















- broiler chickens. *Biotechnology in Animal Husbandry*. 27(4): 1621-1627.
- [34] Molenaar, R. ; R. Hulet; R. Meijerhof; C. M. Maatjens; B. Kemp and H. van den Brand (2011). High eggshell temperatures during incubation decrease growth performance and increase the incidence of ascites in broiler chickens. *Poultry Science*. 90 :624–632.
- [35] Lourens, A. ; V. D. Brand; R. Meijerhof and B. Kemp (2005). Effect of eggshell temperature during incubation on embryo development, hatchability, and posthatch development. *Poultry Science*. 84:914-320.
- [36] Al-Zhgoul, M. B. ; S. A. H. Dalab; M. M. Ababneh; K. I. Jawasreh; K. A. Al-Busadah and Z. B. Ismail (2013). Thermal manipulation during chicken embryogenesis results in enhanced Hsp70 gene expression and the acquisition of thermotolerance. *Veterinary Science*. 95:502–507.
- [37] Yalçın, S. ; S. Özkan; M. Cabuk; J. Buys; E. Decuypere and P. B. Siegel (2005). Pre- and postnatal conditioning induced thermotolerance on body weight, physiological responses and relative asymmetry of broilers originating from young and old breeder flocks. *Poultry Science*. 84: 967-976.
- [38] Muchacka, R. ; I. Skomorucha; E. Sosnowka-Czajka; G. Formicki; A. Greń and Z. Goc (2012). Effect of elevated air temperature on physiological indicators of broiler chickens of different origin. *Journal of Microbiology, Biotechnology and Food Sciences*. 2(1):378-388.
- [39] Wang, S. and F. W. Edens (1998). Heat conditioning induces heat shock proteins in broiler chickens and turkey poults. *Poultry Science*. 77: 1636-1645.