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Guidance for robustness/ruggedness tests in method validation

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|-----|---|-----|-----------|
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| 474 | Bioanalytical method validation and its implications for forensic and clinical toxicology [A review. <b>2002</b> , 1-9  |     | 2         |
| 473 | Continued discussion of Quantitative whole-body autoradiography in the pharmaceutical industry. Survey results on study design, methods and regulatory compliance]. <b>2002</b> , 48, 187-189   |     | 3         |
| 472 | Optimization and validation of a CZE method for rifloxacin hydrochloride determination in coated tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2002</b> , 28, 1161-71  | 3.5 | 18        |
| 471 | Validated HPLC method for determination of sennosides A and B in senna tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2002</b> , 29, 881-94   | 3.5 | 19        |
| 470 | Derivation of system suitability test limits from a robustness test on an LC assay with complex antibiotic samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2002</b> , 30, 1197-206   | 3.5 | 16        |
| 469 | Simultaneous determination of ketoconazole and formaldehyde in a shampoo: liquid chromatography method development and validation. <b>2002</b> , 958, 191-201   |     | 30        |
| 468 | Parallel co-ordinate geometry and principal component analysis for the interpretation of large multi-response experimental designs. <b>2002</b> , 458, 397-415  |     | 6         |
| 467 | How experimental design can improve the validation process. Studies in pharmaceutical analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 377, 937-44   | 4.4 | 33        |
| 466 | Influence of peak measurement parameters on the quality of chiral electrophoretic separations. <b>2003</b> , 24, 2469-80  |     | 13        |
| 465 | Investigation of the chiral separation of cisapride on Chiralcel OJ and OJ-R columns. <b>2003</b> , 498, 9-24   |     | 5         |
| 464 | Robustness testing of chiral separations by capillary electrophoresis using highly-sulfated cyclodextrins. <b>2003</b> , 1007, 165-77   |     | 39        |
| 463 | Development and validation of a heart-cutting liquid chromatography/mass spectrometry method for the determination of process-related substances in cetirizine tablets. <b>2003</b> , 492, 271-282  |     | 38        |
| 462 | Validation of an HPLC method on short columns to assay ketoconazole and formaldehyde in shampoo. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2003</b> , 32, 1-19  | 3.5 | 37        |
| 461 | Fast separations on monolithic silica columns: method transfer, robustness and column ageing for some case studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2003</b> , 32, 233-49   | 3.5 | 54        |
| 460 | Development and Single-Laboratory Validation of a Reversed-Phase Liquid Chromatography/Electrospray Tandem Mass Spectrometry Method for Identification and Determination of Acrylamide in Foods. <i>Journal of AOAC INTERNATIONAL</i> , <b>2004</b> , 87, 107-115 | 1.7 | 18        |
| 459 | Chemometrical Approach in Fosinopril-Sodium and its Degradation Product Fosinoprilat Analysis. <b>2004</b> , 60,  |     | 9         |

|     |   |      |     |
|-----|---|------|-----|
| 458 | Robustness of models developed by multivariate calibration. Part I. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2004</b> , 23, 157-170  | 14.6 | 83  |
| 457 | Quantitative determination of p-aminosalicylic acid and its degradation product m-aminophenol in pellets by ion-pair high-performance liquid chromatography applying the monolithic Chromolith Speedrod RP-18e column. <i>Biomedical Chromatography</i> , <b>2004</b> , 18, 55-63 | 1.7  | 15  |
| 456 | Experimental design in reversed-phase high-performance liquid chromatographic analysis of imatinib mesylate and its impurity. <b>2004</b> , 1031, 243-8   |      | 27  |
| 455 | Prevalidation in pharmaceutical analysis. Part I. Fundamentals and critical discussion. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2004</b> , 35, 489-512  | 3.5  | 21  |
| 454 | Harmonization of strategies for the validation of quantitative analytical procedures. A SFSTP proposal--Part I. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2004</b> , 36, 579-86   | 3.5  | 40  |
| 453 | Micellar electrokinetic chromatography for the simultaneous determination of ketorolac tromethamine and its impurities. Multivariate optimization and validation. <b>2004</b> , 1032, 253-63  |      | 39  |
| 452 | Development of a capillary gas chromatographic procedure. <b>2004</b> , 519, 219-230  |      | 37  |
| 451 | Harmonization of strategies for the validation of quantitative analytical procedures: A SFSTP proposal--Part I. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2004</b> , 36, 579-586  | 3.5  | 317 |
| 450 | Uncertainty assessment from robustness testing applied on an LC assay for R-timolol and other related substances in S-timolol maleate. <b>2005</b> , 531, 131-140   |      | 14  |
| 449 | The variance of screening and supersaturated design results as a measure for method robustness. <b>2005</b> , 544, 268-279  |      | 10  |
| 448 | Robustness tests on the United States Pharmacopoeia XXVI HPLC assay for ginsenosides in Asian and American ginseng using an experimental design. <b>2005</b> , 536, 29-38   |      | 7   |
| 447 | What kind of experimental design for finding and checking robustness of analytical methods?. <b>2005</b> , 544, 184-190   |      | 30  |
| 446 | Kinetic spectrophotometric methods for determination of trimetazidine dihydrochloride. <b>2005</b> , 551, 222-231   |      | 50  |
| 445 | Enantiomeric determination, validation and robustness studies of racemic citalopram in pharmaceutical formulations by capillary electrophoresis. <b>2005</b> , 1072, 249-57   |      | 55  |
| 444 | Development of a ginkgo biloba fingerprint chromatogram with UV and evaporative light scattering detection and optimization of the evaporative light scattering detector operating conditions. <b>2005</b> , 1085, 230-9  |      | 61  |
| 443 | Separation strategy for acidic chiral pharmaceuticals with capillary electrochromatography on polysaccharide stationary phases. <b>2005</b> , 26, 818-32  |      | 38  |
| 442 | Plate number requirements for establishing method suitability. <b>2005</b> , 43, 67-72  |      | 5   |
| 441 | Validation of chromatographic methods of analysis. <b>2005</b> , 32, 243-59   |      | 23  |

|     |   |     |     |
|-----|---|-----|-----|
| 440 | The Role of the Robustness/Ruggedness and Inertia Studies in Research and Development of Analytical Processes. <b>2005</b> , 35, 57-69  |     | 15  |
| 439 | Retention Behavior of Metformin and Related Impurities in Ion-Pairing Liquid Chromatography. <b>2005</b> , 28, 81-95  |     | 19  |
| 438 | Validation of an HPLC method for the simultaneous determination of eletriptan and UK 120.413. <b>2006</b> , 71, 1195-1205   |     | 5   |
| 437 | Randomization tests to identify significant effects in experimental designs for robustness testing. <b>2006</b> , 564, 184-200  |     | 31  |
| 436 | Separation of 3'-azido-2',3'-dideoxythymidine pronucleotide diastereoisomers in biological samples by CZE with cyclodextrin addition. <b>2006</b> , 1111, 139-46  |     | 14  |
| 435 | Improvement and validation of an HPLC method for examining the effects of the MDR1 gene polymorphism on sparfloxacin pharmacokinetics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2006</b> , 834, 84-92 | 3.2 | 4   |
| 434 | Mixture design in the optimization of a microemulsion system for the electrokinetic chromatographic determination of ketorolac and its impurities: method development and validation. <b>2006</b> , 27, 805-18  |     | 28  |
| 433 | Micellar electrokinetic capillary chromatography determination of zinc bacitracin and nystatin in animal feed. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 1288-93   | 3.4 | 14  |
| 432 | The minimum significant ratio: a statistical parameter to characterize the reproducibility of potency estimates from concentration-response assays and estimation by replicate-experiment studies. <b>2006</b> , 11, 253-61                                       |     | 100 |
| 431 | Development and Validation of Liquid Chromatography Method for the Separation of Valdecocix and its SC-77852 Impurity. <b>2006</b> , 39, 1875-1890  |     | 6   |
| 430 | Subsecond FFT-adsorptive Voltammetric Technique as a Novel Method for Subnano Level Monitoring of Piroxicam in its Tablets and Bulk Form at Au Microelectrode in Flowing SolutionsView all notes. <b>2007</b> , 40, 747-762                                       |     | 23  |
| 429 | Development and validation of a HPLC method for the determination of voriconazole in pharmaceutical formulation using an experimental design. <b>2007</b> , 71, 1424-9  |     | 56  |
| 428 | Development a New Method for the Determination of Chlorpromazine in Trace Amounts by Fast Fourier Continuous Cyclic Voltammetry at an Au Microelectrode in a Flowing System. <b>2007</b> , 54, 1243-1251  |     | 3   |
| 427 | Application of Adsorptive Stripping Voltammetry for the Nano-Level Detection of Tramadol in Biological Fluids and Tablets Using Fast Fourier Transform Continuous Cyclic Voltammetry at an Au Microelectrode in a Flowing System. <b>2007</b> , 40, 2252-2270     |     | 14  |
| 426 | Thermostability testing and degradation profiles of doxycycline in bulk, tablets, and capsules by HPLC. <b>2007</b> , 45, 623-8   |     | 20  |
| 425 | A Chemometrical Approach to Optimization and Validation of an HPLC Assay for Rizatriptan and its Impurities in Tablets. <b>2007</b> , 40, 2301-2316   |     | 6   |
| 424 | Quantitation and Validation of Fluoroquinolones in Eggs Using Liquid Chromatography/Tandem Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , <b>2007</b> , 90, 613-625  | 1.7 | 12  |
| 423 | ChemoAC: its contribution to the advancement of Chemometrics. <b>2007</b> , 21, 257-262   |     | 8   |

|     |  |        |
|-----|--|--------|
| 422 | Generalized FEAR method to estimate factor effects in two-level supersaturated designs. <b>2007</b> , 21, 303-323  | 3      |
| 421 | Development of a CZE method for the determination of mizolastine and its impurities in pharmaceutical preparations using response surface methodology. <b>2007</b> , 28, 395-405   | 14     |
| 420 | Optimization of the ESI and APCI experimental variables for the LC/MS determination of s-triazines, methylcarbamates, organophosphorous, benzimidazoles, carboxamide and phenylurea compounds in orange samples. <b>2007</b> , 42, 1348-57 | 18     |
| 419 | Nano-level detection of naltrexone hydrochloride in its pharmaceutical preparation at Au microelectrode in flowing solutions by fast fourier transforms continuous cyclic voltammetry as a novel detector. <b>2007</b> , 96, 2009-17       | 30     |
| 418 | Validation of new methods. <b>2007</b> , 165, 216-24   | 944    |
| 417 | Robust DOSY NMR data analysis. <b>2007</b> , 85, 9-19  | 9      |
| 416 | Fixing Effects and Adding Rows (FEAR) method to estimate factor effects in supersaturated designs constructed from Plackett-Burman designs. <b>2007</b> , 85, 220-231  | 6      |
| 415 | Evaluation of chromatographic descriptors for the prediction of gastro-intestinal absorption of drugs. <b>2007</b> , 1138, 190-202   | 33     |
| 414 | Ruggedness and robustness testing. <b>2007</b> , 1158, 138-57  | 163    |
| 413 | Comparison of Plackett-Burman and supersaturated designs in robustness testing. <b>2007</b> , 595, 59-71   | 27     |
| 412 | Development of fast Fourier transform continuous cyclic voltammetry at Au microelectrode in flowing solutions as a novel method for sub-nanomolar monitoring of lidocaine in injection and biological fluids. <b>2007</b> , 590, 74-80     | 22     |
| 411 | Simultaneous multiresponse optimization applied to epinastine determination in human serum by using capillary electrophoresis. <b>2007</b> , 595, 310-8  | 15     |
| 410 | Precision of micellar electrokinetic capillary chromatography in the determination of seven antibiotics in pharmaceuticals and feedstuffs. <b>2007</b> , 594, 119-27   | 20     |
| 409 | Sequential voltammetric determination of trace metals in meals. <i>Microchemical Journal</i> , <b>2007</b> , 85, 321-328   | 10     |
| 408 | Isocratic RP-HPLC method for rutin determination in solid oral dosage forms. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 43, 718-21   | 3.5 53 |
| 407 | Robustness testing of a chiral NACE method for R-timolol determination in S-timolol maleate and uncertainty assessment from quantitative data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 44, 640-51         | 3.5 22 |
| 406 | Concentrations of nandrolone metabolites in urine after the therapeutic administration of an ophthalmic solution. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 44, 173-9                                       | 3.5 10 |
| 405 | Evaluation of impurities level of perindopril tert-butylamine in tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 44, 1087-94   | 3.5 22 |

