

CONTENT

CHAPTER 1	11
General Introduction	13
CHAPTER 2	21
Sperm proteins in teleostean and chondrosteian (sturgeon) fishes	23
CHAPTER 3	39
Ice-age endurance: the effects of cryopreservation on proteins of sperm of common carp, <i>Cyprinus carpio</i> L.	41
CHAPTER 4	53
Evaluating the impacts of osmotic and oxidative stress on common carp (<i>Cyprinus carpio</i> , L.) sperm caused by cryopreservation techniques	55
CHAPTER 5	63
Percoll gradient separation of cryopreserved common carp spermatozoa to obtain a fraction with higher motility, velocity and membrane integrity	65
CHAPTER 6	71
General Discussion	73
English Summary	79
Czech Summary	81
Acknowledgements	83
List of Publications	84
Training and Supervision Plan during Study	87
Curriculum Vitae	88