

**SEZNAM PRACÍ**

**LIST OF PAPERS**

**2006**

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*Institute of Analytical Chemistry AS CR, v.v.i.*  
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*CZ – 602 00 Brno*

## A. ORIGINAL PAPERS AND REVIEWS

- A1.** Bekešová, S. - Kováčik, V. - Chmelík, J. - Kováč, P.  
Negative electrospray, ion trap multistage mass spectrometry of synthetic fragments of the O-PS of *Vibrio cholerae* O : 1.  
*European Journal of Mass Spectrometry*, 12 [1] 43-49 (2006)
- A2.** Beran, M. - Příhoda, J. - Žák, Z. - Černík, M.  
A new route to the syntheses of alkali metal bis(fluorosulfonyl)imides: Crystal structure of  $\text{LiN}(\text{SO}_2\text{F})_2$ .  
*Polyhedron*, 25 [6] 1292-1298 (2006)
- A3.** Bílková, Z. - Slovácová, M. - Minc, N. - Fütterer, C. - Cecal, R. - Horák, D. - Beneš, M. - le Poitier, I. - Křenková, J. - Przybylski, M. - Viovy, J. L.  
Functionalized magnetic micro and nanoparticles: optimization and application to  $\mu$ -chip tryptic digestion.  
*Electrophoresis*, 27 [9] 1811-1824 (2006)
- A4.** Boháčenko, I. - Chmelík, J. - Psota, V.  
Determination of the contents of A- and B-starches in barley using low angle laser light scattering.  
*Czech Journal of Food Science*, 24 [1] 11-18 (2006)
- A5.** Čmelík, R. - Pazdera, P.  
Transformation of 1,2-dithiole-3-thiones into 1,6,6a $\lambda^4$ -trithiapentalenes via reaction with bromoethanones.  
*Collection of Czechoslovak Chemical Communications*, 71 [5] 650-666 (2006)
- A6.** Čulík, J. - Horák, T. - Čejka, P. - Jurková, M. - Kellner, V. - Karásek, P. - Ostrá, E. V.  
Superkritická extrakce kapalin – nová progresivní metoda v pivovarské analytice. Část I. – Teoretické základy superkritické extrakce kapalin a příklady jejího využití.  
[Supercritical fluid extraction – new progressive method in brewing analytics. Part I. - Theoretical principles of supercritical fluid extraction and examples of its use.]  
*Kvasný průmysl*, 52 [4] 106-110 (2006)

- A7.** Čulík, J. - Horák, T. - Čejka, P. - Jurková, M. - Kellner, V. - Karásek, P. – Varad'ová-Ostrá, E.  
Superkritická extrakce kapalin – nová progresivní metoda v pivovarské analytice. Část II. - Možnosti uplatnění superkritické extrakce kapalin při analýze sensoricky aktivních látek v pivě.  
[Supercritical fluid extraction – new progressive method in brewing analytics. Part II. – The options of utilizing supercritical fluid extraction to analyze sensory active substances in beer.]  
*Kvasný průmysl*, 52 [5] 142-147 (2006)
- A8.** Fanali, S. - D'Orazio, G. - Foret, F. - Klepárník, K. - Aturki, Z.  
On-line CE-MS using pressurized liquid junction nanoflow electrospray interface and surface-coated capillaries.  
*Electrophoresis*, 27 [23] 4666-4673 (2006)
- A9.** Foret, F.  
Microfluidics and nanotechnology for analytical instrumentation – new kids on the block ?  
*Cromatografia y Tecnicas Afines*, 27 [1] 6-7 (2006)
- A10.** Foret, F. - Kusý, P.  
Microfluidics for multiplexed MS analysis.  
*Electrophoresis*, 27 [24] 4877-4887 (2006)
- A11.** Gebauer, P. - Malá, Z. - Boček, P.  
A new type of migrating zone boundary in electrophoresis. 2. Transient sample zone shapes.  
*Electrophoresis*, 27 [3] 519-525 (2006)
- A12.** Gebauer, P. - Malá, Z. - Boček, P.  
A new type of migrating zone boundary in electrophoresis. 3. The hybrid boundary and stacking criteria.  
*Electrophoresis*, 27 [5-6] 962-967 (2006)
- A13.** Grym, J. - Otevřel, M. - Foret, F.  
Aerodynamic mass spectrometry interfacing of microdevices without electrospray tips.  
*Lab on a Chip*, 6 [10] 1306-1314 (2006)
- A14.** Herrmannová, M. - Křivánková, L. - Bartoš, M. - Vytřas, K.  
Direct simultaneous determination of eight sweeteners in foods by capillary isotachopheresis.  
*Journal of Separation Science*, 29 [8] 1132-1137 (2006)

