

Artificial insemination – the method assisting reproduction of birds

S u m m a r y

The significance of artificial insemination in poultry and wild birds' reproduction, related to breeding, technological, veterinary-hygienic and economic aspects, and gene pools preservation is discussed. Three methods of semen collection: dorso-abdominal massage, male stimulation by a female, electro-stimulation and female insemination methods (techniques, frequency and depth of semen deposition in the oviduct) are described. Moreover, the analysis of factors affecting quantitative and qualitative semen traits as well as macroscopic and laboratory methods of semen biological value evaluation are presented.