

NUMBER	TITLE	SPEAKER	AFFILIATION
P-01	A parameter-free framework for calibration enhancement of near infrared spectroscopy based on correlation constraint	Jin Zhang	Guizhou Medical University
P-02	Near Infrared Spectroscopy in China	Xiaoli Chu	Research Institute of Petroleum Processing of SINOPEC
P-03	Feature extraction method of infrared spectra with convolutional neural network	Jingjing Xia	China Agricultural University
P-04	Prediction of α -Lactalbumin and β -Lactoglobulin Composition of Aqueous Whey Solutions Using Fourier Transform Mid-Infrared Spectroscopy and Near-Infrared Spectroscopy	Margherita Tonolini	University of Copenhagen
P-05	Determination of K, Na, Ca, Mg in cigarette paper by NIR spectroscopy combined with LS-SVM	Weixin Xu	China Agricultural University
P-06	Quantitative analysis of tobacco chemical constituents based on near-infrared spectroscopy	Yun Wei	China Agricultural University
P-07	Removal of External Influences from On-line Vis-NIR Spectral Data for Predicting Soil Organic Carbon: Comparison of Spectra Transfer vs Orthogonalization methods	Muhammad Munnaf	Ghent University
P-08	Progress and Application of Independent Component Analysis in Near-infrared Spectroscopy	Xiu Huang	North China Electric Power University
P-09	Feature Selection of NIR Spectra for Diagnosis of Carcinoma Tissues	Zhuoyong Zhang	Capital Normal University
P-10	An innovative chemometric strategy coupled with visible and infrared spectroscopies to guide apple puree formulation	Benoit Jaillais	INRAE
P-11	Theoretical Simulation of Near-infrared Spectrum of Piperine. Insight into Band Origins and the Features of Regression Models from Different Spectrometers	Justyna Grabska	University of Innsbruck
P-12	LASSO based near infrared spectral multivariate calibration methods	Kaiyi Wang	Tiangong University

P-13	Study on near-infrared light scattering in colloidal suspensions using time-resolved measurements	Yuki INOUE	Hokkaido University
P-14	The influence of derivative spectral smoothing parameters on the transfer performance of near infrared spectral model of total plant alkaloids in tobacco leaves	Shijun Hong	East China University of Science and Technology
P-15	Unsupervised temporal analysis of NIRS spectra: application of the MWPCA to the characterization of leaf senescence in wheat	Héloïse Villesseche	INRAE
P-16	Weighted multi-scale support vector regression based on variational mode decomposition for spectral quantitative analysis of complex samples	Xihui Bian	Tiangong University
P-17	Application of Convolutional Neural Network Model Based on Combined NIR-Raman Spectra in Feed Composition Analysis	Wenjie Zhang	Nankai University
P-18	Differentiation and comparison of quality control in Tibetan medicine <i>Meconopsis quintuplinervia</i> Regel. based on multi-spectral analysis and chemometric method	Long Ruolan	Northwest Institute of Plateau Biology
P-19	Qualitative and Quantitative Analysis of <i>Rheum tanguticum</i> Maxim. in Different Months from Qinghai-Tibet Plateau based on Multi-Spectroscopy	Feng Dan	Northwest Institute of Plateau Biology
P-20	Research on nonlinear quantitative of Rebaudioside A crystallization process based on near infrared sensor fusion	Hailing Dong	Shandong University
P-21	Regularization in Spectroscopic Data Analysis with application to the prediction of percentage purity in olive-sunflower oil blends	Chin Gi Soh	Nanyang Technological University
P-22	Spatial and Spectral Limits of Detection (LoD) in the detection of microplastics in sand by Near Infrared Hyperspectral Imaging	Reaha Goyetche	University of the Basque Country
P-23	Product monitoring and exploratory analysis of historical data	Emanuele Farinini	University of Genoa
P-24	The Discretization of Swarm Intelligence Optimization Algorithm for Spectral Variable Selection	Rongling Zhang	Tiangong University
P-25	A Probing Device to Improve the Performance of Multivariate Models Using Compact Near-infrared Spectrophotometers	Celio Pasquini	Chemistry Institute - UNICAMP