- A15.** Horáková, H. - Vespalec, R.  
Optical spectra of anionic boron cluster compounds and their utilization for photometric detection.  
*Spectrochimica Acta Part A-Molecular and Biomolecular Spectroscopy*, 65 [2] 378-386 (2006)
- A16.** Horká, M. - Růžička, F. - Holá, V. - Šlais, K.  
Capillary isoelectric focusing of microorganisms in the pH range 2 – 5 in a dynamically modified FS capillary with UV detection.  
*Analytical and Bioanalytical Chemistry*, 385 [5] 840-846 (2006)
- A17.** Horká, M. - Růžička, F. - Horký, J. - Holá, V. - Šlais, K.  
Capillary isoelectric focusing of proteins and microorganisms in dynamically modified fused silica with UV detection.  
*Journal of Chromatography B*, 841 [1-2] 152-159 (2006)
- A18.** Horká, M. - Růžička, F. - Horký, J. - Holá, V. - Šlais, K.  
Capillary isoelectric focusing and fluorometric detection of proteins and microorganisms dynamically modified by poly(ethylene glycol) pyrenebutanoate.  
*Analytical Chemistry*, 78 [24] 8438-8444 (2006)
- A19.** Karadjova, I.B. - Lampugnani, L. - Dědina, J. - D'Ulivo, A. - Onor, M. - Tsalev, D.L.  
Organic solvents as interferents in arsenic determination by hydride generation atomic absorption spectrometry with flame atomization.  
*Spectrochimica Acta*, 61 [5] 525-531 (2006)
- A20.** Karásek, P. - Planeta, J. - Roth, M.  
Solubility of solid polycyclic aromatic hydrocarbons in pressurized hot water at temperatures from 313 K to the melting point.  
*Journal of Chemical and Engineering Data*, 51 [2] 616-622 (2006)
- A21.** Karásek, P. - Planeta, J. - Roth, M.  
Solubility of solid polycyclic aromatic hydrocarbons in pressurized hot water: Correlation with pure component properties.  
*Industrial and Engineering Chemistry Research*, 45 [12] 4454-4460 (2006)
- A22.** Košťál, V. - Zeisbergerová, M. - Hroteková, Z. - Šlais, K. - Kahle, V.  
Miniaturized liquid core waveguide-based fluorimetric detection cell for capillary separation methods: Application in CE of amino acids.  
*Electrophoresis*, 27 [23] 4658-4665 (2006)

- A23.** Kováčik, V. - Bekešová, S. - Pätoprstý, V. - Řehulka, P. - Chmelík, J. - Kováč, P.  
Positive-ion fragmentation in matrix-assisted laser desorption/ionization tandem time-of-flight mass spectrometry of synthetic analogs of the O-specific polysaccharide of *Vibrio cholerae* O : 1.  
*European Journal of Mass Spectrometry*, 12 [4] 247-252 (2006)
- A24.** Kratzer, J. - Dědina, J.  
In-situ trapping of bismuthine in externally heated quartz tube atomizers for atomic absorption spectrometry.  
*Journal of Analytical Atomic Spectrometry*, 21 [2] 208-210 (2006)
- A25.** Krejčí, P. - Dočekal, B. - Hrušovská, Z.  
Trapping of hydride forming elements within miniature electrothermal devices. Part 3. Investigation of collection of antimony and bismuth on a molybdenum foil strip following hydride generation.  
*Spectrochimica Acta B*, 61 [4] 444-449 (2006)
- A26.** Laštovičková, M. - Chmelík, J.  
Simple and fast method for recognition of reducing and nonreducing neutral carbohydrates by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry.  
*Journal of Agriculture and Food Chemistry*, 54 [14] 5092-5097 (2006)
- A27.** Lazar, I.M. - Grym, J. - Foret, F.  
Microfabricated devices: A new sample introduction approach to mass spectrometry.  
*Mass Spectrometry Reviews*, 25 [4] 573-594 (2006)
- A28.** Lazaridis, M. - Eleftheriadis, K. - Smolík, J. - Colbeck, I. - Kallos, G. - Drossinos, Y. - Ždímal, V. - Večeřa, Z. - Mihalopoulos, N. - Mikuška, P. - Bryant, C. - Housiadas, C.  
Dynamics of Fine Particles and Photo-Oxidants in the Eastern Mediterranean (SUB-AERO).  
*Atmospheric Environment*, 40 [32] 6214-6228 (2006)
- A29.** Malá, Z. - Gebauer, P.  
Properties of moving boundaries in electrophoretic systems with multivalent weak electrolytes: principles of non-Kohlrausch concentration adjustment.  
*Electrophoresis*, 27 [23] 4601-4609 (2006)



