

## Contents

### Review articles

1. Przemysław DOBOSZEWSKI, Daniel DOKTÓR, Zbigniew JAWORSKI, Roman KALSKI, Gabriela KULAKOWSKA, Jacek LOJEK, Dariusz PŁACHOCKI, Andrzej RYŚ, Agnieszka TYLKOWSKA, Adam ZBYRYT, Aleksandra GÓRECKA-BRUZDA – Konik polski horses as a mean of biodiversity maintenance in post-agricultural and forest areas: an overview of Polish experiences – a review . . . . . 331
2. Juan Carlos CARMONA-HERNÁNDEZ, Jaime ÁNGEL-ISAZA, Clara Helena GONZÁLEZ-CORREA, William NARVÁEZ-SOLARTE – Anti-inflammatory effects of flavonoids evaluated in murine models: a descriptive review – a review . . . . . 349
3. Sylwia PROCHOWSKA, Wojciech NIŻAŃSKI, Agnieszka PARTYKA, Joanna KOCHAN, Wiesława MŁODAWSKA, Agnieszka NOWAK, Anna MIGDAŁ, Józef SKOTNICKI, Teresa GREGA, Marcin PAŁYS – Selected methods of *in vitro* embryo production in felids – a review . . . . . 361

### Original articles

1. Lorella GIULIOTTI, Maria Novella BENVENUTI, Olga LAI, Pier Attilio ACCORSI, Marco RIZZUTO, Claudia LOTTI, Carmen Adele PETRULLI, Andrea MARTINI – Welfare parameters in dairy cows reared in tie-stall and open-stall housing systems . . . . . 379
2. Kamila PUPPEL, Paweł SOLARCZYK, Beata KUCZYŃSKA, Beata MADRAS-MAJEWSKA – Oleic acid as a biomarker for early diagnosis of elevated blood levels of non-esterified fatty acids and  $\beta$ -hydroxybutyric acid in the early stages of lactation in high-yielding Polish Holstein cows . . . . . 387
3. Roberto PUGLISI, Valeria BORNAGHI, Alex SEVERGNINI, Roberta VANNI, Marina MONTEDORO, Andrea GALLI – Evaluation of two prototype directional freezing methods and a 2 ml flattened straw for cryopreservation of boar semen . . . . .
4. Mohamed I. EL SABRY, Mariam G. ESHAK, Farid K.R. STINO, Kenneth R. BONDIOLI – Comparing growth, immune and pigmentation related gene expression in three lines of Japanese and wild European quail . . . . . 407

### Short Reports

1. Vilma VALAITIENĖ, Guoda STANYTĖ, Jolita KLEMENTAVIČIŪTĖ, Arūnas JANKAUSKAS – Nutritional value of and element content in meat from various pig breeds . . . . . 419

Full texts are available at: <http://www.ighz.edu.pl/journal>

The journal is covered in the following Thomson Scientific products and services:

- Journal Citation Reports/Science Edition (JCR)
- Science Citation Index Expanded (SciSearch ®)
- Biology Abstracts
- BIOSIS Previews

The journal is also abstracted/indexed in:

- Index Copernicus International ([www.indexcopernicus.com](http://www.indexcopernicus.com))
- CAB ANIMAL BREEDING ABSTRACTS
- POLISH SCIENTIFIC JOURNALS CONTENTS (AGRIC. & BIOL. SCI.) URL address:  
<http://psjc.icm.edu.pl>
- GENETIC ABSTRACTS (Cambridge Scientific Abstracts) – selectively.