



Editorial

Editorial on “Mass transfer kinetics, band broadening and column efficiency” by F. Gritti and G. Guiochon

Mass transfer kinetics is the dominant band broadening mechanism at mobile phase velocities in excess of the optimum velocity. A better understanding of these processes could lead to improved column technology, and to faster and more selective separations. While the goal is clear and important, finding the details of the processes involved has proven to be an immense challenge. Not only must the various band-broadening processes be deconvoluted, but peak profiles and plate heights must be accurately measured before any of the deconvolution methods can yield useful information.

Georges Guiochon and Fabrice Gritti have prepared a detailed review of the history, the progress, and the remaining problems regarding these issues. These prolific authors are surely familiar to all our readers. For our newer readers, or perhaps for anyone who

missed it, Volume 1126 of our Journal was dedicated in honor of Georges' 75th birthday, and I call your attention to a Commemoration written by Mark Schure and Anita Katti [1].

I hope you all enjoy this paper and learn as much from it as I did. I thank Georges for accepting my invitation to contribute to this volume of the Editors' Choice issue of the Journal.

Reference

- [1] M.R. Schure, A.M. Katti, *J. Chromatogr. A* 1126 (2006) 2.

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