; BICCHI, C. 1983. CONSTITUENTS OF PLANTS GROWING IN QATAR .5. CONSTITUENTS OF THE VOLATILE OIL OF CYMBOPOGON-PARKERI. JOURNAL OF CHROMATOGRAPHY 279 (NOV): 145-150.

SANDRA, P; VANROELENBOSCH, M; VERZELE, M; BICCHI, C. 1983. EXPERIMENTS WITH COLD ON-COLUMN INJECTION. JOURNAL OF CHROMATOGRAPHY 279 (NOV): 279-286.

GEERAERT, E; SANDRA, P; DESCHEPPER, D. 1983. ON-COLUMN INJECTION IN THE CAPILLARY GAS-CHROMATOGRAPHIC ANALYSIS OF FATS AND OILS. JOURNAL OF CHROMATOGRAPHY 279 (NOV): 287-295.

SANDRA, P. 1983. ONLINE SELECTIVE SAMPLE INTRODUCTION IN CAPILLARY GAS-CHROMATOGRAPHY - PRINCIPLE AND EVALUATION OF SILICA-GEL AS ADSORBENT. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 6 (12): 690-693.

SANDRA, P; TEMMERMAN, I; VERSTAPPE, M. 1983. ON THE EFFICIENCY OF THICK-FILM CAPILLARY COLUMNS. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 6 (9): 501-504.

SANDRA, P; VERZELE, M; VANLUCHE, E. 1983. CONSTRUCTION OF A POLYIMIDE EFFLUENT SPLITTER FOR MULTIPLE DETECTION IN CAPILLARY GAS-CHROMATOGRAPHY. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 6 (9): 504-507.

GEERAERT, E; DESCHEPPER, D; SANDRA, P. 1983. DESIGN AND OPERATION OF A SIMPLE MOVABLE ON-COLUMN INJECTOR. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 6 (7): 386-387.

BICCHI, C; SANDRA, P; SCHELFAUT, M; VERZELE, M. 1983. STUDIES ON THE ESSENTIAL OIL OF VALERIANA-CELTICA L. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 6 (4): 213-215.

SANDRA, P; VANROELENBOSCH, M; TEMMERMAN, I; VERZELE, M. 1982. CHARACTERIZATION, EVALUATION AND INSITU CROSS-LINKING OF NEW POLAR PHASES IN CAPILLARY GAS-CHROMATOGRAPHY. CHROMATOGRAPHIA 16: 63-68.

DUMAREY, R; DAMS, R; SANDRA, P. 1982. INTERFACING AN ATOMIC-ABSORPTION SPECTROPHOTOMETER WITH A FUSED-SILICA CAPILLARY GAS-CHROMATOGRAPHIC SYSTEM FOR THE DETERMINATION OF TRACE ORGANOMERCURY(II) COMPOUNDS. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 5 (12): 687-689.

CHRISTOPHE, A; VERDONK, G; MASHALY, M; SANDRA, P. 1982. FATTY-ACID CHAIN-LENGTH COMBINATIONS IN ASCITIC FLUID TRIGLYCERIDES CONTAINING LYMPHATIC ABSORBED MEDIUM-CHAIN FATTY-ACIDS. LIPIDS 17 (10): 759-761.

KOK, P; SINHA, ND; SANDRA, P; DECLERCQ, PJ; VANDEWALLE, ME. 1982. RETROALDOL-ALDOL ISOMERIZATION OF PERHYDROAZULENIC HYDROXYKETONES. TETRAHEDRON 38 (15): 2279-2283.

GAILLY, C; SANDRA, P; VERZELE, M; COCITO, C. 1982. ANALYSIS OF MYCOLIC ACIDS FROM A GROUP OF CORYNEBACTERIA BY CAPILLARY GAS-CHROMATOGRAPHY AND MASS-SPECTROMETRY. EUROPEAN JOURNAL OF BIOCHEMISTRY 125 (1): 83-94.

GODEFROOT, M; STECHELE, M; SANDRA, P; VERZELE, M. 1982. A NEW METHOD FOR THE QUANTITATIVE-ANALYSIS OF ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED-BIPHENYLS. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 5 (2): 75-79.

