

ÁREA DE CIENCIA ANIMAL

BIOFITER

INDEXADAS

Effect of the Consumption of Lean Red Meat from Beef (Pirenaica Breed) Versus Lean White Meat (Chicken) on the Gut Microbiota: A Randomized Cross-Over Study in Healthy Young Adults

Rueda-De Torre, Isabel; Plaza-Díaz, Julio; Miguel-Berges, María L.; Gil, Angel; Grasa, Laura; Esteban, Luis Mariano; Sabroso-Lasa, Sergio; Campo, María M.; **Santolaria, Pilar**; Moreno, Luis A.; Santaliesra-Pasías, Alba M.

8101 MOLECULAR NUTRITION & FOOD RESEARCH e70189 [13 pp.]

Factor de impacto W.O.S 4.2

[10.1002/mnfr.70189](https://doi.org/10.1002/mnfr.70189)

Effect of capacitation on proteomic profile and mitochondrial parameters of spermatozoa in bulls

Castelló-Ruiz, María; Gacem, Sabrina; Sánchez del Pino, Manuel M.; Hidalgo, Carlos O.; Tamargo, Carolina; Álvarez-Rodríguez, Manuel; **Yániz, Jesús L.**; Silvestre, Miguel A.

7576 JOURNAL OF PROTEOME RESEARCH 24 4 1817-1831

Factor de impacto W.O.S: 3.8

[10.1021/acs.jproteome.4c00910](https://doi.org/10.1021/acs.jproteome.4c00910)

Temperature-induced variation in the transcriptome of maritime pine (Pinus pinaster Ait.) embryogenic masses modulates the phenotype of the derived plants

Montero-Pau, Javier; Pérez-Oliver, María Amparo; Rodríguez-Cuesta, Álvaro; Arrillaga, Isabel; **Sales, Ester**

7990 BMC Genomics 26 467 [17 pp.]

Factor de impacto W.O.S: 3.5

[10.1186/s12864-025-11610-0](https://doi.org/10.1186/s12864-025-11610-0)

Melatonin mitigates autophagy: unlocking conditional resilience in sheep trophoblast cells exposed to a hypoxic environment

Viola, Irene; Accornero, Paolo; Quarati, Elisa; Manenti, Isabella; Miretti, Silvia; **Canto, Francisco**; **Abecia, José Alfonso**; Toschi, Paola

60300 Reproduction & fertility 6 4 e250084 [12 pp.]

Factor de impacto W.O.S: 3.4

[10.1530/RAF-25-0084](https://doi.org/10.1530/RAF-25-0084)

An AI-Based Open-Source Software for Varroa Mite Fall Analysis in Honeybee Colonies **Yániz, Jesús**; Casalongue, Matías; Martínez-de-Pison, Francisco Javier; Silvestre, Miguel Angel; Consortium, Beeguards; **Santolaria, Pilar**; Divasón, Jose 3

8892 Agriculture (Basel) 15 9969 [16 pp.]

Factor de impacto W.O.S: 3.3

[10.3390/agriculture15090969](https://doi.org/10.3390/agriculture15090969)

Behavioural study of rams subjected to photoperiod change: sexual, social, vital and group activities monitored by video

Pérez-García, Elena; Nieto, Jaime; **Abecia, José Alfonso**; Plaza, Javier; Palacios, Carlos

368 Animal Reproduction Science 280 107969 [11 pp.]

Factor de impacto W.O.S: 3.3

[10.1016/j.anireprosci.2025.107969](https://doi.org/10.1016/j.anireprosci.2025.107969)

Bio-loggers and miRNAs are innovative tools for measuring physiological changes in lambs during transport

Manenti, Isabella; Viola, Irene; Canto, Francisco; Accornero, Paolo; Toschi, Paola; Versace, Carmine; Macchi, Elisabetta; Martignani, Eugenio; **Abecia, José Alfonso**; Miretti, Silvia

2816 Journal of Animal Science 103 [12 pp.]

Factor de impacto W.O.S: 2.9

[10.1093/jas/skaf123](https://doi.org/10.1093/jas/skaf123)

Melatonin in Male Dromedary Camel (Camelus dromedarius) Seminal Plasma and Its Specific MT1 and MT2 Receptors on Sperm Membranes

Doghbri, Lamia; **Carvajal-Serna, Melissa**; Atigui, Moufida; **Casao, Adriana**; **Peña-Delgado, Victoria**; Seddik, Mabrouk-Mouldi; Dbara, Mohamed; **Pérez-Pé, Rosaura**; Hammadi, Mohamed 38562 Animals15 1 83 [17 pp.]