- A30.** Mazanec, K. - Šlais, K. - Chmelík, J.  
Mass spectrometric characterization of low-molecular-mass color pI markers and their use for direct determination of pI value of proteins  
*Journal of Mass Spectrometry*, 41 [12] 1570-1577 (2006)
- A31.** Mikulášek, L. - Grüner, B. - Danila, C. - Böhmer, V. - Čáslavský, J. - Selucký, P.  
Synergistic effect of ligating and ionic functions, prearranged on a calix[4]arene.  
*Chemical Communications*, [38] 4001-4003 (2006)
- A32.** Mojumdar, S.C. - Mazanec, K. - Drábik, M.  
Macro-defect-free (MDF) cements.  
*Journal of Thermal Analysis and Calorimetry*, 83 [1] 135-139 (2006)
- A33.** Motyka, K. - Mikuška, P. - Večeřa, Z.  
Continuous chemiluminescence determination of formaldehyde in air based on Trautz-Schorigin reaction.  
*Analytica Chimica Acta*, 562 [2] 236-244 (2006)
- A34.** Mrázková, M. - Caslavská, J. - Thormann, W. - Křivánková, L.  
Effects of lactate and acetate on the determination of serum ethyl glucuronide by CZE.  
*Electrophoresis*, 27 [23] 4772-4778 (2006)
- A35.** Planeta, J. - Karásek, P. - Roth, M.  
Distribution of sulfur-containing aromatics between [hmim][Tf<sub>2</sub>N] and supercritical CO<sub>2</sub>: a case study for deep desulfurization of oil refinery streams by extraction with ionic liquids.  
*Green Chemistry*, 8 [1] 70-77 (2006)
- A36.** Plocková, J. - Chmelík, J.  
Different elution modes and field programming in gravitational field-flow fractionation: Field programming using density and viscosity gradients.  
*Journal of Chromatography A*, 1118 [2] 253-260 (2006)
- A37.** Pól, J. - Hohnová, B. - Jussila, M. - Hyötyläinen, T.  
Comprehensive two-dimensional liquid chromatography–time-of-flight mass spectrometry in the analysis of acidic compounds in atmospheric aerosols.  
*Journal of Chromatography A*, 1130 [1] 64-71 (2006)

- A38.** Řehulka, P. - Allmaier, G. - Chmelík, J.  
Využití nesespecifických peptidů pro proteomickou identifikaci nízkomolekulárních proteinů z ječmene MALDI-TOF hmotnostní spektrometrií.  
[The use of nonspecific peptides for proteomic identification of low-molecular-weight proteins from barley by MALDI-TOF mass spectrometry.]  
*Chemické Listy*, 100 [12] 1111-1115 (2006).
- A39.** Řehulka, P. - Popkov, A. - Nádvorník, M. - Planeta, J. - Mazanec, K. - Chmelík, J.  
Off-line combination of reversed-phase liquid chromatography and laser desorption/ionization time-of-flight mass spectrometry with seamless post-source decay fragment ion analysis for characterization of square-planar nickel(II) complexes.  
*Journal of Mass Spectrometry*, 41 [4] 448-453 (2006)
- A40.** Urbánek, M. - Varenne, A. - Gebauer, P. - Křivánková, L. - Gareil, P.  
Determination of trace cationic impurities in butylmethylimidazolium-based ionic liquids: From transient to comprehensive single-capillary counterflow isotachopheresis-zone electrophoresis.  
*Electrophoresis*, 27 [23] 4859-4871 (2006)
- A41.** Vaňura, P. - Jedináková-Křížová, V. - Vobecký, M.  
The use of liquid scintillation spectrometry for the determination of radionuclid purity of  $^{90}\text{Y}$  from a radiochemical  $^{90}\text{Y}/^{90}\text{Sr}$  generator.  
*Journal of Radioanalytical and Nuclear Chemistry*, 267 [2] 501-503 (2006)
- A42.** Vénos, D. - Dragoun, O. - Špalek, A. - Vobecký, M.  
Precise energy of the weak 32-keV gamma transition observed in  $^{83\text{m}}\text{Kr}$  decay.  
*Nuclear Instruments and Methods in Physics Research A*, 560 [2] 352-359 (2006)
- A43.** Viana, M. - Chi, X. - Maenhaut, W. - Cafmeyer, J. - Querol, X. - Alastuey, A. - Mikuška, P. - Večeřa, Z.  
Influence of sampling artefacts on measured PM, OC, and EC levels in carbonaceous aerosols in an urban area.  
*Aerosol Science and Technology*, 40 [2] 107-117 (2006)

