

PARTICIPANT INFORMATION BY INSTITUTION

Institution Name (Acronym)	University of Cordoba (UCO)
Country	Spain
Researchers involved (please, indicate university department or research group affiliation where appropriate) (* contact person)	*Lola Pérez Marín *Ana Garrido Varo Irina Torres Rodríguez Jose A. Entrenas De León Maria del Mar Garrido Cuevas Miguel Vega Castellote, Agro-livestock Production Systems Engineering (AGR-128), Department of Animal Production
Contact email	dcperez@uco.es pa1gavaa@uco.es
Main Research topics	Near Infrared Sensors, Hyperspectral imaging, Quality control of agri-food products and processes (feeds, oils, meats, fruit & vegetables), Spectral data processing using multivariate analysis for the development of quantitative and qualitative prediction models. Advanced nonlinear strategies for modelling (ANN, local regressions, etc.). Instrument cloning Repeatability files
Main Equipment and Facilities	<ul style="list-style-type: none"> • FNS-6500 SY-II scanning monochromator (FOSS NIRSystems, Silver Spring, MD, USA). • NIRSTM DS2500 spectrometer (FOSS NIRSystems, Silver Spring, MD, USA). • FT-NIR spectrophotometer Matrix-F (Bruker Optik GmbH, Ettlingen, Germany). • Diode-array spectrophotometer (Perten DA-7440, Perten Instruments North America, Inc., Springfield, IL, USA). • Quant FT-NIR Analyser (Q-Interline, Tølløse, Denmark). • Handheld LVF instrument, MicroNIR™ 1700 spectrophotometer (JDSU Uniphase Corporation, Milpitas, CA, USA). • Portable instrument, MicroNIR™ Pro 1700 LVF spectrophotometer (VIAVI Solutions, Inc., San Jose, California, USA). • Handheld instrument based on diode array technology, Aurora spectrophotometer (GraiNit S.r.l., Padova, Italy).

	<ul style="list-style-type: none"> • Handheld micro-electro-mechanical system (MEMS) spectrophotometer, Phazir 2400, Polychromix Inc., Wilmington, MA, USA). • MicroPhazir, a handheld MEMS-based NIR digital transform spectrometer (Polychromix Inc., Wilmington, MA, USA). • Handheld NIR miniaturised instrument, SCiO Sensor (Consumer Pyhsics, Tel-Aviv, Israel). • Portable handheld instrument, Tellspec Enterprise Scanner (Tellspec Inc., Toronto, Ontario, Canada) • Hyperspectral camera Headwall Photonics Micro-Hyperspec[®] NIR X series, Fitchburg, MA, USA (900 - 1700 nm). • Hyperspectral camera Xeva-FPA-1.7-320, Xenics, Lovaina, Belgica (946.6 -1648.0 nm). • BaySpec OCI[™] Ultra-compact Hyperspectral Camera (600 - 1000 nm). • NIR camera (MatrixNIR, Malvern Instruments, Maryland, USA) (900–1750 nm). • Other laboratory facilities. • Sample bank (refrigerated and frozen conditions).
<p>Other relevant information</p>	<p>Training on NIRS. Specific courses in Spanish or English.</p> <p>On line Course on NIRS</p> <p>http://www.uco.es/nirsplatform/</p>