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Poziția actuala: Profesor universitar Dr., Universitatea din București, Facultatea de Chimie.

Conducător de doctorat: Da; din Mai 2006.

Domenii de competența: metode de separare, tehnici cromatografice, tehnici cromatografice multidimensionale și tandem, detecție MS și MS/MS în cromatografie, calificarea sistemelor cromatografice, validarea metodelor cromatografice, metode de preparare a probelor pentru cromatografie; aplicațiile cromatografiei în monitorizarea mediului; separări cromatografice enantioselective; aplicațiile cromatografiei în controlul calității produselor farmaceutice, bioechivalența formulărilor farmaceutice, asigurarea calității în laboratorul analitic.

Activitate didactică: **Cursuri:** Metode cromatografice în monitorizarea mediului (an III Chimia Mediului, s. Bologna); Metode de separare (an II, Chimie, s. Bologna), Metode de separare și analiza de urme (an III și IV de studii la secțiile Chimie predare în lb. Franceză și Chimie predare în lb. Engleză); Analiza poluanților mediului (master an I).

Membru în Editorial Boards: Bioanalysis (Future Science Ltd., U.K.) – ISSN 1757-6199.

Referent la reviste de specialitate: Journal of Chromatography A; Journal of Chromatography B; Journal of Pharmaceutical and Biochemical Analysis; Chromatographia; Analytical Letters; Revue Roumaine de Chimie; Revista de Chimie.

Evaluator la: C.N.C.S.I.S.; RENAR.; ARACIS

Lista lucrărilor publicate.

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1. Characterization of a new norfloxacin metabolite monitored during a bioequivalence study by means of mass spectrometry and quantum computation

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2. Effect of large volume injection of hydrophobic solvents on the retention of less hydrophobic pharmaceutical solutes in RP-LC

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JOURNAL OF SEPARATION SCIENCE; 31(16-17) 2939-2945 (2008).

3. Nonlinear calibrations on the assay of diltiazem and two of its metabolites from plasma samples by means of liquid chromatography and ESI/MS² detection: application to a bioequivalence study

Georgita C, Albu F, David V, Medvedovici A
BIOMEDICAL CHROMATOGRAPHY, 22(3) 289-297 (2008).

4. Hydrophobicity parameter (log K_{ow}) estimation for some phenolic compounds of pharmaceutical interest from retention studies with mobile phase composition in reversed-phase liquid chromatography

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5. Considerations on MS/MS detection of Bromazepam after liquid chromatographic separation from plasma samples: application to a bioequivalence study

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6. Validated ion pair liquid chromatography/fluorescence detection method for assessing the variability of the loratadine metabolism occurring in bioequivalence studies

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8. Simultaneous assay of metformin and glibenclamide in human plasma based on extraction-less sample preparation procedure and LC/(APCI)MS
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9. Achiral-chiral LC/LC-FLD coupling for determination of carvedilol in plasma samples for bioequivalence purposes
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10. Structure-retention correlation in liquid chromatography for pharmaceutical applications
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11. Fast RPLC-UV method on short sub-two microns particles packed column for the assay of tenoxicam in plasma samples
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12. Determination of glibenclamide in human plasma by liquid chromatography and atmospheric pressure chemical ionization/MS-MS detection
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14. High-throughput liquid-chromatography method with fluorescence detection for reciprocal determination of furosemide or norfloxacin in human plasma
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18. Determination of metformin plasma samples by HPLC-DAD based on plasma derivatization and precipitation with acetic anhydride

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chiral stationary phases.

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14. Analiză instrumentală și metode analitice de separare
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