



Esther Sin

Titular d'Universitat

Personal Information



Position: Titular d'Universitat

Area of expertise: Genètica

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Research

- Obtenció de material vegetal de blat fariner, adaptat a les condicions espanyoles.

Teaching

- GENÈTICA
- BIOLOGIA I GENÈTICA FORESTAL
- PROPAGACIÓ I PLANTERS FORESTALS
- GENÈTICA I MILLORA VEGETAL

- TECNOLOGIA DE CULTIUS HERBACIS

- Doble grau en Veterinària i Ciència i Producció
- Grau en Enginyeria Forestal
- Grau en Enginyeria Forestal
- Grau en Enginyeria Agrària i Alimentària

- Grau en Enginyeria Agrària i Alimentària



Recent Publications

Del Moral, J., Delibes, A., Martín-Sánchez, J.A., Sin, E., Sillero, J., Rojas, M., López-Braña, I., Pérez-Rojas, F., Parralejo, V., Senero, M., Rojo, M.J., De la Cruz, J. 2010. Aumento de producción de líneas de trigo panadero con los genes H27 y H30 que confieren resistencia a *Mayetiola destructor* Say., transferidos desde *Aegilops* sp.

Actas de Horticultura 67-68

Montes MJ, Andres MF, Sin E, Lopez-Brana I, Martin-Sanchez JA, Romero MD, Delibes A. 2008. Cereal cyst nematode resistance conferred by the Cre7 gene from *Aegilops triuncialis* and its relationship with Cre genes from Australian wheat cultivars. Genome 51(5):315-319

Delibes,A, López-Braña, Simonetti, E., Martín- Sánchez,J.A., Sin, E., Del Moral, J., Pérez-Rojas, F. 2008. Effects of introgressed 4Nv *Aegilops ventricosa* chromosome on yield and yield components in bread wheat. Annual Wheat Newsletter 54:133-134

Delibes,A, López-Braña, I., Moreno-Vázquez, S., Simonetti, E., Martín- Sánchez, J.A., Sin, E., Martínez, C., Briceño-Félix, G., Michelena, A., Torres, L., Andrés, M.F., Romero, M.D. 2008. Peroxiadase expresion in a cereal cyst nematode (*Heterodera avenae*) resistant hexaploid wheat line. Annual Wheat Newsletter 54:134-137

Delibes,A, López-Braña, I., Moreno-Vázquez, S., Simonetti, E., Martín- Sánchez, J.A., Sin, E., Martínez, C., Briceño-Félix, G., Michelena, A., Torres, L., Andrés, M.F., Romero, M.D. 2008. Release of Mapeña sprin bread wheat (Items from Spain). Annual Wheat Newsletter 54:136

Sin E, Martín-Sánchez JA, López-Braña I, Pérez-Rojas F, Del Moral J, Delibes A. 2008. Evaluation of population of Hessian fly *Mayetiola destructor* (Say) in the South-West of Spain. Options Méditerranéennes. Série Séminaires Cereal Science and Technology for Feeding ten Billion People. Genomics Era 81:379-381

Delibes A,López-Braña I, Moreno-Vázquez S, Simonetti E, Romero MD, Andrés MF, Martín-Sánchez JA, Briceño-Félix G, Sin E, Martínez C, Micelena A, Torres L, Del Moral J, Perez F. 2007. Characterization of the Hessian fly biotype prsent in southwestern Spain. Annual Wheat Newsletter 53:87-89

Delibes A,López-Braña I, Moreno-Vázquez S, Simonetti E, Romero MD, Andrés MF, Martín-Sánchez JA, Briceño-Félix G, Sin E, Martínez C, Micelena A, Torres L, Del Moral J, Perez F. 2007. New releases (Items from Spain). Annual Wheat Newsletter 53:90-91

Delibes A, López-Braña I, Montes MJ, González-Belinchón C, Romero MD, Andrés MF, Martín-Sánchez JA, Briceño G, Sin E, Martínez C, Michelena A, Torres L. 2006 Characterization of resistance to cereal cyst nematode (*Heterodera avenae*) in *Triticum aestivum* /*Aegilops* introgreison lines Revista: Annual Wheat Newsletter