- A44.** Viana, M. - Chi, X. - Maenhaut, W. - Querol, X. - Alastuey, A. - Mikuška, P. - Večeřa, Z.  
Organic and elemental carbon concentrations in carbonaceous aerosols during summer and winter sampling campaigns in Barcelona, Spain.  
*Atmospheric Environment*, 40 [12] 2180-2193 (2006)
- A45.** Zeisbergerová, M. - Košťál, V. - Šrámková, M. - Babica, P. - Bláha, L. - Glatz, Z. - Kahle, V.  
Separation of microcystins by capillary electrochromatography in monolithic columns.  
*Journal of Chromatography B*, 841 [1-2] 140-144 (2006)

## **B. BOOKS AND CHAPTERS IN BOOKS**

- B1.** Dědina, J.  
Generování těkavých sloučenin.  
[Generation of volatile compounds.]  
In: *Atomová absorpční spektrometrie*. Praha : Spektroskopická společnost Jana Marka Marci, 2006. pp. 35-52.  
ISBN 80-903732-0-8
- B2.** Dočekal, B.  
Atomová absorpční spektrometrie s kontinuálním zdrojem záření.  
[Continuum source atomic absorption spectrometry.]  
In: *Atomová absorpční spektrometrie*. Praha : Spektroskopická společnost Jana Marka Marci, 2006. pp. 11-15.  
ISBN 80-903732-0-8
- B3.** Dočekal, B.  
Atomová absorpční spektrometrie s využitím laserových diod.  
[Laser diode atomic absorption spectrometry.]  
In: *Atomová absorpční spektrometrie*. Praha : Spektroskopická společnost Jana Marka Marci, 2006. pp. 29-34.  
ISBN 80-903732-0-8
- B4.** Dočekal, B.  
Přímá analýza pevných vzorků atomovou absorpční spektrometrií s elektrotermickou atomizací.  
[Direct solid sampling atomic absorption spectrometry with electrothermal atomization.]  
In: *Atomová absorpční spektrometrie*. Praha : Spektroskopická společnost Jana Marka Marci, 2006. pp. 68-74.  
ISBN 80-903732-0-8
- B5.** Foret, F.  
Mikrofluidika a nanotechnologie pro proteomiku.  
[Microfluidics and nanotechnology for proteomics.]  
In: *Vysokoúčinné analytické separace biologicky aktivních látek*. Praha : Pražské analytické centrum inovací, 2006 (Juláková, E.). pp. 77-84.  
ISBN 978-80-86238-13-5

- B6.** Roth, M.  
Extrakce stlačenými tekutinami k přípravě organických vzorků pro analýzu.  
[Pressurized fluid extraction for preparation of organic samples for analysis.]  
In: *Vysokoučinné analytické separace biologicky aktivních látek*.  
Praha : Pražské analytické centrum inovací, 2006 (Juláková, E.).  
pp. 106-112.  
ISBN 978-80-86238-13-5

## C. LECTURES AND POSTERS

- C1.** Aturki, Z. - D'Orazio, G. - Rocco, A. - Foret, F. - Klepárník, K. - Fanali, S.  
Use of liquid junction nanoflow electrospray interface for on-line capillary electrophoresis-mass spectrometry.  
*Abstracts of the 29th International Symposium on Capillary Chromatography and 3rd GCxGC Symposium (Ed. Sandra, T.). 2006.*  
[29th International Symposium on Capillary Chromatography and 3rd GCxGC Symposium. Riva del Garda (IT), 29.5.-2.6.2006]  
(poster)
- C2.** Bobálová, J. - Chmelík, J.  
Proteomická identifikace posttranslačních modifikací bílkovin v průběhu sladování.  
[Proteomic identification of posttranslation protein modifications during the malting process.]  
*Sborník příspěvků (Ed. Holasová M.). Praha: VÚPP 2006, pp. 272-275. ISBN 1802-1433*  
[XXXVII. Symposium o nových směrech výroby a hodnocení potravin. Skalský Dvůr (CZ), 29.-31.5.2006]  
(poster)
- C3.** Cabálková, J. - Čmelík, R. - Chmelík, J.  
Combination of tandem mass spectrometry (MS/MS) techniques with HPLC for identification of particular carbohydrates in complex mixtures.  
*XX. biochemický zjazd. Bratislava: Institute of Molecular Physiology and Genetics, Slovak Academy of Sciences, 2006, p. 386. ISBN 80-969532-6-5*  
[XX. biochemický zjazd. Piešťany (SK), 12.-16.9.2006]  
(poster)
- C4.** Čáslavský, J. - Řihák, P.  
Mass spectrometry of cluster boron compounds.  
*24thIMMS. Book of Abstracts. 2006, p. 40.*  
[24th Informal Meeting on Mass Spectrometry. Ustroń (PL), 14.-18.5.2006]  
(poster)