|     |  |     |     |
|-----|--|-----|-----|
| 404 | Harmonization of strategies for the validation of quantitative analytical procedures. A SFSTP proposal-part II. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 45, 70-81   | 3.5 | 265 |
| 403 | A sub-second fast Fourier transform-adsorptive voltammetric technique for the nano-level determination of guthion at a gold microelectrode in flowing solutions. <b>2007</b> , 143, 264-70   |     | 16  |
| 402 | Development a new method for the determination of paromomycin in trace amounts by fast Fourier continuous cyclic voltammetry at an Au microelectrode in a flowing system. <b>2007</b> , 123, 1125-1132   |     | 19  |
| 401 | A stability-indicating high performance liquid chromatographic (HPLC) assay for the simultaneous determination of atorvastatin and amlodipine in commercial tablets. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 846, 215-21 | 3.2 | 100 |
| 400 | A novel method for fast determination of ranitidine in its pharmaceutical formulations by fast continuous cyclic voltammetry. <b>2007</b> , 55, 289-96   |     | 37  |
| 399 | Stability-Indication LC Determination of Entacapone in Tablets. <b>2007</b> , 65, 595-599  |     | 20  |
| 398 | Validation of an HPLC Method for the Determination of Valdecoxib and its Degradation Product: a Mixture of $\beta$ - and $\alpha$ -Lactosyl Sulfonamide Anomers. <b>2007</b> , 66, 29-35   |     | 5   |
| 397 | Determination of doxycycline in pharmaceuticals and human urine by micellar electrokinetic capillary chromatography. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 387, 695-701  | 4.4 | 24  |
| 396 | Hydroxymethylfurfural: an enemy or a friendly xenobiotic? A bioanalytical approach. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 387, 2801-14   | 4.4 | 50  |
| 395 | Comparative study of different approaches to the determination of robustness for a sensitive-stacking capillary electrophoresis method. Estimation of system suitability test limits from the robustness test. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 389, 541-53         | 4.4 | 5   |
| 394 | Comparative study of robustness between micellar electrokinetic capillary chromatography and high-performance liquid chromatography using one-variable-at-a-time and a new multi-variable-at-a-time approach. <b>2008</b> , 620, 150-61  |     | 26  |
| 393 | Supersaturated designs: set-ups, data interpretation, and analytical applications. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 390, 1227-40  | 4.4 | 11  |
| 392 | Densitometric determination of zinc bacitracin and nystatin in animal feed. <b>2008</b> , 88, 1576-1581  |     | 2   |
| 391 | Method development for HILIC assays. <i>Journal of Separation Science</i> , <b>2008</b> , 31, 1438-48  | 3.4 | 112 |
| 390 | Micellar electrokinetic chromatographic screening of letrozole and its metabolite in human urine: validation and robustness/ruggedness evaluation. <b>2008</b> , 29, 811-8   |     | 7   |
| 389 | Comparison of capillary electrophoresis and high performance liquid chromatography for determination of flavonoids in <i>Achillea millefolium</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 46, 609-14  | 3.5 | 28  |
| 388 | Raman spectroscopy as a process analytical technology (PAT) tool for the in-line monitoring and understanding of a powder blending process. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 48, 772-9   | 3.5 | 119 |
| 387 | Factorial analysis optimization of a Diltiazem kinetic spectrophotometric quantification method. <b>2008</b> , 609, 1-12   |     | 16  |

|     |   |    |
|-----|---|----|
| 386 | Micellar electrokinetic chromatographic method for the determination of letrozole, citalopram and their metabolites in human urine. <b>2008</b> , 1185, 281-90  | 20 |
| 385 | Robustness test of a headspace solid-phase microextraction method for the determination of chloroanisoles and chlorophenols related to cork taint in wine using experimental design. <b>2008</b> , 1208, 54-61  | 12 |
| 384 | Sub-second adsorption for the fast sub-nanomolar monitoring of Clindamycin in its pure and pharmaceutical samples by fast Fourier transformation with the use of continuous cyclic voltammetry at an Au microelectrode in a flowing system. <b>2008</b> , 28, 87-93 | 20 |
| 383 | Development of fast Fourier transformations with continuous cyclic voltammetry at an Au microelectrode and its application for the sub nano-molar monitoring of methyl morphine trace amounts. <b>2008</b> , 28, 1311-1318  | 16 |
| 382 | LC Determination of Lercanidipine and Its Impurities Using Drylab Software and Experimental Design Procedures. <b>2008</b> , 67, 449-454  | 13 |
| 381 | Selective Densitometric Analysis of Cephalosporins Using Dragendorff Reagent. <b>2008</b> , 68, 365-374   | 15 |
| 380 | A novel method for fast determination of vitamin B6 by fast continuous cyclic voltammetry. <b>2008</b> , 44, 158-166  | 5  |
| 379 | Nonelectroactive recognition: Monitoring of perphenazine by its subsecond adsorption on an Au microelectrode by the fast fourier transform continuous cyclic voltammetric technique (FFTCCV). <b>2008</b> , 44, 1015-1023   | 2  |
| 378 | Sotalol nanolevel detection at an Au microelectrode in flowing solutions. <b>2008</b> , 44, 1024-1030   | 7  |
| 377 | Novel method for the determination of trace amounts of metformin in its pharmaceutical formulation by fast Fourier continuous cyclic voltammetric technique at Au microelectrode in flowing solutions. <b>2008</b> , 44, 1135-1143                                  | 3  |
| 376 | A new method for the determination of loratadine at an Au microelectrode in flowing systems with the use of fast continuous cyclic voltammetry. <b>2008</b> , 63, 566-573   | 9  |
| 375 | Validation of UV Spectrophotometric Method for Quantitative Determination of Entacapone in Tablets Using Experimental Design of Plackett-Burman for Robustness Evaluation and Comparison with HPLC. <b>2008</b> , 41, 571-581                                       | 11 |
| 374 | Determination of caffeine and associated compounds in food, beverages, natural products, pharmaceuticals, and cosmetics by micellar electrokinetic capillary chromatography. <b>2008</b> , 46, 137-43   | 19 |
| 373 | Application of an experimental design for the optimization and validation of a new HPLC method for the determination of vancomycin in an extemporaneous ophthalmic solution. <b>2008</b> , 46, 828-34   | 13 |
| 372 | Development and Validation of a HPLC Method for the Simultaneous Determination of Ketoprofen Lysine Salt and Preservative in OKI Spray. <b>2008</b> , 31, 1060-1071   | 2  |
| 371 | Optimal conditions for determination of zinc bacitracin, polymyxin B, oxytetracycline and sulfacetamide in animal feed by micellar electrokinetic capillary chromatography. <b>2008</b> , 25, 424-31  | 17 |
| 370 | 9 Robustness testing of CE methods. <b>2008</b> , 9, 185-224  | 0  |
| 369 | Micellar electrokinetic chromatographic study of the separation of an aromatase inhibitor and a tricyclic antidepressant in the breast cancer treatment. <b>2008</b> , 3, 91-101  | 5  |

|     |   |     |    |
|-----|---|-----|----|
| 368 | Development and Validation of LC Method for the Determination of Famciclovir in Pharmaceutical Formulation Using an Experimental Design. <b>2008</b> , 5, 58-67   |     | 4  |
| 367 | Estimation of Dietary Intake of Biotin and Its Measurement Uncertainty Using Total Diet Samples in Osaka, Japan. <i>Journal of AOAC INTERNATIONAL</i> , <b>2008</b> , 91, 1402-1408   | 1.7 | 5  |
| 366 | Quantitation and Validation of Macrolide Endectocides in Raw Milk by Negative Ion Electrospray MS/MS. <i>Journal of AOAC INTERNATIONAL</i> , <b>2009</b> , 92, 580-596  | 1.7 | 18 |
| 365 | Experimental Design in Method Optimization and Robustness Testing. 11-74  |     | 4  |
| 364 | Robustness Testing of Microemulsion Liquid Chromatographic Separation of Simvastatin and its Impurities. <b>2009</b> , 32, 874-889  |     | 7  |
| 363 | Development and validation of a stability-indicating method for the quantitation of Paclitaxel in pharmaceutical dosage forms. <b>2009</b> , 47, 599-604  |     | 13 |
| 362 | Development and validation of a stability-indicating LC method for the determination of venlafaxine in extended-release capsules and dissolution kinetic studies. <b>2009</b> , 47, 770-6   |     | 7  |
| 361 | Monitoring of Methyldopa by Fast Fourier Transform Continuous Cyclic Voltammetry at Gold Microelectrode. <b>2009</b> , 27, 732-738  |     | 3  |
| 360 | Determination of Theophylline at a Cysteic Acid Modified Glassy Carbon Electrode. <b>2009</b> , 21, 772-778   |     | 33 |
| 359 | Validation of a high-performance liquid chromatography method for the determination of (-)-alpha-bisabolol from particulate systems. <i>Biomedical Chromatography</i> , <b>2009</b> , 23, 966-72  | 1.7 | 8  |
| 358 | Reproducibility estimates from single-laboratory ruggedness tests compared with those derived from collaborative trials of six microbiological measurement methods. <b>2009</b> , 14, 123-137   |     | 2  |
| 357 | Identification of significant effects from an experimental screening design in the absence of effect sparsity. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2009</b> , 877, 2252-61 | 3.2 | 10 |
| 356 | Optimized and validated spectrophotometric methods for the determination of raloxifene in pharmaceuticals using permanganate. <b>2009</b> , 32, 1271-9  |     | 7  |
| 355 | Electrochemical evaluation of non-electroactive drug erythromycin in trace amount at biological samples by continuous cyclic voltammetry. <b>2009</b> , 29, 1281-1287   |     | 7  |
| 354 | Improving the capillary electrophoretic analysis of poliovirus using a Plackett-Burman design. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 50, 655-63  | 3.5 | 20 |
| 353 | Improving precision in gel electrophoresis by stepwisely decreasing variance components. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 50, 320-7   | 3.5 | 7  |
| 352 | Chemometrical evaluation of ropinirole and its impurity's chromatographic behavior. <b>2009</b> , 1216, 1263-9  |     | 21 |
| 351 | Development and validation of a normal-phase high-performance thin layer chromatographic method for the analysis of sulfamethoxazole and trimethoprim in co-trimoxazole tablets. <b>2009</b> , 1216, 7102-7                                 |     | 23 |



