



IDRC 2018 Posters

| No. | Presenting Author | Affiliation | Title |
|------------------------------|-----------------------------|--|---|
| Experienced/Post-Docs | | | |
| E-01 | Sae Tanaka | Keio University, Japan | Quantitative Analysis of the Ratio of Glucose Anomers in Solution |
| E-02 | Konni Biegert | Kompetenzzentrum Obstbau-Bodensee, Germany | Monitoring of apple fruit growth and development on the tree using a handheld vis/NIR device |
| E-03 | Roy McCormick | Kompetenzzentrum Obstbau-Bodensee, Germany | A movable external light source fitted to a hand-held Felix F750 vis/NIR spectrometer to take spatial resolved scans of ripening apple fruit while still attached to the tree |
| E-04 | Dongsheng Bu | BMS, US | Considerations of Model Validation of NIR Based Quantitative Methods |
| E-05 | Perrine Hebert | ARKEMA, France | Use of a NIR mini spectrometer for polyamides discrimination on a production unit by PLS-DA |
| E-06 | Nicola Caporaso | University of Nottingham, UK | Using hyperspectral imaging for prediction of whole cocoa bean composition |
| E-07 | Jordi Cruz | Salesian University, Spain | Prediction of bean plants pathologies, and geographical origin by using NIRS and chemometrics |
| Students | | | |
| S-01 | Natasha L. Velez | Duquesne University, US | Assessment of Mean Square Successive Difference Test as a Qualitative Statistical Approach for Monitoring Powder Blending using Near Infrared Spectroscopy |
| S-02 | Natasha L. Velez | Duquesne University, US | On-line Monitoring of Relative Density in a Continuous Flowing Powder Stream using NIR Spectroscopy |
| S-03 | Adam Rish | Duquesne University, US | Assessment of Mean Square Successive Difference Test as a Qualitative Statistical Approach for Monitoring Powder Blending using Near Infrared Spectroscopy |
| S-04 | Shikhar Mohan | Duquesne University, US | Improving On-line Monitoring of Tablet Coating Process with Terahertz Pulsed Imaging Based Near-Infrared Coating Thickness Models |
| S-05 | Pholisa Dumalisile | University of Stellenbosch, South Africa | Near Infrared (NIR) Spectroscopy Classification of Game Meat Species Using a Portable Instrument |
| S-06 | Carlos Ortega-Zuniga | University of Puerto Rico at Mayaguez, US | Study of near infrared chemometric models with low heterogeneity films. The role of optical sampling and spectral preprocessing on partial least squares errors. Part II: Reproducibility of NIR calibration models |
| S-07 | Adriluz Sanchez-Paternina | University of Puerto Rico at Mayaguez, US | Evaluation of sources errors in Near Infrared Spectroscopy - Understanding variographic analysis in NIR validation terms |
| S-08 | Barbara Alvarado-Hernandez | University of Puerto Rico at Mayaguez, US | Development of NIR calibration models for excipient powder blends and the challenges faced when transferring the method |
| S-09 | Pedro A. Martinez Cartagena | University of Puerto Rico at Mayaguez, US | A Scientifically Justified Interface and Sample Reduction System for Flowing Powders |
| S-10 | Maritza Reyna-Liriano | University of Puerto Rico at Mayaguez, US | Selection of PLS factors for evaluation of a mixing process in NIR spectroscopy |
| S-11 | Judi Psarrakis | Stellenbosch University, South Africa | Differentiating between the source of bottled water using near infrared spectroscopy and aquaphotomics |
| S-12 | Verena Wiedemair MSc. | University of Innsbruck, Austria | Insights into the total antioxidant capacities of different cultivars of gluten-free grains using benchtop and handheld NIR spectroscopy |
| S-13 | Princess Tiffany Dantes | Iowa State University, US | NIR Hyperspectral Imaging for Feed Quality and Safety Applications – A Review |
| S-14 | Christian G. Kirchler | University of Innsbruck, Austria | Applicability of handheld NIR spectrometers for the determination of relevant plant ingredients in black tea and rosemary leaves |