Factor de impacto W.O.S.: 2.7

[10.3390/ani15010083](https://doi.org/10.3390/ani15010083)

Melatonin supplementation does not improve ovine pre- or post-hatching development in vitro

Carvajal-Serna, M.; Martínez de los Reyes, N.; Marigorta, P.; Bermejo-Álvarez, P.; Ramos-Ibeas, P.5383 THERIOGENOLOGY 241 Desconocido 117428 [7 pp.]

Factor de impacto W.O.S: 2.4

[10.1016/j.theriogenology.2025.117428](https://doi.org/10.1016/j.theriogenology.2025.117428)

Heart rate and heart rate variability in lambs, measured by biologgers, during transport and its relationship to basal cortisol concentration

Manenti, Isabella; **Abecia, José A.**; Viola, Irene; Toschi, Paola; **Canto, Francisco**; Miretti, Silvia

8483 Italian Journal of Animal Science 24 1 1774-1780

Factor de impacto W.O.S: 2.3

[10.1080/1828051X.2025.2545373](https://doi.org/10.1080/1828051X.2025.2545373)

Antioxidant components of ram seminal plasma are influenced by age, season, and the Rsa1 polymorphism of the MTNR1A gene

Peña-Delgado, Victoria; Carvajal-Serna, Melissa; Noya, Agustí; **Canto, Francisco**; Erden, Pelin;

Abecia, José Alfonso; **Pérez-Pe, Rosaura**; **Casao, Adriana**

368 Animal Reproduction Science 27 107853 [8 pp.]

Factor de impacto W.O.S: 2.2

[10.1016/j.anireprosci.2025.107853](https://doi.org/10.1016/j.anireprosci.2025.107853)

Triaxial accelerometers and subcutaneous biologgers as tools to record diurnal and nocturnal changes in locomotor activity, body temperature, heart rate, and heart rate variability in melatonin-treated lambs (Ovis aries)

Abecia, José A.; Manenti, Isabella; Viola, Irene; Toschi, Paola; Palacios, Carlos; **Canto, Francisco**;

Miretti, Silvia

1307 COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY A-MOLECULAR & INTEGRATIVE

PHYSIOLOGY 305 111849 [8 pp.]

Factor de impacto W.O.S: 2.1

[10.1016/j.cbpa.2025.111849](https://doi.org/10.1016/j.cbpa.2025.111849)

Circadian rhythm of locomotor activity and body temperature in free-range laying hens as measured by triaxial accelerometers and subcutaneous biologgers

Abecia, José A.; **Canto, Francisco**; Plaza, Javier; Nieto, Jaime; Palacios, Carlos

2837 JOURNAL OF APPLIED POULTRY RESEARCH 34 4 100607 [7 pp.]

Factor de impacto W.O.S:2.0

[10.1016/j.japr.2025.100607](https://doi.org/10.1016/j.japr.2025.100607)

Evaluating DAPI stain to assess sperm membrane integrity by flow cytometry in livestock species

Martínez-Rodrigo, Lydia; Gacem, Sabrina; Brüggemann, Maren; Pinto, Sandra; Mocé, Eva; Serrano-Jara, Daniel; García, M. Luz; **Yániz, Jesús L.**; Silvestre, Miguel A.

5520 Veterinary Research Communications 49 357 [13 pp.]

Factor de impacto W.O.S: 2.0

[10.1007/s11259-025-10948-w](https://doi.org/10.1007/s11259-025-10948-w)

From spermatogenesis to fertilisation: the role of melatonin on ram spermatozoa

Casao, Adriana; **Peña-Delgado, Victoria**; **Pérez-Pe, Rosaura**

1590 Domestic Animal Endocrinology 91 106916 [8 pp.]

Factor de impacto W.O.S.: 1.9

[10.1016/j.domaniend.2025.106916](https://doi.org/10.1016/j.domaniend.2025.106916)

Characterizing grazing and terrain use patterns of Hispano-Breton mares in the Spanish Pyrenees using <scp>GPS</scp> devices and remote sensing data

Plaza, J.; Sánchez, N.; **Abecia, J.A.**; Nieto, J.; **Canto, F.**; Pérez-García, M.E.; Palacios, C.