|     |  |     |    |
|-----|--|-----|----|
| 350 | The use of experimental design in separation science. <i>Acta Chromatographica</i> , <b>2009</b> , 21, 161-201   | 1.5 | 44 |
| 349 | A Bayesian Design Space Approach to Robustness and System Suitability for Pharmaceutical Assays and Other Processes. <b>2009</b> , 1, 441-449  |     | 23 |
| 348 | Simple, Highly Sensitive Micro HPLC Method for the Determination of Coenzyme Q10 and its Major Related Substances. <b>2009</b> , 32, 860-873   |     | 6  |
| 347 | EXPERIMENTAL DESIGN STRATEGIES IN LC METHOD DEVELOPMENT AND IN ROBUSTNESS TESTING FOR REVERSIBLE CHOLINESTERASE INHIBITOR RIVASTIGMINE IN PHARMACEUTICAL FORMULATION. <b>2009</b> , 33, 191-201  |     |    |
| 346 | Application of adsorptive voltammetry for the detection of sub-nano molar cyclizine in biological fluids and tablets using fast Fourier transform continuous cyclic voltammetry in a flowing system. <b>2009</b> , 25, 505-10  |     |    |
| 345 | LC-MS as a Method of Identification and Quantification of Plant Metabolites. <b>2010</b> , 277-306   |     |    |
| 344 | Analysis of process parameters affecting spray-dried oily core nanocapsules using factorial design. <b>2010</b> , 11, 1422-31  |     | 13 |
| 343 | An Integrated Approach Based on Experimental Designs for Fingerprint Development of the Complex Herbal Prescription Sheng-Mai-San by MEKC. <b>2010</b> , 71, 667-677   |     | 7  |
| 342 | Factorial Design in Optimization of Chromatographic Separation of Ramipril and Its Impurities. <b>2010</b> , 71, 799-804   |     | 3  |
| 341 | Simple and selective method for the determination of various tyrosine kinase inhibitors used in the clinical setting by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2010</b> , 878, 1059-68 | 3.2 | 73 |
| 340 | Monitoring of Anti Cancer Drug Letrozole by Fast Fourier Transform Continuous Cyclic Voltammetry at Gold Microelectrode. <b>2010</b> , 28, 1133-1139   |     | 7  |
| 339 | Development of a validated liquid chromatographic method for the determination of related substances and assay of tenofovir disoproxil fumarate. <i>Journal of Separation Science</i> , <b>2010</b> , 33, 1708-16  | 3.4 | 9  |
| 338 | Study of the effect of pH and dissolved heavy metals on the growth of sulfate-reducing bacteria by a fractional factorial design. <b>2010</b> , 104, 494-500   |     | 25 |
| 337 | Development and validation of a simple and sensitive liquid chromatography-tandem mass spectrometry method for quantifying trimetazidine in human plasma. <b>2010</b> , 37, 501-5  |     | 7  |
| 336 | A Liquid Chromatographic Method for Routine Analysis of 5-Mononucleotides in Pediatric Formulas. <i>Journal of AOAC INTERNATIONAL</i> , <b>2010</b> , 93, 966-973  | 1.7 | 14 |
| 335 | Validation of a Column Liquid Chromatographic Method for the Analysis of Pramipexole and Its Five Impurities. <i>Journal of AOAC INTERNATIONAL</i> , <b>2010</b> , 93, 1102-1112   | 1.7 | 15 |
| 334 | Optimization and Validation of an RP-HPLC Method for Analysis of Hydrocortisone Acetate and Lidocaine in Suppositories. <i>Journal of AOAC INTERNATIONAL</i> , <b>2010</b> , 93, 102-107   | 1.7 | 13 |
| 333 | FAST AND SENSITIVE NEW HPLC-UV METHOD FOR DETERMINATION OF OMEPRAZOLE AND MAJOR RELATED SUBSTANCES IN PHARMACEUTICAL FORMULATION. <b>2010</b> , 33, 1666-1678  |     | 11 |

|     |  |       |
|-----|--|-------|
| 332 | Bioanalytical method validation: An updated review. <b>2010</b> , 1, 25-38   | 118   |
| 331 | Recent developments in chromatographic fingerprints from herbal products: set-up and data analysis. <b>2010</b> , 13, 900-22   | 36    |
| 330 | An HPLC method for the determination of bromadiolone plasma kinetics and its residues in hen eggs. <b>2010</b> , 48, 714-20  | 6     |
| 329 | Simultaneous determination of ezetimibe and simvastatin in pharmaceutical preparations by MEKC. <b>2010</b> , 48, 95-9   | 9     |
| 328 | Ultrasensitive flow-injection electrochemical method for determination of histamine in tuna fish samples. <b>2010</b> , 43, 1116-1122  | 23    |
| 327 | Evaluation of in-line spatial filter velocimetry as PAT monitoring tool for particle growth during fluid bed granulation. <b>2010</b> , 76, 138-46   | 52    |
| 326 | Robustness testing of live attenuated rubella vaccine potency assay using fractional factorial design of experiments. <b>2010</b> , 28, 5497-502   | 5     |
| 325 | Validation of an enzyme-linked immunosorbent assay for detecting sulfonamides in feed resources. <b>2010</b> , 58, 7526-31   | 27    |
| 324 | Development of a liquid chromatography-tandem mass spectrometric method for the simultaneous determination of tropane alkaloids and glycoalkaloids in crops. <b>2011</b> , 28, 1205-19   | 27    |
| 323 | Optimization of a pharmaceutical freeze-dried product and its process using an experimental design approach and innovative process analyzers. <b>2011</b> , 83, 1623-33  | 35    |
| 322 | Fesoterodine stress degradation behavior by liquid chromatography coupled to ultraviolet detection and electrospray ionization mass spectrometry. <b>2011</b> , 84, 1068-79  | 19    |
| 321 | Validation of Method Performance. <b>2011</b> , 117-239  |       |
| 320 | Validation of Analytical Test Methods. <b>2011</b> , 10, 429-457   | 1     |
| 319 | An improved liquid chromatographic method for the analysis of tylosin and its impurities. <i>Journal of Separation Science</i> , <b>2011</b> , 34, 2631-8  | 3-4 9 |
| 318 | Application of Quality by Design Principles for Sample Preparation. <b>2011</b> , 253-281  |       |
| 317 | Validation of an Oil-in-Water Microemulsion Liquid Chromatography Method for Analysis of Perindopril tert-Butylamine and Its Impurities. <i>Journal of AOAC INTERNATIONAL</i> , <b>2011</b> , 94, 723-734  | 1-7 9 |
| 316 | Delapril and manidipine measurements by liquid chromatography-tandem mass spectrometry in a pharmaceutical formulation. <b>2011</b> , 17, 287-96   | 3     |
| 315 | Enantioselective separation and determination of citalopram enantiomers in pharmaceutical dosage form and bulk drug using experimental design approach on Chiralcel <sup>®</sup> OC as a chiral stationary phase. <i>Acta Chromatographica</i> , <b>2011</b> , 23, 389-401 | 1.5 6 |

|     |  |     |     |
|-----|--|-----|-----|
| 314 | Engineering tenofovir loaded chitosan nanoparticles to maximize microbicide mucoadhesion. <b>2011</b> , 44, 57-67  |     | 133 |
| 313 | Sensitive determination of herbicide trifluralin on the surface of copper nanowire electrochemical sensor. <b>2011</b> , 15, 1953-1961   |     | 21  |
| 312 | International Guidelines for Bioanalytical Method Validation: A Comparison and Discussion on Current Scenario. <b>2011</b> , 73, 201-217   |     | 51  |
| 311 | Development and validation of a normal-phase HPTLC method for the simultaneous analysis of lamivudine, stavudine and nevirapine in fixed-dose combination tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 54, 445-50 | 3.5 | 16  |
| 310 | Rational use of stacking principles for signal enhancement in capillary electrophoretic separations of poliovirus samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 55, 135-45   | 3.5 | 9   |
| 309 | Development and validation of a capillary electrophoresis method for the enantiomeric purity determination of RS86017 using experimental design. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 55, 93-100                   | 3.5 | 16  |
| 308 | Application of new methodologies based on design of experiments, independent component analysis and design space for robust optimization in liquid chromatography. <b>2011</b> , 691, 33-42  |     | 68  |
| 307 | Optimization of formulation variables affecting spray-dried oily core nanocapsules by response surface methodology. <b>2011</b> , 100, 1031-44   |     | 8   |
| 306 | LC-MS in analytical toxicology: some practical considerations. <i>Biomedical Chromatography</i> , <b>2011</b> , 25, 100-23   |     | 45  |
| 305 | Ruggedness and robustness of conversion factors in method of simultaneous determination of multi-components with single reference standard. <b>2011</b> , 1218, 5618-27  |     | 100 |
| 304 | Square-wave adsorptive voltammetry of dexamethasone: redox mechanism, kinetic properties, and electroanalytical determinations in multicomponent formulations. <b>2011</b> , 413, 148-56   |     | 21  |
| 303 | Validation of a gas chromatographic method to quantify sesquiterpenes in copaiba oils. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 54, 653-9  | 3.5 | 43  |
| 302 | Stability-indicating LC assay for butenafine hydrochloride in creams using an experimental design for robustness evaluation and photodegradation kinetics study. <b>2011</b> , 49, 512-8   |     | 5   |
| 301 | Validation of a flow cytometry based binding assay for evaluation of monoclonal antibody recognizing EGF receptor. <b>2011</b> , 79, 569-81  |     | 8   |
| 300 | Validation of an HPLC-FL Method for the Determination of Tepoxalin and its Major Metabolite in Horse Plasma. <b>2011</b> , 49, 79-83   |     | 3   |
| 299 | SIMULTANEOUS DETERMINATION OF DELAPRIL AND MANIDIPINE IN A PHARMACEUTICAL FORMULATION BY A STABILITY-INDICATING RP-LC METHOD. <b>2012</b> , 35, 603-620  |     | 3   |
| 298 | Simultaneous estimation of three triterpenoids from <i>Carissa carandas</i> using validated high performance liquid chromatography. <b>2012</b> , 6, 241   |     | 2   |
| 297 | Method development and validation: Skills and tricks. <b>2012</b> , 3, 3   |     | 2   |

|     |   |     |    |
|-----|---|-----|----|
| 296 | Development and Validation of a Stability Indicating LC Method for the Assay and Related Substances Determination of a Proteasome Inhibitor Bortezomib. <b>2012</b> , 2012, 1-13  |     | 4  |
| 295 | Flow Analysers. <b>2012</b> , 147-203   |     | 3  |
| 294 | Orthogonal chromatographic descriptors for modelling Caco-2 drug permeability. <b>2012</b> , 50, 175-83   |     | 5  |
| 293 | Application of Factorial Design and Study of Photodegradation Kinetics for the Determination of Sitagliptin by Capillary Electrophoresis. <i>Current Analytical Chemistry</i> , <b>2012</b> , 8, 116-123  | 1.7 | 5  |
| 292 | Validation of the Stability-Indicating HPLC Method for the Major Flavonoids in Spray-Dried Leaf Extract of <i>Aleurites moluccana</i> L. Willd. <b>2012</b> , 8, 349-359  |     |    |
| 291 | Development of Karl Fischer titration method using quality by design concept. <b>2012</b> , 66, 659-665   |     |    |
| 290 | Micellar electrokinetic chromatographic method for mianserin hydrochloride and analysis of degradation products by mass spectrometry. <b>2012</b> , 60, 1387-94   |     | 2  |
| 289 | HPLC and chemometric methods for the simultaneous determination of miconazole nitrate and nystatin. <b>2012</b> , 50, 855-61  |     | 10 |
| 288 | Quality by design I: Application of failure mode effect analysis (FMEA) and Plackett-Burman design of experiments in the identification of "main factors" in the formulation and process design space for roller-compacted ciprofloxacin hydrochloride immediate-release tablets. <b>2012</b> , 13, 1243-54 |     | 70 |
| 287 | Kinetic spectrophotometric method for determination of amlodipine besylate in its pharmaceutical tablets. <b>2012</b> , 2, 334-341  |     | 7  |
| 286 | An Analytical Method to Determine Selected Nitro-PAHs in Soil Samples by HPLC With Fluorescence Detection. <b>2012</b> , 32, 669-682  |     | 17 |
| 285 | Multi-criteria decision making development of ion chromatographic method for determination of inorganic anions in oilfield waters based on artificial neural networks retention model. <b>2012</b> , 716, 145-54  |     | 2  |
| 284 | Robustness testing of the high throughput HPLC-based analysis of plasma N-glycans. <b>2012</b> , 1820, 1399-404   |     | 6  |
| 283 | Effects of different extraction methods and conditions on the phenolic composition of mate tea extracts. <i>Molecules</i> , <b>2012</b> , 17, 2518-28   | 4.8 | 41 |
| 282 | Stability-indicating RP-HPLC method for analysis of the antibiotic doripenem in pharmaceutical formulation—Comparison to UV spectrophotometry and microbiological assay. <i>Acta Chromatographica</i> , <b>2012</b> , 24, 367-382   | 1.5 | 4  |
| 281 | Analytical Validation of Quantitative High-Performance Liquid Chromatographic Methods in Pharmaceutical Analysis: A Practical Approach. <b>2012</b> , 42, 87-100  |     | 27 |
| 280 | Development and validation of a chemiluminescent ELISA for simultaneous determination of florfenicol and its metabolite florfenicol amine in chicken muscle. <b>2012</b> , 4, 4083  |     | 14 |
| 279 | The Application of Near Infrared Spectroscopy in Wheat Quality Control. <b>2012</b> ,   |     | 2  |