P-26	Unstable Light Radiation Effect of Light Source for NIR Mobile Device	Krairuek Ngowsuwan	Kasetsart University
P-27	Study On On-line Quantitative Analysis of Recycle Textile Near Infrared Spectroscopy Based on GAN Semi-supervised Regression Method	HU Jin-quan	Beijing University of Posts and Telecommunications
P-28	Active Hyperspectral Sensor for Mineralogy Mapping and Plastic Waste Sorting	Francisco Senna Vieira	VTT Technical Research Centre of Finland
P-29	The combination of Firework algorithm and LSSVM algorithm is applied to the detection of hydrogen sulfide in natural gas	Yue Jiao	University of China Petroleum
P-30	A method based on GA-ELM for concentration prediction in the H ₂ S detection system	Ma Kun	University of China Petroleum
P-31	NIR Spectral Imaging Chip Based On Metasurface	Hongbo Zhu	Tsinghua University
P-32	Modeling for determining catechin compounds in Oolong tea using FT-NIRS coupled with multivariate data analysis	Guangjun Qiu	Institute of Quality Standard and Monitoring Technology for Agro-products of
P-33	Data augmentation: Hyperspectral imaging technology combined with deep convolutional generative adversarial network to identify haploid maize kernels	Liu Zhang	China Agricultural University
P-34	Evaluation of Volatile Fatty Acid Number of Field and Concentrated Latex of Para Rubber by Near Infrared Spectroscopy	Jeerayut Hongwiangjan	King Mongkut's Institute of Technology Ladkrabang
P-35	Calibration development for lactose in milk protein concentrate using a NIR transreflectance probe connected to a multiplexed FT-NIR spectrometer	yuanyuan pu	teagasc ireland
P-36	Application of near infrared spectroscopy to classify rice samples harvested in different years	Xuexue Miao	Hunan Rice Research Institute, Hunan Academy of Agricultural Sciences
P-37	Online assessment of the nitrate content in spinach plants using a FT-NIR instrument and LOCAL algorithm	Miguel Vega-Castellote	Córdoba University
P-38	Binary Differential Evolution Algorithm Applied for Wavelength Selection in NIR Analysis of Fishmeal	Huazhou Chen	Guilin University of Technology

P-39	Exploration of the optimization method of feature wavelength screening in the classification data processing of frozen fish in near infrared spectroscopy	Gongyi Cheng	Nankai University
P-40	Non-destructive detection of adulterated sweet almond batches using portable NIRS sensors	Irina Torres	University of Cordoba
P-41	Application of Hyperspectral Imaging Technology in Agriculture	Haiyan Ji	China Agricultural University
P-42	Feasibility study of the prediction of fatty acids in sliced Iberian pig ham using a miniature Near Infrared sensor	José Entrenas	University of Cordoba
P-43	Influence of the instrument wavelength range for the prediction of olive oil quality attributes	Maria del Mar Garrido-Cuevas	University of Cordoba
P-44	Deep learning approach of visible microscopic and NIR macroscopic image for wood species classification	Kimura Fumiya	Nagoya University
P-45	Non-destructive Detection of Low-density Food Contaminations using Single Pixel based NIR Multispectral Imaging	Takumi Kimura	Nagoya Univ
P-46	Rapid and accurate simultaneous determination of the variety and geographical origin of Wuyou No.4 rice by Fourier transform near-infrared spectroscopy coupled with chemometrics	Peijin Tong	Wilmar (Shanghai) Biotechnology Research & Development Center Co., Ltd
P-47	Wine Fermentation Process Monitoring by NIR Analysis Method	SUMAPORN KASEMSUMRAN	Kasetsart University
P-48	Handheld NIR spectrometers to evaluate grass silage quality A study of calibration performance	Juan Antonio Fernández Pierna	Walloon Agricultural Research Centre
P-49	Vis-NIR spectroscopy combined with Bayes classifier based on wavelength screening applied to wine multi-brand identification	Jiaqi Li	Jinan University
P-50	Wavelength selection method based on spectral separation degree with Vis-NIR spectroscopy applied to discrimination of milk powder adulteration	Yan Tang	Jinan University
P-51	NIR-NMR spectroscopy fusion, an approach to open the black-box of NIR spectroscopy used to monitor the freshness of vegetables	Xinyue Li	National Agriculture and Food Research Organization (NARO)

