

Basic Information :

Name : Mohamed Mohamed
Title : Professor of Analytical Chemistry



Professor Mohamed Abdelkawy, professor of Analytical chemistry - Department of Pharmaceutical Chemistry. he has a PH.D and MSC degree in Analytical Chemistry from Cairo university.

Education :

| Certificate | Major | University | Year |
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| PhD | Pharmaceutical Sciences Analytical Chemistry | Cairo University | 1987 |
| Masters | Pharmaceutical Sciences Analytical Chemistry | Cairo University | 1980 |
| Bachelor | Pharmaceutical Sciences | Cairo University | 1973 |

Research :

- Potentiometric Method to Determine Montelukast Sodium in its Tablets with In-line Monitoring of its Dissolution Behaviour.
- Validated Chromatographic and Spectrofluorimetric Methods for Analysis of Silodosin: A Comparative Study with Application of RP-HPLC in the Kinetic Investigation of Silodosin Degradation.
- Simultaneous determination of phenazopyridine HCl and trimethoprim in presence of phenazopyridine HCl impurity by univariate and multivariate spectrophotometric methods-Quantification of phenazopyridine HCl impurity by univariate methods.
- Simultaneous determination of meclizine hydrochloride in its mixtures with pyridoxine hydrochloride, caffeine or nicotinic acid Using HPLC and TLC-densitometric methods,
- Comparison of two augmented classical least squares algorithms and PLS for determining nifuroxazide and its genotoxic impurities using UV spectroscopy.
- Spectral analysis of overlapped absorption bands of binary mixtures—an application on combination of pseudoephedrine sulphate and loratadine mixture.
- Different aspects in manipulating overlapped spectra used for the analysis of trimebutine maleate and structure elucidation of its degradation products.
- Spectral analysis of overlapped absorption bands of binary mixture-an application on combination of Pseudoephedrine Sulfate and Loratadine mixture
- Potentiometric sensing of Valaciclovir Hydrochloride in the presence of its acid induced degradation product with real time acquisition of the dissolution profile from its pharmaceutical formulations
- Potentiometric sensing of Valaciclovir Hydrochloride in the presence of its acid induced degradation product with real time acquisition of the dissolution profile from its pharmaceutical formulations
- Real time selective monitoring of the dissolution behavior of Pseudoephedrine Sulfate and Loratadine in their binary and ternary dosage form by utilization of In-line potentiometric sensor
- Simultaneous Determination of Thalidomide and Dexamethasone in Rat Plasma by Validated HPLC and HPTLC With Pharmacokinetic Study
- Validated stability-indicating spectrophotometric methods for the determination of Silodosin in the presence of its degradation products
- Chemometric assisted solid-phase extraction for the simultaneous determination of some anti-inflammatory drug residues in pharmaceutical industrial wastewater
- Real-time potentiometric sensor; an innovative tool for monitoring hydrolysis of chemo/bio-degradable drugs in pharmaceutical sciences
- Spectrofluorimetric determination of Bisoprolol fumarate and Rosuvastatin calcium in a novel combined formulation and in human spiked plasma

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| Simultaneous determination of hyoscine N-butyl bromide and paracetamol in their binary mixture by RP-HPLC method |
| Validated electrochemical and chroma-tographic quantifications of some antibiotic residues in pharmaceutical industrial waste water. |
| Comparative study of the spectral resolution efficiency of the recently developed and conventional spectrophotometric methods in the analysis of severely overlapped zero-order absorption spectra with the same geometrical features |
| Simultaneous Determination of Aspirin, Dipyridamole and Two of Their Related Impurities in Capsules by Validated TLC-Densitometric and HPLC Methods |
| Validated UPLC and TLC-Densitometry Stability Indicating Methods for the Determination of Rafoxanide in Presence of Its Degradation products |
| Chemometrics Tools in Detection and Quantitation of the Main Impurities Present in Aspirin/Dipyridamole Extended-Release Capsules |
| Enhancing prediction power of chemometric models through manipulation of the fed spectrophotometric data: A comparative study |
| Stability-indicating chromatographic methods for determination of flecainide acetate in the presence of its degradation products; isolation and identification of two of its impurities |
| Stability-indicating spectrophotometric methods for determination of the anticoagulant drug apixaban in the presence of its hydrolytic degradation product |
| Determination of nifuroxazide and drotaverine hydrochloride in pharmaceutical preparations by three independent analytical methods |
| Validated RP-HPLC and TLC-Densitometric Methods for Analysis of Ternary Mixture of Cetylpyridinium Chloride, Chlorocresol and Lidocaine in Oral Antiseptic Formulation |
| Two validated liquid chromatographic methods for the simultaneous determination of flumethasone pivalate, its related substance (flumethasone), and clioquinol |
| Spectrofluorimetric Determination of Diiodohydroxyquinoline in Presence of Metronidazole in Pharmaceutical Formulation and Spiked Human Plasma |
| LC-MS as a Stability-Indicating Method for Analysis of Hyoscine N-Butyl Bromide under Stress Degradation Conditions with Identification of Degradation Products |
| Simultano određivanje metokarbamola i ibuprofena ili diklofenak kalija metodom centriranja srednjih vrijednosti spektralnih omjera (mean centering of the ratio spectra method) |
| Different Spectrophotometric and TLC-Densitometric Methods for Determination of Two Analgesic Drugs |
| Different spectrophotometric and TLC-densitometric methods for determination of Lidocaine HCl and Cetylpyridinium Chloride |
| DRUG FORMULATIONS AND CLINICAL METHODS-Simultaneous Determination of Diloxanide Furoate and Metronidazole in Presence of Diloxanide Furoate Degradation Products |
| Simultaneous determination of diloxanide furoate and metronidazole in presence of diloxanide furoate degradation products |