|     |   |     |    |
|-----|---|-----|----|
| 278 | A Validated Chromatographic Method for the Determination of Flavonoids in <i>Copaifera langsdorffii</i> by HPLC. <b>2012</b> , 7, 1934578X1200700   |     | 2  |
| 277 | Spectrophotometric methods for determination of cefdinir in pharmaceutical formulations via derivatization with 1,2-naphthoquinone-4-sulfonate and 4-chloro-7-nitrobenzo-2-oxa-1, 3-diazole. <b>2012</b> , 4, 991-1000  |     | 8  |
| 276 | HPLC-UV analytical method for determination of pizotifen after in vitro transdermal diffusion studies. <i>Biomedical Chromatography</i> , <b>2012</b> , 26, 769-74  | 1.7 | 2  |
| 275 | Demasking large dummy effects approach in revealing important interactions in PlackettBurman experimental design. <b>2012</b> , 26, 518-525   |     | 3  |
| 274 | Avoiding the False Negative Results in LC Method Robustness Testing by Modifications of the Algorithm of Dong and Dummy Factor Effects Approach. <b>2012</b> , 75, 397-401  |     | 4  |
| 273 | Is it really necessary to validate an analytical method or not? That is the question. <b>2012</b> , 1232, 101-9   |     | 87 |
| 272 | Quality by Design: Multidimensional exploration of the design space in high performance liquid chromatography method development for better robustness before validation. <b>2012</b> , 1232, 218-30  |     | 95 |
| 271 | Robustness of the near infrared spectroscopy method determined using univariate and multivariate approach. <i>Food Chemistry</i> , <b>2012</b> , 134, 1699-705  | 8.5 | 7  |
| 270 | Application of design of experiments and design space methodology for the HPLC-UV separation optimization of aporphine alkaloids from leaves of <i>Spirospermum penduliflorum</i> Thouars. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 62, 23-32 | 3.5 | 23 |
| 269 | Chiral recognition of dapoxetine enantiomers with methylated-gamma-cyclodextrin: a validated capillary electrophoresis method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 62, 42-7  | 3.5 | 24 |
| 268 | Chemometrical development and comprehensive validation of a solid phase microextraction/gas chromatography-mass spectrometry methodology for the determination of important free and bound primary aromatics in Greek wines. <b>2013</b> , 1305, 244-58                       |     | 9  |
| 267 | Systematical approach in evaluation of LC method for determination of raloxifene hydrochloride and its impurities employing experimental design. <b>2013</b> , 3, 45-52   |     | 4  |
| 266 | Testing the Robustness of Validated Methods for Quantitative Detection of GMOs Across qPCR Instruments. <b>2013</b> , 6, 343-360  |     | 3  |
| 265 | A comparative study on the analytical performance of a charged aerosol detector and an ultraviolet detector for the RP-LC analysis of dabigatran etexilate in capsules. <b>2013</b> , 5, 4777   |     | 6  |
| 264 | New HPLC method for in vitro dissolution study of antihypertensive mixture amlodipine and perindopril using an experimental design. <b>2013</b> , 11, 717-724   |     |    |
| 263 | RP-HPLC analysis of manool-rich <i>Salvia officinalis</i> extract and its antimicrobial activity against bacteria associated with dental caries. <i>Revista Brasileira De Farmacognosia</i> , <b>2013</b> , 23, 870-876   | 2   | 15 |
| 262 | Evaluation of RP-HPLC Method Intended for the Analysis of Cefuroxime Axetil and ITS Impurities Supported by Experimental Design. <b>2013</b> , 76, 293-298  |     | 1  |
| 261 | Chemometrically assisted optimization and validation of RP-HPLC method for the analysis of itraconazole and its impurities. <b>2013</b> , 63, 159-73  |     | 8  |

|     |   |          |
|-----|---|----------|
| 260 | Electrochemical behaviour and voltammetric determination of rosuvastatin calcium in pharmaceutical preparations using a square-wave voltammetric method. <b>2013</b> , 5, 5709  | 16       |
| 259 | Multi-Level Robustness Evaluation Approach: From Robustness Criterion to Adapted Algorithm of Dong. <b>2013</b> , 76, 267-277   | 1        |
| 258 | Phenolics extraction from sweet potato peels: Key factors screening through a Plackett-Burman design. <b>2013</b> , 43, 99-105  | 17       |
| 257 | Design Spaces for analytical methods. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 42, 157-167  | 14.6 145 |
| 256 | Chemometric-assisted method development in reversed-phase liquid chromatography. <b>2013</b> , 1287, 2-22   | 54       |
| 255 | Use of response surface methodology to optimize the simultaneous separation of eight polycyclic aromatic hydrocarbons by capillary zone electrophoresis with laser-induced fluorescence detection. <b>2013</b> , 1302, 181-90 | 28       |
| 254 | Validation of Liquid Chromatographic Methods. <b>2013</b> , 57-73   |          |
| 253 | Critical factors for the replication of mumps virus in primary chicken embryo fibroblasts defined by the use of design of experiments (DoE). <b>2013</b> , 97, 1533-41  | 2        |
| 252 | New HPLC Method with Experimental Design and Fluorescence Detection for Analytical Study of Antihypertensive Mixture, Amlodipine and Valsartan. <b>2013</b> , 04, 17-23   | 13       |
| 251 | Identification of phenolic compounds in <i>Equisetum giganteum</i> by LC-ESI-MS/MS and a new approach to total flavonoid quantification. <b>2013</b> , 105, 192-203   | 54       |
| 250 | Sequential optimisation of yield and sensory quality of semi-hard cheese manufactured from a mixture of ultrafiltered ewes' and cows' milk. <b>2013</b> , 32, 89-98   | 3        |
| 249 | Multi-residue determination of antibiotics in fish by liquid chromatography-tandem mass spectrometry. <b>2013</b> , 30, 940-8   | 34       |
| 248 | DEVELOPMENT AND VALIDATION OF BIOANALYTICAL METHOD FOR MATRIX EFFECT CONTROLLED ESTIMATION OF SILDENAFIL AND N-DESMETHYL SILDENAFIL IN HUMAN PLASMA USING LC-MS/MS. <b>2013</b> , 150527103729000                             |          |
| 247 | Comparative determination of miconazole, nystatin, hydrocortisone and neomycin by HPTLC/HPLC-DAD. <b>2013</b> , 4, 29-34  | 9        |
| 246 | High-Performance Liquid Chromatographic Ultraviolet Determination of Memantine Hydrochloride after In Vitro Transdermal Diffusion Studies. <b>2013</b> , 2013, 1-7  | 4        |
| 245 | Analytical Procedures: Validation. <b>2013</b> , 97-114   |          |
| 244 | Ruggedness Study on the AASHTO T 336 Coefficient of Thermal Expansion of Concrete Test Method. <b>2013</b> , 2342, 54-60  | 4        |
| 243 | Robustness Testing in HPLC Analysis of Clarithromycin, Norfloxacin, Doxycycline, Tinidazole and Omeprazole in Pharmaceutical Dosage forms Using Experimental Design. <b>2014</b> , 10, 58-70                                  | 6        |

|     |   |     |     |
|-----|---|-----|-----|
| 242 | Application of high-performance thin-layer chromatography for screening and simultaneous determination of some angiotensin II receptor antagonists in dosage forms and plasma. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2014</b> , 27, 192-198 | 0.9 | 6   |
| 241 | Determination of Chloramphenicol in Milk Using a QuEChERS-Based on Liquid Chromatography Tandem Mass Spectrometry Method. <b>2014</b> , 47, 568-578   |     | 22  |
| 240 | Highly selective colorimetric method to determine gemifloxacin mesylate in the presence of a synthetic impurity. <i>Journal of AOAC INTERNATIONAL</i> , <b>2014</b> , 97, 94-8  | 1.7 | 4   |
| 239 | Development and Validation of an Affinity Chromatography-Protein G Method for IgG Quantification. <b>2014</b> , 2014, 487101  |     | 4   |
| 238 | Optimization and validation of an accelerated laboratory extraction method to estimate nitrogen release patterns of slow- and controlled-release fertilizers. <i>Journal of AOAC INTERNATIONAL</i> , <b>2014</b> , 97, 661-76                                   | 1.7 | 5   |
| 237 | Stability-indicating micellar electrokinetic chromatography technique for simultaneous measurement of delapril and manidipine from a combination drug formulation. <i>Journal of AOAC INTERNATIONAL</i> , <b>2014</b> , 97, 114-20                              | 1.7 | 2   |
| 236 | Development of HPLC with Photo-diode Array Method for the Determination of Ramipril in Tablets Using Factorial Design. <b>2014</b> , 61, 1388-1394  |     | 4   |
| 235 | A Stability-Indicating High Performance Liquid Chromatographic Assay for the Simultaneous Determination of Pyridoxine, Ethionamide, and Moxifloxacin in Fixed Dose Combination Tablets. <b>2014</b> , 2014, 1-8   |     | 1   |
| 234 | Ultrafast quantitation of six quinolones in water samples by second-order capillary electrophoresis data modeling with multivariate curve resolution-alternating least squares. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 2571-80      | 4.4 | 30  |
| 233 | Simultaneous estimation of levodopa and carbidopa by RP-HPLC using a fluorescence detector: its application to a pharmaceutical dosage form. <b>2014</b> , 29, 762-71   |     | 13  |
| 232 | Bioanalytical chromatographic method validation according to current regulations, with a special focus on the non-well defined parameters limit of quantification, robustness and matrix effect. <b>2014</b> , 1353, 10-27                                      |     | 143 |
| 231 | Optimization of operation conditions for the startup of aerobic granular sludge reactors biologically removing carbon, nitrogen, and phosphorous. <b>2014</b> , 59, 58-70   |     | 49  |
| 230 | Reliability of simulated robustness testing in fast liquid chromatography, using state-of-the-art column technology, instrumentation and modelling software. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 89, 67-75                 | 3.5 | 31  |
| 229 | Enhanced high-performance liquid chromatography method for the determination of retinoic acid in plasma. Development, optimization and validation. <b>2014</b> , 1353, 40-8   |     | 12  |
| 228 | Determination of vitamin C in foods: current state of method validation. <b>2014</b> , 1369, 2-17   |     | 46  |
| 227 | Ad-hoc blocked design for the robustness study in the determination of dichlobenil and 2,6-dichlorobenzamide in onions by programmed temperature vaporization-gas chromatography-mass spectrometry. <b>2014</b> , 1370, 187-99                                  |     | 3   |
| 226 | Simultaneous analysis of gemifloxacin mesylate and its main synthetic impurity by an optimized capillary zone electrophoretic method. <b>2014</b> , 6, 1657   |     | 4   |
| 225 | Comparative biophysical properties of tenofovir-loaded, thiolated and nonthiolated chitosan nanoparticles intended for HIV prevention. <b>2014</b> , 9, 1595-612  |     | 43  |