Delibes A, López-Braña I, Moreno-Vázquez S, González-Belinchon MC, Romero MD, Andrés MF,



Martín-Sánchez JA, Briceño-Felix G, Sin E, Martínez CM, Michelena A, El Moral J, Pérez-Rojas F, Senero M. 2005. Resistance of advanced bread wheat lines to nematodes and Hessian fly. Progres update Revista: Annual Wheat Newsletter

Delibes A, López-Braña I, Moreno-Vázquez S, González-Belinchón C, Romero MD, Andrés F, Martín-Sánchez JA, Sin E, Martínez C, Michelena A. 2004. Changes in peroxidase gene expression in response to Heterodera avenae infection in a wheat Aegilops ventricosa introgression line carrying the resistance gene Cre2 Revista: Annual Wheat Newsletter

Martín-Sánchez JA, Gómez-Colmenarejo M, Del Moral J, Sin E, Montes MJ, González-Belinchón C, López-Braña I, Delibes A. 2003. Título: A new Hessian fly resistance gene (H30) transferred from the wild grass Aegilops triuncialis to hexaploid wheat Ref.revista: (2003) Revista: Theoretical and Applied Genetics

Delibes A, López-Braña I, Montes MJ, González-Belinchón C, Martín-Sánchez JA, Sin E, Martínez C, Michelena A, Del Moral J, Pérez-Rojas F, Espinal FJ, Senero M. 2003. Studies in relation to the Hessian fly-resistance gene (H30) transferred from the wild grass Aegilops triuncialis to hexaploid wheat Revista: Annual Wheat Newsletter

Montes MJ, López-Braña I, Romero MD, Sin E, Andrés MF, Martín-Sánchez JA, Delibes A. 2003. Biochemical and genetic studies of two Heterodera avenae resistance genes transferred from Aegilops ventricosa to wheat. Theoretical and Applied Genetics 107: 611-618

Delibes A, López-Braña I, Montes MJ, Gómez-Colmenarejo D, González-Belinchón D, Romero M, Andrés F, Martín-Sánchez JA, Sin E, Martínez C, Michelena A. 2002. Differential induction of defense enzymes and the chromosomal location in wheat/Aegilops introgression lines of two heterodera avenae resistance genes of Ae. ventricosa Revista: Annual Wheat Newsletter

Del Moral J, Delibes A, Martín-Sánchez JA, Mejías A, López-Braña I, Sin E, Montes MJ, Pérez-Rojas F, Espina FJ, Senero M. 2002. Obtención de líneas de trigo resistentes a Mayetiola destructor Say en la Campiña Sur de Extremadura Revista: Boletín de Sanidad Vegetal. Plagas

Delibes A, López-Braña I, Montes MJ, Gómez-Colmenarejo D, Romero MF, Andrés F, Martín-Sánchez JA, Sin E, Martínez C, Michelena A, Del Moral J, Mejías A. 2001. Transfer of resistance genes to Hessian fly and cereal cyst nematode from Ae. triuncialis to hexaploid wheat and its use in breeding programs. Revista: Annual Wheat Newsletter

Delibes A, López-Braña I, Montes MJ, Martín-Rodríguez JJ, Ansede E, Martín-Sánchez JA, Sin E, Martínez C, Michelena A, del Moral J, Mejía A, Jiménez J. 2000. Items From Spain, Contribution of Universidad Politécnica de Madrid, Junta de Extremadura, University of Lleida and Institute for Food and Agricultural Research and Technology (UdL-IRTA) Revista: Annual Wheat Newsletter

Delibes A, López-Braña I, Montes MJ, Romero D, Andrés MF, Duce D, Martín-Sánchez JA, Sin E, Martínez C, Michelena A. 2000. Items From Spain, Contribution of Universidad Politécnica de Madrid, Consejo Superior de Investigaciones Científicas, University of Lleida and Institute for Food and Agricultural Research and Technology Revista: Annual Wheat Newsletter



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<http://webgrec.udl.cat/cgi-bin/DADREC/crgen.cgi?FONT=3&IDI=CAT&PID=367567&IDNC=201210161350170>])