- C5.** Čáslavský, J. - Řihák, P.  
Electrospray ionization - ion trap mass spectrometry of carboranes.  
*Book of Abstracts. Bratislava: Comenius University, 2006. p. 36.*  
*ISBN 80-223-2244-X*  
[XVIIIth Slovak Spectroscopic Conference. Spišská Nová Ves (SK),  
15.-18.10.2006]  
(lecture)
- C6.** Čmelík, R. - Chmelík, J.  
Structural analysis of neutral starch oligosaccharides by mass  
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*XX. biochemický zjazd. Bratislava: Institute of Molecular Physiology  
and Genetics, Slovak Academy of Sciences. 2006, p. 393.*  
*ISBN 80-969532-6-5*  
[XX. biochemický zjazd. Piešťany (SK), 12.-16.9.2006]  
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- C7.** Čulík, J. - Jurková, M. - Horák, T. - Čejka, P. - Kellner, V. - Karásek,  
P. - Roth, M. - Planeta, J.  
Extrakce hořkých kyselin z chmele a chmelových produktů pomocí  
tlakové fluidní extrakce (PFE).  
[Extraction of bitter acids from hop and hop products using  
pressurized fluid extraction (PFE).]  
*Kvasný průmysl 52 [9] 280 (2006)*  
[33. Pivovarsko-sladařský seminář. Plzeň (CZ), 18.-19.10.2006]  
(poster)
- C8.** Dědina, J. - Matoušek, T. - Svoboda, M. - Stýblo, M. - Devesa, V.  
As speciation by cryofocusing - New approaches to atomization for  
atomic absorption and atomic fluorescence.  
*6th ISSEBETS. Book of Abstracts. Bialowieza, 2006, p. 50.*  
*ISBN 83-89968-60-6*  
[6th International Symposium on Speciation of Elements in  
Biological, Environmental and Toxicological Sciences. Bialowieza  
(PL), 21.-25.6.2006]  
(lecture)
- C9.** Dědina, J. - Kratzer, J.  
New way of hydride trapping for atomic absorption spectrometry: in  
quartz tube atomizers !  
*Book of Abstracts. Bratislava: Comenius University, 2006, p. 25.*  
*ISBN 80-223-2244-X*  
[XVIIIth Slovak Spectroscopic Conference. Spišská Nová Ves (SK),  
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(invited lecture)

- C10.** Dědina, J. - Kratzer, J.  
Trapping of arsine and selenium hydride in quartz atomizers for atomic absorption spectrometry: a new way to ultratrace analysis.  
*Book of Abstracts. Barquisimeto, 2006, p. 78.*  
*ISBN 980-12-2202-6*  
[9th Rio Symposium on Atomic Spectrometry. Barquisimeto (VE), 5.-10.11.2006]  
(invited lecture)
- C11.** Dědina, J. - Matoušek, T. - Svoboda, M. - Stýblo, M. - Thomas, D.  
Advanced approaches to arsine atomization for As speciation by cryofocusing with atomic absorption and atomic fluorescence detectors.  
*Book of Abstracts. Barquisimeto, 2006, pp. 279-280.*  
*ISBN 980-12-2202-6*  
[9th Rio Symposium on Atomic Spectrometry. Barquisimeto (VE), 5.-10.11.2006]  
(poster)
- C12.** Dočekal, B.  
Direct solid sampling electrothermal atomic absorption spectrometry.  
*Book of Abstracts. Bratislava: Comenius University, 2006, p. 26.*  
*ISBN 80-223-2244-X*  
[XVIIIth Slovak Spectroscopic Conference. Spišská Nová Ves (SK), 15.-18.10.2006]  
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- C13.** Dočekal, B. - Dočekalová, H. - Řezáčová-Smetková, V.  
Soil characterization by diffusive gradients in thin film (DGT) technique.  
*ISEAC34. Book of Abstracts (Ed. Broekaert, J.). Hamburg : University of Hamburg, 2006, m07.*  
[34th International Symposium on Environmental Analytical Chemistry. Hamburg (DE), 4.-8.6.2006]  
(lecture)
- C14.** Dočekal, B. - Hrušovská, Z. - Krejčí, P.  
Mechanisms of trapping and interference effects in collection of hydride forming elements within atomizers.  
*VII EFS and XII SSC. Book of Abstracts (Ed. Grinstejn, I.). St. Petersburg, 2006, p.33.*  
[VII European Furnace Symposium on Atomic Absorption Spectrometry, Electrothermal Vaporization and Atomization and XII Solid Sampling Colloquium with Atomic Spectrometry. St. Petersburg (RU), 2.-7.7.2006]  
(lecture)