|     |  |     |    |
|-----|--|-----|----|
| 224 | Development and validation of a stability-indication LC-UV method for determination of daptomycin injectable form and kinetic study in alkaline medium. <b>2014</b> , 6, 1242-1247   |     | 11 |
| 223 | Improved sensitivity of the nano ultra-high performance liquid chromatography-tandem mass spectrometric analysis of low-concentrated neuropeptides by reducing aspecific adsorption and optimizing the injection solvent. <b>2014</b> , 1360, 217-28 |     | 34 |
| 222 | APPLICATION OF CHEMOMETRIC RESPONSE SURFACE METHODOLOGY IN DEVELOPMENT AND OPTIMIZATION OF A RP-HPLC METHOD FOR THE SEPARATION OF METAXALONE AND ITS BASE HYDROLYTIC IMPURITIES. <b>2014</b> , 37, 2444-2464   |     | 6  |
| 221 | The need for external validation in machine olfaction: emphasis on health-related applications. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 3941-56   | 4.4 | 47 |
| 220 | Method development for simultaneous detection of ferulic acid and vanillin using high-performance thin layer chromatography. <b>2014</b> , 5,  |     | 13 |
| 219 | HPLC-UV analysis of thymidine and deoxyuridine in plasma of patients with thymidine phosphorylase deficiency. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 949-950, 58-62         | 3.2 | 9  |
| 218 | Application of screening experimental designs to assess chromatographic isotope effect upon isotope-coded derivatization for quantitative liquid chromatography-mass spectrometry. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 7033-40           | 7.8 | 23 |
| 217 | Method Design and Understanding. <b>2014</b> , 191-302   |     |    |
| 216 | Determination of carbadox and olaquinox metabolites in swine muscle by liquid chromatography/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 944, 25-9            | 3.2 | 22 |
| 215 | Inter-instrumental method transfer of chiral capillary electrophoretic methods using robustness test information. <b>2014</b> , 1353, 148-59   |     | 6  |
| 214 | Assessment of robustness on analysis using headspace solid-phase microextraction and comprehensive two-dimensional gas chromatography through experimental designs. <b>2014</b> , 129, 303-8   |     | 6  |
| 213 | Spectrodensitometric determination of some pharmaceutical mixtures containing proton pump inhibitors. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2014</b> , 27, 217-228   | 0.9 | 7  |
| 212 | Validation of Analytical Methods Based on Chromatographic Techniques: An Overview. <b>2015</b> , 1757-1808   |     | 31 |
| 211 | Chemometrics in Data Analysis and Liquid Chromatographic Method Development. <b>2015</b> , 279-298   |     | 2  |
| 210 | Determination of Emerging Substances in the Danube and Potential Risk Evaluation. <b>2015</b> , 43, 731-738  |     | 11 |
| 209 | Micellar electrokinetic chromatography with short-end injection for rapid separation and simultaneous determination of aesculin, aesculetin, and phenylephrine in pharmaceutical preparations. <b>2015</b> , 36, 2754-2761                           |     | 3  |
| 208 | Development and validation of an enzyme linked immunosorbent assay for fluoroquinolones in animal feeds. <b>2015</b> , 57, 195-201   |     | 18 |
| 207 | Medically treated exacerbations in COPD by GOLD 1-4: A valid, robust, and seemingly low-biased definition. <b>2015</b> , 109, 1562-8   |     | 22 |



|     |  |     |     |
|-----|--|-----|-----|
| 206 | Ethanol modified supercritical carbon dioxide extraction of antioxidant rich extract from <i>Pereskia bleo</i> . <b>2015</b> , 21, 1314-1322   |     | 27  |
| 205 | Tutorial review on validation of liquid chromatography-mass spectrometry methods: part I. <b>2015</b> , 870, 29-44   |     | 161 |
| 204 | Establishing column batch repeatability according to Quality by Design (QbD) principles using modeling software. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 108, 1-10                              | 3.5 | 14  |
| 203 | Chemometric Approach for RP-HPLC Determination of Azithromycin, Secnidazole, and Fluconazole Using Response Surface Methodology. <b>2015</b> , 38, 750-758   |     | 5   |
| 202 | Development and Validation of Rapid Stability-Indicating RP-HPLC-DAD Method for the Quantification of Lapatinib and Mass Spectrometry Analysis of Degraded Products. <b>2015</b> , 53, 932-9                                     |     | 8   |
| 201 | Surface acoustic wave biosensor as a functional quality method in pharmaceuticals. <b>2015</b> , 210, 103-112  |     | 15  |
| 200 | Validation of RP-HPLC method and stress degradation for the combination of metformin HCl, atorvastatin calcium and glimepiride: application to nanoparticles. <b>2015</b> , 53, 1654-62  |     | 7   |
| 199 | A step towards accreditation: A robustness test of etching process. <b>2015</b> , 102, 93-97   |     | 9   |
| 198 | A capillary electrophoresis method with dynamic pH junction stacking for the monitoring of cerebroside sulfotransferase. <b>2015</b> , 1407, 222-7   |     | 4   |
| 197 | Delapril and Manidipine Main Degradation Products: LC-UV and LC-ESI-MS Evaluations, Decay Kinetic, and in vitro Cytotoxicity Studies. <b>2015</b> , 38, 1333-1342  |     | 3   |
| 196 | Design Space Calculation by In Silico Robustness Simulation with Modeling Error Propagation in QbD Framework of RP-HPLC Method Development. <b>2015</b> , 78, 457-466  |     | 5   |
| 195 | Transfer of chloramphenicol from milk to commercial dairy products [Experimental proof]. <b>2015</b> , 57, 411-418   |     | 18  |
| 194 | Development of a fast high performance liquid chromatographic screening system for eight antidiabetic drugs by an improved methodology of in-silico robustness simulation. <b>2015</b> , 1399, 32-44                             |     | 8   |
| 193 | Quality-by-Design: As Related to Analytical Concepts, Control and Qualification. <b>2015</b> , 479-520   |     | 1   |
| 192 | Development and validation of a single HPLC method for determination of Tocopherol in cell culture and in human or mouse biological samples. <i>Biomedical Chromatography</i> , <b>2015</b> , 29, 843-52                         | 1.7 | 6   |
| 191 | Design of Experiments in Optimization and Validation of a Hydrophilic Interaction Liquid Chromatography Method for Determination of Amlodipine Besylate and Bisoprolol Fumarate. <b>2015</b> , 38, 919-928                       |     | 12  |
| 190 | A versatile, stability-indicating and high-throughput ultra-fast liquid chromatography method for the determination of isoflavone aglycones in soybeans, topical formulations, and permeation assays. <b>2015</b> , 134, 183-193 |     | 23  |
| 189 | Modal approach application and significance analysis inside bounded space in a steady state acoustic field condition. <b>2015</b> , 3, 50-57   |     | 4   |

|     |   |     |  |    |
|-----|---|-----|--|----|
| 188 | Liquid chromatography-tandem mass spectrometry multiclass method for the determination of antibiotics residues in water samples from water supply systems in food-producing animal farms. <b>2015</b> , 119, 8-15   |     |  | 56 |
| 187 | A novel hybrid flow-injection/sequential-injection methodology for the rapid evaluation of the total antioxidant capacity of wines using inhibition of the alkaline luminol/potassium permanganate chemiluminescent reaction. <i>Microchemical Journal</i> , <b>2015</b> , 118, 223-230                   | 4.8 |  | 14 |
| 186 | Total error-based validation including the experimental design-based robustness evaluation of a stability-indicating method for the simultaneous quantification of hydrochlorothiazide and valsartan in tablet formulations. <i>Acta Chromatographica</i> , <b>2015</b> , 27, 195-214                     | 1.5 |  | 2  |
| 185 | Three-dimensional desirability spaces for quality-by-design-based HPLC development. <b>2015</b> , 53, 467-77  |     |  | 2  |
| 184 | Chemometric optimization of the robustness of the near infrared spectroscopic method in wheat quality control. <b>2015</b> , 131, 236-42  |     |  | 5  |
| 183 | Validation of Thin Layer Chromatographic Methods. <b>2015</b> , 351-373   |     |  |    |
| 182 | Chemometrical Evaluation of Metoprolol Tartarate Enantiomers Separation Applying Conventional Achiral Chromatography. <b>2016</b> , 7,  |     |  |    |
| 181 | . <b>2016</b> ,   |     |  | 6  |
| 180 | A REVIEW ON BIOANALYTICAL METHOD DEVELOPMENT AND VALIDATION. <b>2016</b> , 9, 6   |     |  | 8  |
| 179 | Development and Validation of a Rapid RP-HPLC-DAD Analysis Method for the Simultaneous Quantitation of Paclitaxel and Lapatinib in a Polymeric Micelle Formulation. <b>2016</b> , 84, 333-45  |     |  | 6  |
| 178 | Ultra-high performance liquid chromatographic determination of levofloxacin in human plasma and prostate tissue with use of experimental design optimization procedures. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1029-1030, 48-59 | 3.2 |  | 30 |
| 177 | Development and validation of a cyclodextrin-modified capillary electrophoresis method for the enantiomeric separation of vildagliptin enantiomers. <b>2016</b> , 37, 1318-25   |     |  | 20 |
| 176 | Validated high-performance thin-layer chromatographic (HPTLC) method for simultaneous determination of nadifloxacin, mometasone furoate, and miconazole nitrate cream using fractional factorial design. <b>2016</b> , 24, 610-619  |     |  | 25 |
| 175 | The use of chemometrics to study multifunctional indole alkaloids from <i>Psychotria nemorosa</i> (Palicourea comb. nov.). Part I: Extraction and fractionation optimization based on metabolic profiling. <b>2016</b> , 1463, 60-70  |     |  | 14 |
| 174 | Vanadium isotope ratio measurements in fruit-bodies of <i>Amanita muscaria</i> . <b>2016</b> , 8, 5921-5929   |     |  | 11 |
| 173 | Calibration of Mo isotope amount ratio measurements by MC-ICPMS using normalisation to an internal standard and improved experimental design. <b>2016</b> , 31, 1978-1988   |     |  | 18 |
| 172 | Validation of analytical procedures using HPLC-ELSD to determine six sesquiterpene lactones in <i>Eremanthus</i> species. <i>Biomedical Chromatography</i> , <b>2016</b> , 30, 484-93   | 1.7 |  | 3  |
| 171 | Computer assisted liquid chromatographic method development for the separation of therapeutic proteins. <b>2016</b> , 141, 5488-501   |     |  | 17 |