P-52	HANDHELD NIR AND PLS-DA FOR ONSITE DETECTION OF INJECTED WATER AND DISCRIMINATION OF DIFFERENT INJECTED SOLUTIONS IN TUNA	Sonia Nieto	AZTI
P-53	Comprehensive evaluation of Sargassum fusiforme from different harvest times using near-infrared spectroscopy and chemometrics	Yang Yue	Wenzhou University
P-54	Development of NIRS calibrations for seed content of lipids and proteins in contrasting white lupin germplasm	Stefania Barzaghi	Council for Agricultural Research and Economics - CREA
P-55	Estimation of texture change during cheese maturation using spatially resolved diffuse reflectance	Karin Agena	University of Tsukuba
P-56	Irreversible changes of woods under multiple tensile load-unload cycles evaluated by the eigenvalue distribution of NIR spectral matrices	Fujimoto Takaaki	Tottori University
P-57	Assessment of kernel presence in winter wheat ears using Near-Infrared Hyperspectral Imaging	Damien Vincke	Walloon Agricultural Research Centre
P-58	Identification of Acacia clones wood using Near-infrared hyperspectral imaging and deep learning method	Viet Dang Duc	Nagoya university
P-59	NIR and IR study on amylose-amylopectin mixture for evaluation of hydration of starches	Norihisa Katayama	Nagoya City University
P-60	The AS7265x chipset as an alternative low-cost multispectral sensor for agricultural applications	Arnaud DUCANCHEZ	Institut Agro Montpellier SupAgro
P-61	Determination of quail egg freshness using a portable NIR spectrometer	Douglas Barbin	University of Campinas
P-62	Use of Vis-NIR spectroscopy to predict nutrient composition of poultry excreta	Andrés Cruz-Conesa	Rovira i Virgili University and IRTA
P-63	Simultaneous updating of NIR calibration models to predict protein, gross energy, fat and fibre in pig feces using a sample selection algorithm based on D-optimal criterion	Joan Ferré	Universitat Rovira i Virgili
P-64	Abnormal egg detection using visible/near-infrared spectral system with optimized lighting source	Juntae Kim	Chungnam National University

P-65	Exploring the use of Fourier transform near infrared spectroscopy as a tool to predict maturity and spawning status in marine fishes with variable reproductive strategies	Todd TenBrink	NOAA Alaska Fisheries Science Center
P-66	Estimating Fish Age from Otolith Near Infrared Spectra and Machine Learning	Irina Benson	National Marine Fisheries Service
P-67	Smart-HAND: a simplified LED device for intact olives quality evaluation	Alessia Pampuri	Università degli Studi di Milano La Statale
P-68	Rapid determination of Nitrogen, Iron and Potassium in citrus leaves by VIS / NIR spectroscopy and chemometrics	Jose Blasco	Instituto Valenciano de Investigaciones Agrarias (IVIA)
P-69	Estimating the single-point nitrogen content of rubber leaves from single-point spectra based on CNN	Rongnian Tang	Hainan University
P-70	Portable NIR combined with iPLS for the measurement of cherry tomato quality	Tai-Sheng Yeh	Meiho University
P-71	Detection the freshness of chilled rainbow trout by near infrared spectroscopy	Zhiqiang Wu	Tianjin Normal University
P-72	Efficient Recognition and Automatic Sorting of Waste Textiles by Online Near Infrared Spectroscopy Based on Convolutional Neural Network	Wenxia Li	Beijing Institute of Fashion Technology
P-73	Application of Near-Infrared Analysis technology in intermediate control analysis of refinery	Yanbin Wang	Petrochemical Research Institute
P-74	Rapid monitoring the extraction process of Stevia rebaudiana Bertoni leaves using near infrared spectroscopy	Lele Gao	Shandong university
P-75	Rapid analysis of properties of hydro-upgrading diesel by NIR without fractionation	Lina He	Petrochemical Research Institute of Petrochina
P-76	Embedded NIR spectroscopy for rotary tablet press	Yves Roggo	Novartis
P-77	Evidencing the importance of preprocessing NIR spectra to determine the physicochemical properties of diesel using chemometric strategies	María Rodríguez Barrios	Universitat Rovira i Virgili