- C15.** Dočekal, B. - Mikuška, P. - Šíkola, T. - Večeřa, Z. - Zlámal, J.  
Electric focusing preconcentration device for element composition monitoring of air aerosols by atomic emission spectroscopy.  
*ISEAC34. Book of Abstracts (Ed. Broekaert, J.). Hamburg: University of Hamburg, 2006, B56.*  
[34th International Symposium on Environmental Analytical Chemistry. Hamburg (DE), 4.-8.6.2006]  
(poster)
- C16.** Dočekal, B. - Večeřa, Z. - Mikuška, P. - Šíkola, T. - Zlámal, J.  
Electric focusing preconcentration devices for element in-time monitoring of airborne particles by atomic emission spectroscopy.  
*Book of Abstracts. Bratislava: Comenius University, 2006, p. 90. ISBN 80-223-2244-X*  
[XVIIIth Slovak Spectroscopic Conference. Spišská Nová Ves (SK), 15.-18.10.2006]  
(poster)
- C17.** Dočekal, B. - Vojtková, B.  
Determination of trace impurities in titanium dioxide by direct solid sampling ETAAS.  
*Book of Abstracts. Bratislava: Comenius University, 2006. p. 91. ISBN 80-223-2244-X*  
[XVIIIth Slovak Spectroscopic Conference. Spišská Nová Ves (SK), 15.-18.10.2006]  
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- C18.** Foret, F.  
Microfluidics and nanotechnology in mass spectrometry.  
*17th IMSC. Abstract Book. Prague, 2006, p. 26.*  
[17th International Mass Spectrometry Conference, Prague (CZ), 27.8.-1.9.2006]  
(keynote lecture)
- C19.** Grossová, O. - Dědina, J.  
Development of L-shaped hydride multiatomizer for atomic absorption spectrometry. Book of Abstracts.  
*VII EFS and XII SSC. Book of Abstracts (Ed. Grinstejn, I.). St. Petersburg, 2006, p.73.*  
[VII European Furnace Symposium on Atomic Absorption Spectrometry, Electrothermal Vaporization and Atomization and XII Solid Sampling Colloquium with Atomic Spectrometry. St. Petersburg (RU), 2.-7.7.2006]  
(poster)

- C20.** Grym, J. - Svobodová, I. - Klepárník, K. - Foret, F.  
Development of microfluidic analytical system for cell electrolysis.  
*EDS '06. Proceedings. Brno: VUT Brno, 2006, pp. 201-204.*  
*ISBN 80-214-3246-2*  
[Electronic Devices and Systems. Brno (CZ), 14.-15.9.2006]  
(poster)
- C21.** Herrmannová, M. - Křivánková, L. - Bartoš, M. - Vytřas, K.  
Isotachophoretic determination of basic amino acids: arginine, histidine and lysine in real matrix.  
*The abstract book (Ed. Blatná, J.). Pardubice: Univezita Pardubice, 2006, pp. 199-200. ISBN 80-7194-855-1*  
[Vitamins 2006. 6th International Conference. Health Ingredients Metabolism Analysis. Pardubice (CZ), 10.-16.9.2006]  
(poster)
- C22.** Herrmannová, M. - Křivánková, L. - Vytřas, K.  
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- C27.** Horáková, H. - Vespalec, R.  
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- C32.** Hyötyläinen, T. - Kallio, M. - Anttila, P. - Pól, J. - Rissanen, T. - Vreuls, R.  
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