|     |   |     |    |
|-----|---|-----|----|
| 170 | A new flow-injection chromatography method exploiting linear-gradient elution for fast quantitative screening of parabens in cosmetics. <b>2016</b> , 8, 8337-8344  |     | 3  |
| 169 | Robustness and Ruggedness. <b>2016</b> , 213-234  |     | 1  |
| 168 | Simple and validated UHPLC-MS/MS analysis of nimodipine in plasma and cerebrospinal fluid of patients with subarachnoid haemorrhage. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1028, 94-99  | 3.2 | 6  |
| 167 | Validated Stability-Indicating RP-HPLC Method for Simultaneous Determination of Clorsulon and Ivermectin Employing Plackett-Burman Experimental Design for Robustness Testing. <i>Journal of AOAC INTERNATIONAL</i> , <b>2016</b> , 99, 571-8   | 1.7 | 11 |
| 166 | Validated UHPLC-MS/MS method for the simultaneous determination of pramipexole and ropinirole in plasma of patients with Parkinson's disease. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1017-1018, 114-119                                  | 3.2 | 6  |
| 165 | A bioanalytical HPLC method for coumestrol quantification in skin permeation tests followed by UPLC-QTOF/HDMS stability-indicating method for identification of degradation products. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1020, 43-52 | 3.2 | 8  |
| 164 | Determination of benzophenones in lipophilic extract of Brazilian red propolis, nanotechnology-based product and porcine skin and mucosa: Analytical and bioanalytical assays. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 124, 57-66  | 3.5 | 10 |
| 163 | Robustness testing in the determination of seven drugs in animal muscle by liquid chromatography-tandem mass spectrometry. <b>2016</b> , 151, 172-180   |     | 3  |
| 162 | Overview of Drug Development and Statistical Tools for Manufacturing and Testing. <b>2016</b> , 383-414   |     | 3  |
| 161 | Imprinted polymer grafted from silica particles for on-line trace enrichment and ICP OES determination of uranyl ion. <i>Microchemical Journal</i> , <b>2016</b> , 126, 316-321   | 4.8 | 16 |
| 160 | Fast and simultaneous determination of endocrine disrupting compounds by ultra-high performance liquid chromatography-tandem mass spectrometry. <b>2016</b> , 146, 326-34   |     | 27 |
| 159 | Quality by Design Determination of Diclofenac Potassium and its Impurities by High-Performance Liquid Chromatography. <b>2016</b> , 49, 445-457   |     | 7  |
| 158 | Development, validation and comparison of two stability-indicating RP-LC methods using charged aerosol and UV detectors for analysis of lisdexamfetamine dimesylate in capsules. <b>2016</b> , 9, S1905-S1914   |     | 7  |
| 157 | LC-method development for the quantification of neuromedin-like peptides. Emphasis on column choice and mobile phase composition. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 137, 1043-1052   | 3.5 | 4  |
| 156 | Rapid Determination of Anthracene and Benzo(a)pyrene by High-Performance Liquid Chromatography with Fluorescence Detection. <b>2017</b> , 50, 1229-1247   |     | 9  |
| 155 | Quantification and Determination of Composition of Steryl Ferulates in Refined Rice Bran Oils Using an UPLC-MS Method. <b>2017</b> , 94, 375-385  |     | 4  |
| 154 | Establishment and validation of a microfluidic capillary gel electrophoresis platform method for purity analysis of therapeutic monoclonal antibodies. <b>2017</b> , 38, 1353-1365  |     | 26 |
| 153 | Start of the Implementation of a New HPLC Method. <b>2017</b> , 1-29  |     | 1  |

|     |  |     |     |
|-----|--|-----|-----|
| 152 | HPLC-DAD Method for Simultaneous Determination of Dipyrone (Metamizole) and Caffeine in Tablets and Identification of Major Degradation Product by Direct Infusion ESIMS. <b>2017</b> , 80, 489-495  |     | 3   |
| 151 | Novel UHPLC-MS/MS method for the determination of rotigotine in the plasma of patients with Parkinson's disease. <i>Biomedical Chromatography</i> , <b>2017</b> , 31, e3944  | 1.7 | 6   |
| 150 | Analysis of trace microcystins in vegetables using matrix solid-phase dispersion followed by high performance liquid chromatography triple-quadrupole mass spectrometry detection. <b>2017</b> , 173, 101-106  |     | 46  |
| 149 | Efficient Method Development and Validation for the Determination of Cardiovascular Drugs in Human Plasma by SPE-HPLC-DAD. <b>2017</b> , 80, 605-615   |     | 5   |
| 148 | Robustness evaluation in analytical methods optimized using experimental designs. <i>Microchemical Journal</i> , <b>2017</b> , 131, 163-169  | 4.8 | 61  |
| 147 | Q2(R1) Validation of Analytical Procedures. <b>2017</b> , 127-166  |     | 121 |
| 146 | Robustness testing of an in-situ caesium extraction unit. <b>2017</b> , 178-179, 426-429   |     | 4   |
| 145 | Design of experiments in liquid chromatography (HPLC) analysis of pharmaceuticals: analytics, applications, implications and future prospects. <b>2017</b> , 36,   |     | 9   |
| 144 | Validation of liquid chromatographic methods. <b>2017</b> , 533-552  |     |     |
| 143 | Robust HPLC-MS/MS method for levofloxacin and ciprofloxacin determination in human prostate tissue. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 132, 173-183  | 3.5 | 29  |
| 142 | Spectrophotometric assay of creatinine in human serum sample. <b>2017</b> , 10, S2018-S2024  |     | 13  |
| 141 | Definition of System Suitability Test Limits on the Basis of Robustness Test Results. <b>2017</b> , 08,  |     | 3   |
| 140 | Stability Study of Finasteride: Stability-Indicating LC Method, In Silico and LC-ESI-MS Analysis of Major Degradation Product, and an In Vitro Biological Safety Study. <b>2018</b> , 56, 531-540  |     |     |
| 139 | Novel LC-MS/MS method for the quantification of silodosin and its metabolites in human plasma. <b>2018</b> , 10, 7-10  |     | 0   |
| 138 | Development of an Analytical Procedure for the Determination of Multiclass Compounds for Forensic Veterinary Toxicology. <b>2018</b> , 42, 183-191   |     | 12  |
| 137 | A novel, simplified and stability-indicating high-throughput ultra-fast liquid chromatography method for the determination of rosmarinic acid in nanoemulsions, porcine skin and nasal mucosa. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , | 3.2 | 12  |
| 136 | An effervescence-assisted switchable fatty acid-based microextraction with solidification of floating organic droplet for determination of fluoroquinolones and tetracyclines in seawater, sediment, and seafood. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 2671-2687                 | 4.4 | 35  |
| 135 | An overview of experimental designs in HPLC method development and validation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 147, 590-611   | 3.5 | 147 |

|     |  |     |    |
|-----|--|-----|----|
| 134 | Comparative Study of Reversed-Phase High-Performance Liquid Chromatography and Ultraviolet-Visible Spectrophotometry to Determine Doxorubicin in pH-Sensitive Nanoparticles. <b>2018</b> , 51, 1445-1463   |     | 7  |
| 133 | Biotransformation of (-)-cubebin by spp. into (-)-hinokinin and (-)-parabenzlactone, and their evaluation against oral pathogenic bacteria. <b>2018</b> , 32, 2803-2816  |     | 6  |
| 132 | Interinstrumental Transfer of a Chiral Capillary Electrophoretic Method: The Use of Robustness Test Information to Overcome Differences in Detector and Data-Handling Specifications. <b>2018</b> , 81, 335-348  |     | 4  |
| 131 | Sample preparation for large-scale bioanalytical studies based on liquid chromatographic techniques. <i>Biomedical Chromatography</i> , <b>2018</b> , 32, e4137  | 1.7 | 23 |
| 130 | Evaluation of a Biologic Formulation Using Customized Design of Experiment and Novel Multidimensional Robustness Diagrams. <b>2018</b> , 107, 797-806  |     | 3  |
| 129 | HPLC-APCI-MS/MS method development and validation for determination of tocotrienols in human breast adipose tissue. <b>2018</b> , 176, 108-115   |     | 8  |
| 128 | Stability and degradation products of imipenem applying high-resolution mass spectrometry: An analytical study focused on solutions for infusion. <i>Biomedical Chromatography</i> , <b>2019</b> , 33, e4471   | 1.7 | 2  |
| 127 | A Model Approach for Developing Stability-Indicating Analytical Methods. <b>2018</b> , 99-121  |     | 2  |
| 126 | Simple and rapid validated HPLC-fluorescence determination of perampanel in the plasma of patients with epilepsy. <b>2018</b> , 10, 15-20  |     | 11 |
| 125 | Simultaneous determination of aminoglycosides and colistins in food. <i>Food Chemistry</i> , <b>2018</b> , 266, 9-16   | 8.5 | 19 |
| 124 | Application of an experimental design to optimize a segregation method of 129I and 14C. <b>2018</b> , 317, 787-799   |     | 1  |
| 123 | Green techniques in comparison to conventional ones in the extraction of Amaryllidaceae alkaloids: Best solvents selection and parameters optimization. <b>2018</b> , 1567, 99-110   |     | 32 |
| 122 | Ruggedness testing of an analytical method for pesticide residues in potato. <b>2018</b> , 23, 303-316   |     | 3  |
| 121 | Simple and Efficient Solution for Robustness Testing in Gradient Elution Liquid Chromatographic Methods. <b>2018</b> , 81, 1135-1145   |     | 3  |
| 120 | A Set of Conventional and Multiplex Real-Time PCR Assays for Direct Detection of <i>Elsinoë fawcettii</i> , <i>E. australis</i> , and <i>Pseudocercospora angolensis</i> in Citrus Fruits. <b>2019</b> , 103, 345-356  |     | 5  |
| 119 | Comparative study of different chemistries and particle properties, high-performance liquid chromatography stationary phases in separation of escitalopram oxalate and its impurities in different pharmaceutical dosage forms. <b>2019</b> , 2, 268-283   |     | 2  |
| 118 | Development and validation of an analytical method for the determination of 17 $\beta$ -estradiol residues in muscle of tambaqui ( <i>Colossoma macropomum</i> Cuvier, 1818) by LC-MS/MS and its application in samples from a fish sexual reversion study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2019</b> , 1128, 121774 | 3.2 | 0  |
| 117 | Assessment of material and process attributes' influence on tablet quality using a QbD and DEM combined approach. <b>2019</b> , 345, 390-404   |     | 14 |