SANDRA, P; SCHELFAUT, M; VERZELE, M. 1982. A SIMPLE METHOD FOR CONNECTING FUSED-SILICA AND GLASS-CAPILLARIES. JOURNAL OF HIGH RESOLUTION CHROMATOGRAPHY & CHROMATOGRAPHY COMMUNICATIONS 5 (1): 50-51.

REDANT, G; SANDRA, P; VERZELE, M. 1982. SOME OBSERVATIONS ON DYNAMIC COATING OF CAPILLARY COLUMNS. CHROMATOGRAPHIA 15 (1): 13-14.

SANDRA, P; VANROELENBOSCH, M. 1981. MIXED PHASES OF SUPEROX 20M AND OV-1 IN FUSED-SILICA AND GLASS-CAPILLARY GAS-CHROMATOGRAPHY. CHROMATOGRAPHIA 14 (6): 345-350.

VERZELE, M; VERSTAPPE, M; SANDRA, P. 1981. DETERMINATION OF TRACES OF NITROGEN AND ARGON IN OXYGEN BY A SIMPLE GAS-CHROMATOGRAPHIC METHOD. JOURNAL OF CHROMATOGRAPHY 209 (3): 455-457.

VERZELE, M; MAES, G; VUYE, A; GODEFROOT, M; VANALBOOM, M; VERVISCH, J; SANDRA, P. 1981. CHROMATOGRAPHIC INVESTIGATION OF JASMIN ABSOLUTES. JOURNAL OF CHROMATOGRAPHY 205 (2): 367-386.

GELIJKENS, CF; DELEENHEER, AP; SANDRA, P. 1980. MEASUREMENT OF 5-FLUORO-2'-DEOXYURIDINE SERUM LEVELS BY GAS-CHROMATOGRAPHY CHEMICAL IONIZATION MASS-SPECTROMETRY. BIOMEDICAL MASS SPECTROMETRY 7 (11-1): 572-575.

GODEFROOT, M; SANDRA, P; VERZELE, M. 1981. NEW METHOD FOR QUANTITATIVE ESSENTIAL OIL ANALYSIS. JOURNAL OF CHROMATOGRAPHY 203 (JAN): 325-335.

VERZELE, M; REDANT, G; QURESHI, S; SANDRA, P. 1980. HIGH-TEMPERATURE QUANTITATIVE GLASS-CAPILLARY GAS-CHROMATOGRAPHY - ANALYSIS OF PIPERINE AND OF QUININE-QUINIDINE. JOURNAL OF CHROMATOGRAPHY 199 (OCT): 105-112.

GELIJKENS, CF; SANDRA, P; BELPAIRE, F; DELEENHEER, AP. 1980. IDENTIFICATION AND QUANTITATION OF 5-FLUOROURIDINE IN RAT URINE AFTER ADMINISTRATION OF 5-FLUOROURACIL OR 5-FLUORO-2'-DEOXYURIDINE. DRUG METABOLISM AND DISPOSITION 8 (5): 363-366.

SANDRA, P; VERSTAPPE, M; VERZELE, M; VERZELE, J. 1980. PROPERTIES OF AN APOLAR GUM PHASE FOR CAPILLARY GC. INTERNATIONAL LABORATORY 10 (5): 57-&.

LINS, RL; ZACHEE, P; CHRISTIAENS, M; VANDEVIJVER, F; DEWAELE, L; SANDRA, P; DEBROE, ME. 1980. PROGNOSIS AND TREATMENT OF THE METHANOL INTOXICATION. TOXICOLOGY LETTERS: 59-59, Sp. Iss. 1.

VERZELE, M; MUSSCHE, P; SANDRA, P. 1980. CHARACTERIZATION OF HIGH-PERFORMANCE LIQUID-CHROMATOGRAPHIC STATIONARY PHASES - THE NATURE OF SILICA-GEL BONDED MATERIAL. JOURNAL OF CHROMATOGRAPHY 190 (2): 331-337.

SAEED, T; SANDRA, P; VERZELE, M. 1979. SYNTHESIS AND PROPERTIES OF A NOVEL CHIRAL STATIONARY PHASE FOR THE RESOLUTION OF AMINO-ACID ENANTIOMERS. JOURNAL OF CHROMATOGRAPHY 186 (DEC): 611-618.

