

## Call for Papers

For other Special Issues in 2009 please see “News” at [www.electrophoresis-journal.com](http://www.electrophoresis-journal.com)

### Capillary Electrophoresis – Mass Spectrometry 2009

Dear Colleagues,

Capillary electrophoresis-mass spectrometry (CE-MS) has developed into a well-accepted, multidimensional analytical approach in bioanalytical (life sciences), pharmaceutical, environmental, and forensic sciences. In the post-genomic era, the most important sector is the field of bioanalytics, especially in the areas of proteomics, peptidomics and metabolomics.

Due to the success of the previous yearly special issues of **ELECTROPHORESIS** on **CE-MS**, we plan to continue publishing this in the spring of every year in order to provide the reader with a perspective of the current trends in CE-MS. In this regards, the next special issue is being prepared for Spring 2009, to include top of the line research papers from experts in the field.

It is my pleasure to invite you to contribute an article(s) to this special issue. The article can be either an original paper describing complete investigations or a short communication describing results, which are brief, timely and important. Review articles are also welcome, providing the topic of the review is discussed with me. The deadline for manuscript submission to me is Autumn 2008. Each manuscript will be reviewed as normal, following the policy of the Journal.

The special issue on CE-MS will contain original research contributions in all areas of CE-MS as well as CE-ICP-MS, CEC-MS and microchip-MS, including theory, techniques, methodology, detection, compatible chiral and achiral separation systems, partial filling techniques and all kinds of applications that are significant and innovative!

Please email the tentative title of your contribution to me at your earliest convenience. I am confident

that, with your contribution, the special issue will again be an important document for the field of CE-MS.

With my best regards from Munich  
Sincerely yours,

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### CE and CEC of Amino Acids, Peptides and Proteins

Dear Colleagues,

It is my pleasure to invite you to contribute a paper to a special issue of **ELECTROPHORESIS** devoted to **Capillary Electrophoresis (CE) and Capillary Electrochromatography (CEC) of Amino Acids, Peptides and Proteins**. The special issue will cover all aspects of CE and CEC separations of amino acids, peptides and proteins, namely:

- i) New theoretical approaches describing the electromigration properties and behavior of these biomolecules in CE and CEC and simulations of their separations.
- ii) New methodological developments in all modes of CE and CEC applied to separations of these biomolecules: zone electrophoresis, isotachopheresis, isoelectric focusing, affinity electrophoresis, electrokinetic chromatography and electrochromatography.
- iii) Advances in instrumentation used for analysis and separation of these biomolecules: new detection

schemes, hyphenated techniques – multidimensional separations (especially CE-MS and CEC-MS).

- iv) Analysis and separation of amino acids, peptides and proteins on microchips.
- v) Innovative applications of CE and CEC to analysis, preparation and physicochemical and biochemical characterization of amino acids, peptides and proteins in the following areas: proteomics and peptidomics, quality control, determination in biomatrices, monitoring of chemical and physical changes and enzymatic conversions, amino acid and sequence analysis, peptide mapping, stereoisomer sepphysicochemical parameters (mobilities, charges, relative molecular masses, isoelectric points, acidity constants, binding constants and diffusion coefficients).

Your article can be either an original full paper or a short communication describing important new results in the above fields. Review articles and/ or critical reviews are also welcome but the topic should be agreed upon in advance, by sending a brief outline of its contents. The deadline for manuscript submission is **November 15, 2008**. The manuscript should be written according to the Instructions to Authors and should be submitted electronically via the website of **ELECTROPHORESIS** (<http://mc.manuscriptcentral.com/elpho>). The manuscript will be peerreviewed according to the policy of the journal. The issue will be published in June 2009.

I do hope you will accept my invitation to publish the results of your work in this topical issue of **ELECTROPHORESIS**, which is anticipated to have a big impact and will serve as an important reference source in the forthcoming years. Please let me know the tentative title of your contribution by e-mail at your earliest convenience, preferably before **September 10, 2008**.

Thank you for considering this invitation.

With kind regards and looking forward to hear soon from you,

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## Bioanalysis 2009

Dear Authors,

A few weeks ago, the fifth special issue of **ELECTROPHORESIS** dedicated to "Bioanalysis" has appeared. This call is to announce that a sixth one in this series will be published in June 2009 and to invite you to contribute to this next issue.

As in the past, the special issues on "Bioanalysis" are aimed to addressing analysis and characterization of proteins, peptides and glycoproteins, nucleic acids and oligonucleotides, carbohydrates and glycoconjugates, lipids and other bioactive molecules by innovative electromigration-based microseparation methods in various formats. They will cover capillary-technique-, slab gel- and, particularly, chip-based miniaturized formats and their combination with laser-induced fluorescence (LIF) and (tandem) mass spectrometry (MS) and other upfront detection methods. Technological and methodological innovations as well as novel, important and interesting applications are highly welcomed topics of this issue.

The special issues of "Bioanalysis" should include top of the line research papers from experts in the

field demonstrating innovative strategies, potential and current trends of electromigration-based microseparation methods as key tools in modern bioanalysis. Topics include genomics, proteomic research, glycomics, lipidomics and metabolomics covering the complete area of life-science.

I would like to cordially invite you to participate in this special issue by presenting your current results within a research article or a short communication. Review articles are also welcome provided the topic of the review is discussed with us. The deadline for manuscript submission will be **November 30, 2008**. Each manuscript should be written according to the Instructions to Authors and should be submitted electronically via the website of **ELECTROPHORESIS** (<http://mc.manuscriptcentral.com/elpho>). The manuscript will be peer-reviewed according to the policy of the journal.

If you intend to contribute to this issue with an article, please, give me a positive answer by e-mail at your earliest convenience providing also the tentative title of your contribution.

I am confident that, with your contribution, the special issue will be an important document in the field of Bioanalysis.

Thank you for your interest and your cooperation.

Sincerely yours,

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## Enantioseparations 2009

Dear author,

The journal **ELECTROPHORESIS** is again planning a special issue

that will focus on issues and research related to the topic of "Enantioseparations by electromigration techniques". Original, previously unpublished research as well as review papers are sought in all relevant areas, including: fundamentals and methodologies, new chiral selectors, chiral capillary electrochromatography, pharmaceutical, environmental and food science applications, *etc.*

As Guest Editor, it is my pleasure to invite you to contribute an article for this special issue. The deadline for submission is **December 12th, 2008** and the issue will be published in August 2009. Manuscripts should be submitted online (<http://mc.manuscriptcentral.com/elpho>), informing in the cover letter that the manuscript is submitted to this special issue. All submitted papers will go through the full peer review process. For review articles, please contact us prior to manuscript preparation, providing a tentative title and a short abstract.

I do hope you will accept my invitation and I would appreciate if you could send me the tentative title of your contribution at your earliest convenience.

I very much look forward to hearing from you soon and thank you in advance for your consideration to submit an article to this special issue.

With best wishes,

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