|     |   |     |    |
|-----|---|-----|----|
| 116 | High-Performance Liquid Chromatography for Analysis of Herbal Drugs. <b>2019</b> , 421-458  |     | 3  |
| 115 | Quality by Design oriented development of hydrophilic interaction liquid chromatography method for the analysis of amitriptyline and its impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 173, 86-95                            | 3.5 | 9  |
| 114 | HPLC-UV method for temozolomide determination in complex biological matrices: Application for in vitro, ex vivo and in vivo studies. <i>Biomedical Chromatography</i> , <b>2019</b> , 33, e4615   | 1.7 | 3  |
| 113 | A multiphysics model for analysis of droplet formation in electrohydrodynamic 3D printing process. <b>2019</b> , 135, 72-85   |     | 18 |
| 112 | A Simple and Accurate Method for the Determination of Related Substances in Coenzyme Q10 Soft Capsules. <i>Molecules</i> , <b>2019</b> , 24,  | 4.8 | 3  |
| 111 | Optimization and method validation of determining polyphenolic compounds by UFLC-DAD system using two biphenyl and pentafluorophenylpropyl columns. <b>2019</b> , 42, 351-357   |     | 7  |
| 110 | A linear gradient sequential injection chromatography method exploiting programmable fluidics for the determination of three methylxanthines. <b>2019</b> , 202, 514-519  |     | 2  |
| 109 | Study of Oxyclozanide's Innate Stability Coupled with the Assessment of its Aquatic Photo-Transformation Using a Validated Isocratic HPLC Method. <i>Journal of AOAC INTERNATIONAL</i> , <b>2019</b> , 102, 480-489   | 1.7 | 2  |
| 108 | A Novel UV-Spectrophotometric Method for Simultaneous Estimation of Amlodipine and Captopril. <b>2019</b> , 52, 952-958   |     | 2  |
| 107 | Development Method for Determination of Aspirin as Sodium Salicylate by UV-VIS Spectroscopy. <b>2019</b> , 571, 012104  |     | 3  |
| 106 | Stability Indicating HPLC-ECD Method for the Analysis of Clarithromycin in Pharmaceutical Dosage Forms: Method Scaling versus Re-Validation. <b>2019</b> , 87, 31   |     | 2  |
| 105 | The Statistical Defensibility of Forensic Proteomics. <b>2019</b> , 203-228   |     | 1  |
| 104 | Parametric process optimization to improve the accuracy and mechanical properties of 3D printed parts. <b>2019</b> , 4, 1383-1392   |     |    |
| 103 | Determination of residual poly diallyldimethylammonium chloride (pDADMAC) in monoclonal antibody formulations by size exclusion chromatography and evaporative light scattering detector. <b>2019</b> , 57, 21-28   |     | 1  |
| 102 | Rapid and sensitive capillary electrophoresis method for the analysis of Ecstasy in an oral fluid. <b>2019</b> , 197, 390-396   |     | 9  |
| 101 | Use of spinning band distillation equipment for fractionation of volatile compounds of Copaifera oleoresins for developing a validated gas chromatographic method and evaluating antimicrobial activity. <i>Biomedical Chromatography</i> , <b>2019</b> , 33, e4412 | 1.7 | 8  |
| 100 | Tolerance intervals modeling for design space of a salt assisted liquid-liquid microextraction of trimethoprim and six common sulfonamide antibiotics in environmental water samples. <b>2019</b> , 1586, 18-29   |     | 10 |
| 99  | Validation of bioanalytical chromatographic methods for the quantification of drugs in biological fluids. <b>2020</b> , 115-134   |     | 3  |

|    |  |      |  |    |
|----|--|------|--|----|
| 98 | Reliable Methods for Analyses of Volatile Compounds of Copaifera Oleoresins Combining Headspace and Gas Chromatography. <b>2020</b> , 17, e1900440   |      |  | 3  |
| 97 | A new potential anti-cancer beta-carboline derivative decreases the expression levels of key proteins involved in glioma aggressiveness: A proteomic investigation. <b>2020</b> , 81, 32-42  |      |  | 4  |
| 96 | Development and Validation of Two Robust Stability-Indicating Chromatographic Methods for Determination of Metolazone in Drug Substance and Pharmaceutical Dosage Form in the Presence of Its Degradation Products and Characterization of Main Degradation Products Based on LC-MS. <b>2020</b> , 58, 251-261 |      |  | 2  |
| 95 | Design of Experimental Approach to Analytical Robustness Study for UHPLC Method Developed for Separation and Quantification of Spironolactone and its Impurities in Drug Substances. <b>2020</b> , 32, 219-227   |      |  | 1  |
| 94 | Development and validation of volumetric absorptive microsampling coupled with UHPLC-MS/MS for the analysis of gamma-hydroxybutyric acid in human blood. <i>Biomedical Chromatography</i> , <b>2020</b> , 34, e4781  | 1.7  |  | 3  |
| 93 | Comparison of LC-MS/MS and Enzymatic Methods for the Determination of Total Choline and Total Carnitine in Infant Formula and Milk Products. <i>Journal of AOAC INTERNATIONAL</i> , <b>2020</b> , 103, 1293-1300   | 1.7  |  | 0  |
| 92 | Novel Credal Decision Tree-Based Ensemble Approaches for Predicting the Landslide Susceptibility. <b>2020</b> , 12, 3389   |      |  | 25 |
| 91 | Forced degradation studies and stability-indicating liquid chromatography method for determination of tirofiban hydrochloride and synthetic impurities. <b>2020</b> , 49,  |      |  |    |
| 90 | Validation of a methodology by LC-MS/MS for the determination of triazine, triazole and organophosphate pesticide residues in biopurification systems. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2020</b> , 1156, 122296                            | 3.2  |  | 8  |
| 89 | UPLC-ESI/Q-TOF MS/MS Method for Determination of Vildagliptin and its Organic Impurities. <b>2020</b> , 58, 718-725  |      |  | 6  |
| 88 | New multiplex conventional PCR and quadruplex real-time PCR assays for one-tube detection of <i>Phyllosticta citricarpa</i> , <i>Elsinoë fawcettii</i> , <i>Elsinoë australis</i> , and <i>Pseudocercospora angolensis</i> in Citrus: development and validation. <b>2020</b> , 104, 9363-9385                 |      |  | 0  |
| 87 | Development and Validation of an UHPLC-MS/MS Assay for the Therapeutic Monitoring of Brivaracetam Plasma Concentrations in Patients with Epilepsy. <b>2020</b> , 42, 445-451   |      |  | 2  |
| 86 | Separation of RRR- $\alpha$ -Tocopherol by Chiral Chromatography. <i>Journal of AOAC INTERNATIONAL</i> , <b>2020</b> , 103, 1288-1292  | 1.7  |  | 2  |
| 85 | System Suitability Requirements for Liquid Chromatography Methods: Controlled Parameters and their Recommended Values (Review). <b>2020</b> , 54, 518-525  |      |  | 1  |
| 84 | Performance parameters for analytical method validation: Controversies and discrepancies among numerous guidelines. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 129, 115913   | 14.6 |  | 31 |
| 83 | A stability-indicating ultra-fast liquid chromatography method for the assay of the main flavonoids of <i>Achyrocline satureioides</i> (Marcela) in porcine skin layers and nanoemulsions. <i>Phytochemical Analysis</i> , <b>2020</b> , 31, 905-914   | 3.4  |  | 1  |
| 82 | Experimental design-based optimization strategies for chromatographic and capillary electrophoretic separations. <b>2020</b> , 197-275   |      |  | 0  |
| 81 | Feeding deterrence towards <i>Helicoverpa armigera</i> by <i>Tithonia diversifolia</i> tagitinin C-enriched extract. <b>2020</b> , 13, 5292-5298   |      |  | 3  |

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|----|---|-----|----|
| 80 | Fast and reliable molecular methods to detect fungal pathogens in woody plants. <b>2020</b> , 104, 2453-2468  |     | 35 |
| 79 | Bilastine: Quantitative Determination by LC with Fluorescence Detection and Structural Elucidation of the Degradation Products Using HRMS. <i>Journal of AOAC INTERNATIONAL</i> , <b>2020</b> , 103, 1451-1460  | 1.7 | 3  |
| 78 | Application of Design Space, Uncertainty, and Risk Profile Strategies to the Development and Validation of UPLC Method for the Characterization of Four Authorized Phosphodiesterase Type 5 Inhibitors to Combat Counterfeit Drugs. <i>Journal of AOAC INTERNATIONAL</i> , <b>2020</b> , 103, 715-724 | 1.7 | 3  |
| 77 | A validated RP-HPLC method for determination of nitroxinil and investigation of its intrinsic stability. <b>2021</b> , 18, 351-361  |     | 1  |
| 76 | Toxicological analyses: analytical method validation for prevention or diagnosis. <b>2021</b> , 31, 18-32   |     | 0  |
| 75 | Application of prediction intervals to the interpretation of analytical methods robustness studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 193, 113706  | 3.5 | 1  |
| 74 | A green and sustainable method for monitoring the chemical composition of soybean: an alternative for quality control. <i>Phytochemical Analysis</i> , <b>2021</b> , 32, 562-574  | 3.4 | 2  |
| 73 | Experimental design in HPLC separation of pharmaceuticals. <i>Arhiv Za Farmaciju</i> , <b>2021</b> , 71, 279-301  | 0.2 | 1  |
| 72 | Analytical Study of the Antifungal Posaconazole in Raw Material: Quantitative Bioassay, Decomposition Chemical Kinetics, and Degradation Impurities by LC-QTOF-MS. <i>Journal of AOAC INTERNATIONAL</i> , <b>2021</b> , 104, 1055-1064  | 1.7 |    |
| 71 | Experimentally designed chromatographic method for the simultaneous analysis of dimenhydrinate, cinnarizine and their toxic impurities.. <i>RSC Advances</i> , <b>2021</b> , 11, 1450-1460  | 3.7 | 5  |
| 70 | Determination of glyphosate, glufosinate and their major metabolites in urine by the UPLC-MS/MS method applicable to biomonitoring and epidemiological studies. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 2225-2234  | 4.4 | 2  |
| 69 | Reverse phase-liquid chromatography assisted protocol for simultaneous determination of lamivudine and tenofovir disoproxil fumarate in combined medication used to control HIV infection: an investigative approach. <i>Future Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 7,             | 2.1 |    |
| 68 | Phenolic profiles of raw mono- and polyfloral honeys from Latvia. <i>Journal of Food Composition and Analysis</i> , <b>2021</b> , 98, 103813  | 4.1 | 8  |
| 67 | Development and Validation of an HPLC Method Using an Experimental Design for Analysis of Amlodipine Besylate and Enalapril Maleate in a Fixed-dose Combination. <i>Turkish Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 18, 306-318  | 1.1 | 2  |
| 66 | Experimental Design and Response Surface Methodology Applied to Graphene Oxide Reduction for Adsorption of Triazine Herbicides. <i>ACS Omega</i> , <b>2021</b> , 6, 16943-16954   | 3.9 | 7  |
| 65 | Analytical Parameters of a Novel Glucose Biosensor Based on Grafted PFM as a Covalent Immobilization Technique. <i>Sensors</i> , <b>2021</b> , 21,  | 3.8 | 4  |
| 64 | Isolation of diterpenes from 'Araucaria' sp 'Brazilian brown propolis' and development of a validated high-performance liquid chromatography method for its analysis. <i>Journal of Separation Science</i> , <b>2021</b> , 44, 3089-3097  | 3.4 | 2  |
| 63 | A Robust Method for Sample Preparation of Gastrointestinal Stromal Tumour for LC/MS Untargeted Metabolomics. <i>Metabolites</i> , <b>2021</b> , 11,   | 5.6 | 1  |



