

SPANISH JOURNAL OF AGRICULTURAL RESEARCH

Formerly «Investigación Agraria» Series «Producción y Protección Vegetales»
and «Producción y Sanidad Animales» (founded 1985)

EDITORIAL BOARD OF THIS SPECIAL ISSUE

Editor-in-Chief and Managing Editor

Carmen de Blas Beorlegui. INIA. Ctra. A Coruña, km 7,5. 28040 Madrid (Spain).
cblas@inia.es

Antonio López Sebastián (animal section). Dept. Reproducción Animal. INIA.
Ctra. A Coruña, km 5,9. 28040 Madrid (Spain). alopezs@inia.es

Coordinator of this Special Issue

Javier Romero. INIA. Ctra. A Coruña, km 7,5. 28040 Madrid (Spain). romero@inia.es

Associate Editors

Cipriano Aragón

Departamento de Biotecnología. ETSI de Montes. Univ. Politécnica
Ciudad Universitaria, s/n. 28040 Madrid. Spain
cipriano.aragon@upm.es

Manuel Baselga

Departamento de Ciencia Animal. ETSI Agrónomos. Univ. Politécnica
Camino de Vera, 14. Apdo. 22012. 46071 Valencia. Spain
mbselga@dca.upv.es

Javier Domínguez Juncal

Departamento de Biotecnología. INIA.
Ctra. A Coruña, km 7,5. 28040 Madrid. Spain
juncal@inia.es

Fernando García Arenal

Departamento de Biotecnología. ETSI Agrónomos
Ciudad Universitaria, s/n. 28040 Madrid. Spain
fernando.garciaarenal@upm.es

Luis Gómez

Departamento de Biotecnología. ETSI de Montes
Ciudad Universitaria, s/n. 28040 Madrid. Spain
luis.gomez@upm.es

Jaime Rodríguez

Departamento de Mejora Genética Animal. INIA
Ctra. A Coruña, km 7,5. 28040 Madrid. Spain
rodriga@inia.es

Javier Romero

Departamento de Protección Vegetal. INIA
Ctra. A Coruña, km 7,5. 28040 Madrid
romero@inia.es

Gabriel Salcedo

Departamento de Biotecnología. ETSI Agrónomos
Ciudad Universitaria, s/n. 28040 Madrid
gabriel.salcedo@upm.es

Journal Editorial Office

Servicio de Publicaciones-INIA. Autopista A-6, km 7,5. 28040 Madrid (Spain).
E-mail: publinia@inia.es. Phone: +34 91 347 39 16. Fax: +34 91 357 22 93

AIM AND SCOPE

The Spanish Journal of Agricultural Research publishes research articles, reviews and short communications. Research articles and short communications must report original work not previously published in any language, nor under consideration for publication elsewhere.

After peer review and approval by the editorial board, SJAR publishes papers reporting research findings dealing with all aspects on production and health in plants and animals, such as genetics, breeding, organic, biological agriculture and sustainable production systems, apiculture, aquaculture, forages and pastures, plant and animal diseases, pests and weeds, epizootiology, immunology, parasitology, physiology, reproduction, management and food technology, natural and genetic resources, agricultural economics, rural engineering and mechanization, soils, fertilization, irrigation and watering, etc.

SJAR is indexed in **Agrícola**, **Agris**, **Biosis Previews**, **CAB Abstracts**, **CAB Health**, **CABI full text databases**, **Current Contents Connect** (discipline: Agriculture/Agronomy), **FSTA** (Food Science and Technology Abstracts), **Georef**, **Pascal**, **Science Citation Index Expanded**. It is also included in the following automated directories: **Jake**, **Latindex Catalogue**, **Latindex Directory**, **Ulrich's Periodicals Directory**. Recognised by the Cuban Academy of Sciences.

SJAR is published quarterly (March, June, September and December) by the Spanish National Institute for Agricultural and Food Research and Technology (INIA). Autopista A-6, km 7,5. 28040 Madrid (Spain).

ALERT SERVICE

If you wish to receive via e-mail, whenever a new issue of SJAR appears, the table of contents with direct links to the respective abstracts, take advantage of our free Alert Service. To register, simply send an e-mail with the message «Subscribe SJAR» to publinia@inia.es.

OPEN ACCESS JOURNAL

Full contents available online at
www.inia.es/SJAR