691 Australian Veterinary Journal [8 pp.]

Factor de impacto W.O.S.: 1.7

[10.1111/avj.70014](https://doi.org/10.1111/avj.70014)

Effects of rearing system, sex, and age on locomotor activity and circadian rhythms in lambs

Abecia, José-Alfonso; Canto, Francisco

1185 CHRONOBIOLOGY INTERNATIONAL 01-jul

Factor de impacto W.O.S.: 1.7

[10.1080/07420528.2025.2607546](https://doi.org/10.1080/07420528.2025.2607546)

Body temperature and heart rate variability, and their circadian rhythms in sheep as measured by biologgers

Abecia, José A.; **Canto, Francisco**; Plaza, Javier; Nieto, Jaime; Palacios, Carlos

5174 Small Ruminant Research 243 107429 [7 pp.]

Factor de impacto W.O.S.: 1.6

[10.1016/j.smallrumres.2024.107429](https://doi.org/10.1016/j.smallrumres.2024.107429)

Assessment of sexual activity in rams stimulated with artificial light and its impact on unstimulated rams during the initial 14 days of male effect

Pérez-García, Elena; Nieto, Jaime; **Abecia, José Alfonso**; Plaza, Javier; Palacios, Carlos

5174 Small Ruminant Research 107679

Factor de impacto W.O.S.: 1.4 [10.1016/j.smallrumres.2025.107679](https://doi.org/10.1016/j.smallrumres.2025.107679)

Understanding the human-cattle relationship in mountain cow-calf systems: Insights from Spanish farmers

Estévez-Moreno, Laura X; María, Gustavo A; **Santolaria, Pilar**; Villarroel, Morris; Miranda-de la Lama, Genaro C

370 ANIMAL WELFARE 34 11 pp.

Factor de impacto W.O.S.: 1.4

[10.1017/awf.2025.10012](https://doi.org/10.1017/awf.2025.10012)

Effects of exogenous melatonin in pregnant ewes on offspring performance, live weight and daily growth rate of lambs for fattening, as well as milk quality

Abecia, J. A.; Espés, E.; Jiménez, S.; **Canto, F.**

30902 Animal Production Science 65 6

Factor de impacto W.O.S.: 1.3

[10.1071/AN24116](https://doi.org/10.1071/AN24116)

Melatonin implants in late pregnancy increase yield and enhance milk quality in dairy goats
Canto, Francisco; Peña-Delgado, Victoria; Noya, Agustí; Manenti, Isabella; **Abecia, José Alfonso**

993 CANADIAN JOURNAL OF ANIMAL SCIENCE 105 33-62

Factor de impacto W.O.S.: 1.2

[10.1139/cjas-2023-0123](https://doi.org/10.1139/cjas-2023-0123)

Estimación de la conducta de ingesta de concentrado en un cebadero de corderos utilizando sensores de proximidad

Abecia, Jose Alfonso; Erden, Pelin; **Canto, Francisco**

12236 ITEA Información Técnica Económica Agraria 121 1 56-68

Factor de impacto W.O.S.: 0.4

[10.12706/itea.2024.017](https://doi.org/10.12706/itea.2024.017)

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Weaning reduces body temperature and heart rate, and increases heart rate variability in ewes

Abecia, José A.; Canto, Francisco; Viola, Irene; Manenti, Isabella; Toschi, Paola; Miretti, Silvia
61213 Smart agricultural technology 10 100869 [7 pp.]
[10.1016/j.atech.2025.100869](https://doi.org/10.1016/j.atech.2025.100869)

Drinking frequency and locomotor activity of cows and calves as measured by triaxial accelerometers and proximity loggers

Abecia, José-Alfonso; Torre, Ignacio
37308 Journal of Animal Behaviour and Biometeorology 13 4 2025030 [7 pp.]
[10.31893/jabb.20250300](https://doi.org/10.31893/jabb.20250300).

Locomotor activity and proximity relationships of nursing cows and their calves

Abecia, José-Alfonso; Canto, Francisco; Palacios, Carlos; Nieto, Jaime; Plaza, Javier; Pérez García, Elena ; Torre, Ignacio
37308 Journal of Animal Behaviour and Biometeorology 13 2 2025018 [8pp.]
[10.31893/jabb.2025018](https://doi.org/10.31893/jabb.2025018)