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|----|--|-----|----|
| 62 | An Eco-Friendly Solid-State Electrode Modified With ZnO Nanoparticles Decorated With MWCNT as an Electrochemical Sensor for the Determination of Avanafil in Pure Form, Dosage Form and Human Plasma. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 087510        | 3.9 | 1  |
| 61 | Peak shape enhancement using diethylamine in hydrophilic liquid interaction chromatography: Application in simultaneous determination of methionine and paracetamol. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 203, 114214                              | 3.5 |    |
| 60 | A Validated RP-HPLC Method for the Determination of Butamirate Citrate and Benzoic Acid in Syrup, Based on an Experimental Design Assessment of Robustness. <i>Separations</i> , <b>2021</b> , 8, 163  | 3.1 | 2  |
| 59 | Design of Experiments for Optimization of Polyoxometalate Syntheses. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 7263-7271   | 9.6 | 1  |
| 58 | Mathematical Modeling for HPLC Separation and Quantification of an Anti-Hypertensive Combination by Response Surface Methodology. <i>Journal of AOAC INTERNATIONAL</i> , <b>2021</b> ,   | 1.7 |    |
| 57 | Multi-criteria decision analysis methods for energy sector's sustainability assessment: Robustness analysis through criteria weight change. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 47, 101380  | 4.7 | 7  |
| 56 | Comparison of ultraviolet and refractive index detections in the HPLC analysis of sugars. <i>Food Chemistry</i> , <b>2021</b> , 365, 130514  | 8.5 | 11 |
| 55 | Perspective: What constitutes a quality paper in drug analysis?. <i>Talanta Open</i> , <b>2021</b> , 4, 100054   | 5.6 | 0  |
| 54 | Rapid and Sensitive Liquid Chromatographic Method for Determination of Anastrozole in Different Polymer-Lipid Hybrid Nanoparticles. <i>SLAS Technology</i> , <b>2021</b> , 26, 384-391   | 3   | 0  |
| 53 | How Can Chemometrics Support the Development of Point of Need Devices?. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 2713-2722  | 7.8 | 13 |
| 52 | Evolution of the Quality Concept in Analytical Laboratories. 1-54  |     | 3  |
| 51 | Analytical Aspects of High Performance Thin Layer Chromatography. <b>2011</b> , 179-201  |     | 2  |
| 50 | Determination of Coumarins from <i>Pterocaulon balansae</i> by an Ultra-Fast Liquid Chromatography Method in Topical Applications. <i>Revista Brasileira De Farmacognosia</i> , <b>2020</b> , 30, 765-773  | 2   | 1  |
| 49 | Estimation of measurement uncertainty for the quantitative analysis of pharmaceutical residues in river water using solid-phase extraction coupled with injector port silylation-gas chromatography-tandem mass spectrometry. <i>Microchemical Journal</i> , <b>2020</b> , 159, 105560 | 4.8 | 5  |
| 48 | Quality by Design Approach (QbD) for the Simultaneous Determination of Anti-Hypertensive Drugs (Candesartan, Irbesartan and Hydrochlorothiazide) by RP-HPLC. <i>Journal of Analytical &amp; Pharmaceutical Research</i> , <b>2017</b> , 4,   | 0.4 | 1  |
| 47 | Simultaneous Determination of Three 5-HT <sub>3</sub> Receptor Antagonists Accompanied by Stability Study Using Thin-Layer Chromatography Densitometry. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2019</b> , 32, 285-294   | 0.9 | 1  |
| 46 | Assessment of liquid chromatographic method robustness by use of Plackett-Burman design. <i>Acta Chromatographica</i> , <b>2010</b> , 22, 281-296  | 1.5 | 10 |
| 45 | Chiral discrimination of amlodipine from pharmaceutical products using capillary electrophoresis. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 56,  | 1.8 | 3  |

|    |   |      |    |
|----|---|------|----|
| 44 | A Friendly Environmental CE Method to Determine Doxycycline Hyclate in Suppositories and Application to Tablet Assay. <i>Current Analytical Chemistry</i> , <b>2019</b> , 15, 531-539   | 1.7  | 1  |
| 43 | A novel method for fast determination of vitamin B6 by fast continuous cyclic voltammetry. <b>2010</b> , 44, 158  |      |    |
| 42 | Degradation Kinetics of Olopatadine HCL Using a Validated UV-Area under Curve Method. <i>Journal of Analytical &amp; Pharmaceutical Research</i> , <b>2016</b> , 2,   | 0.4  |    |
| 41 | HPTLC Fingerprint in Herbal Drug Formulations. <b>2020</b> , 337-362  |      | 2  |
| 40 | Central Composite Design for Validation of HPTLC Method for Simultaneous Estimation of Olmesartan Medoxomil, Amlodipine Besylate and Hydrochlorothiazide in Tablets. <i>Indian Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 76, 179-87              | 1.5  | 18 |
| 39 | Supercritical fluid chromatography for pharmaceutical quality control: Current challenges and perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 146, 116486  | 14.6 | 4  |
| 38 | Optimization of Ascorbic Acid Extraction from Rugosa Rose ( <i>Rosa rugosa</i> Thunb.) Fruit Using Response Surface Methodology and Validation of the Analytical Method. <i>Journal of the Korean Wood Science and Technology</i> , <b>2020</b> , 48, 364-375 | 2    | 0  |
| 37 | HPLC-PDA Identification and Resolution of Rufinamide Forced Degradation Impurities: A Congregated Chemometric Expedite Optimization Coupled with Factorials & Desirability.. <i>Biomedical Chromatography</i> , <b>2022</b> , e5345                           | 1.7  | 1  |
| 36 | Stability Indicating RP-HPLC Method Development And Validation For The Simultaneous And Rapid Estimation Of Rosuvastatin And Fenofibrate In Pharmaceutical Dosage Form. <i>International Journal of Pharma and Bio Sciences</i> , <b>2022</b> , 13, 23-36     | 1.2  |    |
| 35 | Analytical Quality by Design, Life Cycle Management, and Method Control.. <i>AAPS Journal</i> , <b>2022</b> , 24, 34  | 3.7  | 1  |
| 34 | Method Development for Determining Ion in the Netamode Caenorhabditis Elegans by Ion Chromatography. <i>SSRN Electronic Journal</i> ,   | 1    |    |
| 33 | Development and Validation of a Novel RP-HPLC Method for the Determination of Cefrimide and Chlorhexidine Gluconate in Antiseptic Solution. <i>Analytical Journal of Analytical Chemistry and Chemical Analysis</i> , <b>2022</b> , 3, 79-91                  | 1.4  | 1  |
| 32 | STABILITY INDICATING HPTLC METHOD FOR ESTIMATION OF BUDESONIDE AND FORMOTEROL FUMARATE DIHYDRATE IN PHARMACEUTICAL FORMULATION. <i>Indian Drugs</i> , <b>2022</b> , 58, 44-53   | 0.2  |    |
| 31 | Optimization and Validation in Liquid Chromatography Using Design of Experiments. <i>Chemistry Africa</i> , 1   | 2.2  | 0  |
| 30 | Development of Improved High-Performance Liquid Chromatography Method for the Determination of Residual Caprylic Acid in Formulations of Human Immunoglobulins.. <i>Molecules</i> , <b>2022</b> , 27,   | 4.8  | 0  |
| 29 | Best-performing Bacillus strains for microbiologically induced CaCO <sub>3</sub> precipitation: Screening of relative influence of operational and environmental factors.. <i>Journal of Biotechnology</i> , <b>2022</b> , 350, 31-41                         | 3.7  | 0  |
| 28 | Review of the Use of Liquid Chromatography-Tandem Mass Spectrometry in Clinical Laboratories: Part II-Operations.. <i>Annals of Laboratory Medicine</i> , <b>2022</b> , 42, 531-557   | 3.1  | 2  |
| 27 | Quality by design approach for green HPLC method development for simultaneous analysis of two thalassemia drugs in biological fluid with pharmacokinetic study.. <i>RSC Advances</i> , <b>2022</b> , 12, 13896-13916  | 3.7  | 1  |

|    |  |     |   |
|----|--|-----|---|
| 26 | Gellan gum-based in situ gelling ophthalmic nanosuspension of Posaconazole.. <i>Drug Delivery and Translational Research</i> , <b>2022</b> ,   | 6.2 | 2 |
| 25 | Determination of ions in <i>Caenorhabditis elegans</i> by ion chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2022</b> , 123312   | 3.2 | 1 |
| 24 | Determination of polybrominated diphenyl ethers in shrimp and animal origin oils in Medellín, Colombia. <i>International Journal of Environmental Analytical Chemistry</i> , 1-15  | 1.8 |   |
| 23 | Application of Prediction Intervals to the Interpretation of the Robustness Study of a UHPLC Method for the Separation of Cannabinoids. <i>SSRN Electronic Journal</i> ,   | 1   |   |
| 22 | Tadalafil and Sildenafil illicit association: Stability- indicating HPLC method, photodegradation kinetic and toxicological studies. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 58,   | 1.8 | 0 |
| 21 | Construction and application of highly sensitive spinel nanocrystalline zinc chromite decorated multiwalled carbon nanotube modified carbon paste electrode (ZnCr <sub>2</sub> O <sub>4</sub> @MWCNTs/CPE) for electrochemical determination of alogliptin benzoate in bulk and its dosage form: green chemistry | 3.7 |   |
| 20 | A Review on Bioanalytical Method Development and Validation by Liquid Chromatography Tandem Mass Spectrometry. <i>International Journal of Scientific Research and Management</i> , <b>2022</b> , 10, 605-616  | 1.9 |   |
| 19 | Versatile eco-friendly electrochemical sensor based on chromium-doped zinc oxide nanoparticles for determination of safinamide aided by green assessment criteria. <b>2022</b> , 107900  |     | 0 |
| 18 | Development and Validation of a Novel HPLC Method for the Determination of Ephedrine Hydrochloride in Nasal Ointment. <b>2022</b> , 9, 198   |     | 1 |
| 17 | Application of prediction intervals to the interpretation of the robustness study of a UHPLC method for the separation of cannabinoids. <b>2022</b> , 220, 114977  |     |   |
| 16 | SEPARATION AND IDENTIFICATION OF FORCED DEGRADATION PRODUCTS OF LOFEXIDINE BY USING LC-MS/MS. 210-222  |     | 0 |
| 15 | In Vitro Permeation Studies on Carvedilol Containing Dissolving Microarray Patches Quantified Using a Rapid and Simple HPLC-UV Analytical Method. <b>2022</b> , 23,  |     | 0 |
| 14 | DEVELOPMENT AND VALIDATION OF NOVEL RP-HPLC-DAD METHOD FOR QUANTIFICATION OF LAPATINIB DITOSYLATE IN NEWER NANO-LIPOSOME FORMULATION: A QUALITY BY DESIGN (QBD) APPROACH. 239-250  |     | 0 |
| 13 | Dissolution Assay of Bupropion/Naltrexone Hydrochloride Salts of Bilayer Composition Tablets Following the Development and Validation of a Novel HPLC Method. <b>2022</b> , 15, 8451   |     | 0 |
| 12 | Method Development, Optimization, and Validation of the Separation of Ketamine Enantiomers by Capillary Electrophoresis Using Design of Experiments.   |     | 0 |
| 11 | Analytical Quality by Design oriented development of the UPLC method for analysing multiple pharmaceutical process intermediates: A case study of Compound Danshen Dripping Pills. <b>2023</b> , 108438  |     | 0 |
| 10 | Simplification of pharmacopoeial liquid chromatography methods for related substances of statins by hyphenated ultraviolet and charged aerosol detection. <b>2023</b> , 225, 115218  |     | 0 |
| 9  | Empagliflozin: Validation of Stability-Indicating LC Method and in silico Toxicity Studies.  |     | 0 |

- 8 Applications of Six Sigma and Quality by Design Approach in UHPLC Method Development for Simultaneous Assessment of Eight Bronchodilators in Drug Substance. **2023**, 35, 366-374 ○
- 7 Color Transferability from Solution to Solid Using Silica Coated Silver Nanoparticles. **2023**, 39, 1786-1792 ○
- 6 Development and optimization of a LC-MS/MS compatible method for quantification of losartan, hydrochlorothiazide and their impurities using AQbD approach and measurement uncertainty evaluation. **2023**, 259, 124481 ○
- 5 Cost effective and reliable cell based ELISA as an alternative method of flow cytometry for assessment of binding activity of Vedolizumab. **2023**, 9, e13570 ○
- 4 The Digital Inclusive Finance and Enterprise Innovation: Evidence from A-share Market. **2023**, 101-111 ○
- 3 Failure Identification Using Model-Implemented Fault Injection with Domain Knowledge-Guided Reinforcement Learning. **2023**, 23, 2166 1
- 2 Quantitative performance of digital ELISA for the highly sensitive quantification of viral proteins and influenza virus. **2023**, 415, 1897-1904 ○
- 1 A review on bioanalytical method development and validation of anticancer drugs by using lc/ms/ms and its applications on routine analysis. 4-19 ○