

*Dedicated to Professor Ionel Haiduc
on the occasion of his 65th birthday*

RECENZII - BOOK REVIEWS

Planar Chromatography A Retrospective View for the Third Millennium, Ed. Sz. Nyiredy, Springer, Budapest, 2001, 614 p.

A book has a monographic character and the material is systematized on domains as follow: 1. A contemporary view of the kinetic theory of planar chromatography (C.F. Poole); 2. Adsorbents in thin-layer chromatography (T. Kowalska); 3. Optimization of the mobile phase (A.M. Siouffi and M. Abbou); 4. Modern TLC chambers (T.H. Dzido); 5. The different modes of development (B. Szabady); 6. Multidimensional planar chromatography (Sz. Nyiredy); 7. Modern sample application methods (T. Omori); 8. Overpressured-layer chromatography (optimum performance laminar chromatography) (OPLC) (E. Tyihak and E. Mincsovcics); 9. Rotation planar chromatography (Sz. Nyiredy); 10. Electroosmotically driven TLC (J.Z. Rozylo and I. Malinowska); 11. Displacement chromatography and its application using a planar stationary phase (H. Kalasz and M. Báthori); 12. Planar chromatography and densitometry (W. Dammertz and E. Reich); 13. Planar chromatography and IR (I.O.C. Rager and K.-A. Kovar); 14. Planar chromatography with mass spectrometric detection (K.L. Busch); 15. Practical aspects of ion-pair thin-layer chromatography (I.D. Wilson); 16. Application of planar chromatography and digital autoradiography in metabolism research (I. Kleibovich); 17. Photoacoustics and photothermy in planar chromatography (I. Vovk and G. Močnik);

18. Validation of planar chromatographic procedures (K. Ferenczi-Fodor, Z. Végh, A. Nagy-Turák, B. Renger and M. Zeller); 19. Quantitative analysis in TLC and HPTLC (S. Ebel); 20. Possibilities of preparative planar chromatography (Sz. Nyiredy); 21. Pre- and post-chromatographic derivatization (G. Cîmpan); 22. Documentation in thin-layer chromatography (E. Hahn-Deinstrop); 23. Image analysis (I. Vovk, M. Prošek and R.E. Kaiser); 24. Detection of microbiologically active compounds (L. Botz, S. Nagy and B. Kocsis); 25. Chiral separations by TLC (L. Lepri, M. Del Bubba and A. Cincinelli); 26. Planar chromatography in medicinal plant research (Sz. Nyiredy and K. Glowniak); 27. Thin-layer chromatography in environmental analysis (J. Sherma); 28. Planar chromatography in pharmaceutical practice (K. Ferenczi-Fodor, Z. Végh and B. Renger); 29. Future possibilities and dreams of planar liquid chromatography (R.E. Kaiser).

Each chapter contains personal research results obtained by the authors with their teams from institutes or research groups, which have as fundamental concern the reported issue.

Theoretical and practical aspects of thin-layer chromatography (TLC) are presented in this book.

More than 1700 literature references were quoted.

The book is very interesting for liquid chromatography specialists as well as researchers, which use TLC.

C.P. I Dr. C. MĂRUȚOIU