

POSTERS – SESSION 2
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Analytical Chemistry
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Identification of Counterfeit Cialis Tablets by Direct Analysis in Real Time (DART) Time-of-Flight Mass Spectrometry

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The identification of counterfeit and sub-standard ibuprofen tablets by near-infrared spectroscopy

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Reverse phase-high performance liquid chromatography method for the analysis of atorvastatin in tablets and nanoemulsion formulation

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Development of a rapid and sensitive high performance liquid chromatographic method for determination of pioglitazone in human plasma

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Alternative method development for hazard reagents using method in Korean pharmaceutical codex

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Process for the development and validation of a near infrared spectroscopic whole tablet assay method.

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Development of a gas chromatography method to identify Levisticum officinale in Angelica sinensis Root

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Investigation of universal standard materials for the transfer of quantitative calibrations in near-infrared spectroscopy.

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High performance liquid chromatography assay method for simultaneous quantitation of formoterol and the two epimers of budesonide

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Sensitive and simple liquid chromatography-tandem mass spectrometric (LC-MS/MS) method for estimation of valsartan in human plasma

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A sound-based strategy to assist in data interpretation

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Validation of HPLC method for the quantification of tobramycin in urine samples after inhalation using pre-column derivatisation with fluorescein isothiocyanate

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Chemistry

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Synthesis and biological evaluation of a series of substituted benzyl imidazole based compounds as potential anti-bacterial agents

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The synthesis and evaluation of a range of non-steroidal inhibitors of the type 3 isozyme of 17 β -hydroxysteroid dehydrogenase (17 β -HSD) through the derivatisation of the steroid backbone

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Synthesis, biochemical evaluation and molecular modelling of a range of 4-substituted phenyl alkyl azoles as inhibitors of 17 α -hydroxylase/17,20-lyase (P450_{17 α})

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Synthesis of ester derivatives of pregnenolone in the mapping of the active site of 17 α -hydroxylase corresponding to the C(3) area of steroidal back bone

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Drug Delivery

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Determiration of solubility of Naproxen in a wax based matrix using thermal, visible microscopic and Higuchi release approach.

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Novel Nanoparticles For Pulmonary Gene Delivery

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The use of amino acids as cryoprotectants during lyophilisation of microspheres

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Optimization, characterization and in vitro release study of poly (D,L - lactide) microspheres for pulmonary delivery

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Pressurised metered dose inhaler formulations for pulmonary delivery of proteins

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Comparison of three techniques to determine the solubility of drugs in wax?

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Effect of the liposomal morphological phase and liposome-DNA complex size on in vitro DNA transfection.

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Experimental determination of the solubility of a model drug in drug-in-glue transdermal patches to validate a theoretical solubility calculator

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Formulation of Stabilised Micellar Based Systems for the Delivery of Poorly Water-Soluble Chemotherapeutics

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The use of polycaprolactone (PCL)-polyethylene glycol (PEG) nanoparticles as targeted vaccine delivery systems

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Cellular immune response to surface-modified chitosan nanoparticles as DNA vaccine delivery systems

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Enhanced transdermal delivery of aceclofenac using nanoemulsion technique

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A high sensitivity calorimetric approach for the determination of steroid entrapment in nebulised liposomes generated from proliposomes

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Chain length modulation in symmetrical lipopolyamines and the effect on nanoparticle formulations for gene delivery

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Formulation and delivery of fluorescent siRNA by lipospermine nanoparticle complex formation

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Efficient novel unsymmetrical lipopolyamine formulations for gene delivery

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Materials Science

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The development of a novel LED photocalorimeter for the assessment of photostability

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The implementation of FT-Raman spectroscopy to study solid state moisture induced changes in the crystallographic nature of pharmaceutical excipients - a lesson in Humidity.

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Application of calorimetry and sub-ambient atomic force microscopy to the study of frozen aqueous trehalose solutions

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Nano-thermal analysis of individual pharmaceutical particles

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Pharmaceutical Technology

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Molecular pharmaceuticals of drug particles engineered by application of ultrasonication

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Formulation and Evaluation of Medicated Microemulsion for Topical Application

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The influence of hypromellose on dipyridamole (a slightly soluble drug) release from aqueous ethylcellulose film-coated pellets

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Dose emission and aerodynamic characterization of the terbutaline sulphate dose emitted from a turbuhaler at low inhalation flow

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Effect of pH of the crystallization medium on the physicochemical properties of carbamazepine crystals

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Development and in vitro evaluation of osmotically controlled oral drug delivery system of metformin hydrochloride

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Development characterization and in vitro release of atenolol nanoparticles

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Accelerated ageing of gamma-irradiated, lyophilised wafers containing an insoluble API.

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The influence of spray drying on the physical properties of hydroxypropyl cellulose and hypromellose.

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Confocal laser scanning microscopy as a methodology to explore the effects of a model drug series on HPMC hydrophilic matrices

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Mechanisms of dielectric relaxation in freeze-dried disaccharides and the potential significance to the stability of freeze-dried products

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Dielectric properties of lactose monohydrate: mechanisms of relaxation and the influence of particle size and hydration water

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Dielectric properties of mixtures of amorphous lactose and crystalline lactose monohydrate

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Formation of cefuroxime axetil nanoparticles through rapid expansion of supercritical solutions(RESS)

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Enhanced drug release of ciprofloxacin dental implants: an impact by surfactant

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Sustained release sodium alginate microspheres formulation of aceclofenac and paracetamol as potential combination therapy in arthritis

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Nanoparticle preparation of indomethacin using high pressure carbon dioxide

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