HERIN, M; SANDRA, P; KRIEF, A. 1979. STEREOSPECIFIC ENZYMIC CYCLIZATION OF A SYNTHETIC 2,3-OXIDOSQUALENE ANALOG BEARING AN 18Z CARBON-CARBON DOUBLE-BOND. TETRAHEDRON LETTERS (33): 3103-3106.

HERIN, M; DELBAR, P; REMION, J; SANDRA, P; KRIEF, A. 1979. SYNTHESSES OF SQUALENE EPOXIDE AND LANOSTEROL ANALOGS FOR A BIOSYNTHETIC EXPERIMENT. TETRAHEDRON LETTERS (33): 3107-3110.

SCHREYEN, L; DIRINCK, P; SANDRA, P; SCHAMP, N. 1979. FLAVOR ANALYSIS OF QUINCE. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 27 (4): 872-876.

WAUTERS, E; SANDRA, P; VERZELE, M. 1979. QUALITATIVE AND SEMI-QUANTITATIVE ANALYSIS OF THE NON-POLAR ORGANIC FRACTION OF AIR PARTICULATE MATTER. JOURNAL OF CHROMATOGRAPHY 170 (1): 125-131.

WAUTERS, E; VANGAEVER, F; SANDRA, P; VERZELE, M. 1979. POLAR ORGANIC FRACTION OF AIR PARTICULATE MATTER. JOURNAL OF CHROMATOGRAPHY 170 (1): 133-138.

VANGAEVER, F; SANDRA, P; VERZELE, M. 1979. INFLUENCE OF THE VACUUM ON THE SEPARATION EFFICIENCY IN COUPLED (GC)2-MS. CHROMATOGRAPHIA 12 (3): 153-154.

VERZELE, M; SANDRA, P. 1978. SUPEROX, A HIGH-TEMPERATURE STATIONARY PHASE IN GAS-CHROMATOGRAPHY. JOURNAL OF CHROMATOGRAPHY 158 (OCT): 111-119.

SAEED, T; SANDRA, PJ; VERZELE, MJE. 1978. CONSTITUENTS OF ESSENTIAL OIL OF CYMBOPOGON-JAWARANCUSA. PHYTOCHEMISTRY 17 (8): 1433-1434.

SANDRA, P; VERSTAPPE, M; VERZELE, M. 1978. SODIUM-CHLORIDE DENDRITE COLUMNS IN (GC)2. CHROMATOGRAPHIA 11 (4): 223-226.

SANDRA, P; VERZELE, M. 1978. SEALING PROCEDURES FOR STATIC COATING TECHNIQUE IN (GC)2. CHROMATOGRAPHIA 11 (2): 102-103.

SANDRA, P; VERZELE, M. 1977. SURFACE TREATMENT, DEACTIVATION AND COATING IN (GC)2 (GLASS CAPILLARY GAS-CHROMATOGRAPHY). CHROMATOGRAPHIA 10 (8): 419-425.

KORTEWEG, M; VERDONK, G; SANDRA, P; VERZELE, M. 1977. ANALYSIS OF PROSTAGLANDINS-E BY GLASS CAPILLARY GAS-CHROMATOGRAPHY WITH ELECTRON-CAPTURE DETECTION. PROSTAGLANDINS 13 (6): 1221-1223.

VANDESANDE, CC; VANGAEVER, F; SANDRA, P; MONSTREY, J. 1977. STUDIES IN ORGANIC MASS-SPECTROMETRY .30. CHEMICAL IONIZATION MASS-SPECTROMETRY - USEFUL STEREOCHEMISTRY PROBE. ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES 32 (5): 573-580.

SANDRA, P; VERZELE, M; VANLUCHENE, E. 1975. ROUTINE STEROID ANALYSIS BY GAS-CHROMATOGRAPHY IN OPEN TUBULAR COLUMNS. CHROMATOGRAPHIA 8 (9): 499-506.

SANDRA, P; VERZELE, M. 1975. ANALYSIS OF LONG-CHAIN FATTY-ACIDS IN BEER. JOURNAL OF THE INSTITUTE OF BREWING 81 (4): 302-306.

SANDRA, P; CLAUS, H; VERZELE, M. 1973. FATTY-ACIDS IN ISOMERIZED HOP EXTRACTS AND GUSHING. JOURNAL OF THE INSTITUTE OF BREWING 79 (2): 142-147.