P-78	Determination of nitrogen and phosphorus in dairy slurry using near infrared diffuse reflection spectroscopy	Mengting Li	Agro-Environmental Protection Institute, Ministry of Agriculture and Rural Affairs
P-79	Resnet combined with transfer learning for drug classification using near-infrared spectroscopy	Fu Pengyou	Guilin University of Electronic
P-80	Method Development and Validation of a Near-infrared spectroscopic method for In-line API quantification during fluidized bed granulation	Liang Zhong	Shandong University
P-81	Rapid Determination of Ethylene content in anti-impact Polypropylene via Near-Infrared Techniques	Tong Guo	Beijing University of Chemical Technology
P-82	Research Progress of Near-Infrared Spectroscopy in Quality Evaluation of the Valuable Chinese Materia Medica	Zhiwei Huang	Guangdong Pharmaceutical University
P-83	Mapping of executive function and decision-making impairments in gambling addiction by using fused EEG-fNIRS	Zhen Yuan	University of Macau
P-84	Study on Feature Spectrum Extraction and Classification of Sediments in Different Regions	Xueying Li	Institute of Oceanographic Instrumentation
P-85	Spectral Model Comparison Analysis of Carbon and Nitrogen Content in Coastal Tidal Flat Sediments Based on Visible-Near Infrared Spectroscopy	Huimin Qiu	Institute of oceanographic Instrumentation
P-86	Near Infrared spectroscopy is used to study the structural changes of human serum albumin	Chen Yu	Shandong University
P-87	Model Fusion for Identification Analysis with Vis-NIR Spectroscopy Applied to Serum Breast Cancer Screening	Lijun Yao	Jinan University
P-88	FT-NIR transmission analysis of urine samples: a feasibility study for the early screening of prostatic cancer	Monica Casale	University of Genoa
P-89	Detection of microplastics in soil by near-infrared spectroscopy	Chunhong ZHANG	Tokyo University of Agriculture and Technology

P-90	The potential of NIR technique for diagnosis of <i>Trichuris muris</i> and <i>Schistosoma mansoni</i>	Silvia Ciocchetta	University of Queensland
P-91	Search for a potential non NIR-absorbing liquid for NIR spectroscopic detection of microplastics in water	Yunjung Kim	Hanyang University
P-92	Monitoring of insect pests in crop fields using spectral imaging	Rosalba Calvini	University of Modena and Reggio Emilia
P-93	Microplastics identification and characterisation in aquatic samples by means of hyperspectral imaging (NIR-HSI) and chemometrics.	Cristina Malegori	DIFAR - University of Genova
P-94	Identification and Classification of Fungal Colonies in Walls by using Near Infrared Hyperspectral Imaging	Iñaki Vázquez de la Fuente	University of the Basque Country
P-95	Continuous blending monitoring and end-point identification by means of a near-infrared-based PAT tool	Eleonora Mustorgi	University of Genova
P-96	NIR-HSI and MCR for the evaluation of fibre distribution in enriched pasta	Amanda Badaró	University of Campinas
P-97	Chemometric Methods for Quantitative Analysis of Aqueous Samples by Temperature-Dependent Near-Infrared Spectra	Li Han	Nankai University
P-98	Investigating the water structures in reverse micelles by temperature-dependent near-infrared spectroscopy	Mian Wang	Nankai University
P-99	Fountain graph for temperature-dependent variable selection in near-infrared spectra	Xiaoyu Cui	Peking University
P-100	Water as a probe to diagnose urine of rats with acute blood stasis syndrome treated by Xinkeshu tablets based on temperature-dependent near-infrared spectroscopy	Yongheng Wei	Shandong University
P-101	The Aquaphotomics and E-nose approaches to evaluate the shelf life of ready-to-eat rocket salad	Laura Marinoni	CREA
P-102	Spectroscopic characterization of Phoenician glass bead excavated in the Philippines: Bird bead	Pisutti Dararutana	Royal Thai Army

P-103	Insight into Hydration Behavior of Poly (hydroxypropyl acrylate) block copolymer by Temperature-dependent Infrared Spectroscopic	Chongwen Xiong	Beijing University of Chemical Technology
P-104	Prediction of rubber leaf nitrogen content based on fractional order GWO-SVR	Tang Rongnian	University of Hainan
P-105	Comparison between gasoline samples for forensic purposes using handheld and benchtop instruments	Luan Barbosa-Patricio	Federal University of Pernambuco
P-106	A Handheld NIR Spectroscopy System with Online Chemometrics	Robert Lovrincic	trinamiX GmbH
P-107	Ultraviolet-visible-near-infrared spectroscopy for detection of low-level malaria parasitemia in whole blood	John Adegoke	Monash University
P-108	Transformation of NIR to HPLC fingerprint: A feasibility research with Gastrodiae rhizoma as an example	Qi Zeng	Tianjin University of Traditional Chinese Medicine
P-109	Research on non-destructive detection of cotton seed plumpness based on terahertz time-domain spectroscopy and imaging technology	Li Yang	Beijing Technology and Business University
p-110	Study on detection method of internal mildew of peanut based on hyperspectral technology	Qian Zhang	Beijing Technology and Business University
P-111	Discrimination of adulterated milk using temperature-dependent two-dimensional near-infrared correlation spectroscopy	Huang Mingyue	Tianjin Agricultural University