

## Contents

### Reviews

1. Gijs A. KLETER, Esther J. KOK – Safety assessment of biotechnology used in animal production, including genetically modified (GM) feed and GM animals – a review . . . . . 105
2. Klaus WIMMERS, Eduard MURANI, Siriluck PONSUKSILI – Pre- and postnatal differential gene expression with relevance for meat and carcass traits in pigs – a review . . . . . 115
3. Eckhard WOLF, Stefan BAUERSACHS – Functional genome research in reproductive biology and biotechnology – a minireview . . . . . 123

### Original papers

1. Jolanta KOMISAREK – Impact of LEP and LEPR gene polymorphisms on functional traits in Polish Holstein-Friesian cattle . . . . . 133
2. Artur JÓŹWIK, Emilia BAGNICKA, Nina STRZALKOWSKA, Anna ŚLIWA-JÓŹWIK, Karina HORBAŃCZUK, Ross G. COOPER, Bożena PYZEL, Józef KRZYŻEWSKI, Artur H. ŚWIERGIEL, Jarosław Olav HORBAŃCZUK – The oxidative status of milking goats after *per os* administration of N-acetylcysteine . . . . . 143
3. Iwona ROZEMPOLSKA-RUCIŃSKA, Grzegorz ZIĘBA, Marek ŁUKASZEWICZ – Service cock only indirectly affects hatchability in laying hens . . . . . 153
4. M.H. YE, J.L. CHEN, G.P. ZHAO, M.Q. ZHENG, J. WEN – Sensitivity and specificity of high-resolution melting analysis in screening unknown SNPs and genotyping a known mutation . . . . . 161
5. Andrzej GUGOLEK, Manfred Oskar LOREK, Tadeusz ROTKIEWICZ, Zofia ROTKIEWICZ, Paweł JANISZEWSKI, Wojciech ZABŁOCKI – Influence of feeding complete dry diets mixed with water on production traits and health status of blue foxes (*Alopex lagopus*) . . . . . 171
6. Bożena WITEK, Ewa OCHWANOWSKA, Artur WRÓBEL, Adam KOŁATAJ – Activity of lysosomal enzymes in the liver and kidneys of mice after morphine administration . . . . . 181