

## CONTENTS

Yu.V. Akulich, Yu.I. Nyashin, R.M. Podgayets, I.A. Dmitrenok (Perm, Russia). The bone tissue remodeling in the proximal femur under the variations of hip joint daily loading history .....	12-23
A.V. Sotin, Yu.V. Akulich, R.M. Podgayets (Perm, Russia). The model of cortical bone tissue adaptive remodeling.....	24-32
N. Krstin, Ch. Dorow, M. Geiger, F.-G. Sander, Y.I. Nyashin, M.Y. Nyashin (Ulm, Germany; Perm, Russia). Structure and functions of the periodontal ligament .....	33-42
K.Ch. Wierzcholski (Gdynia, Poland). A conformal mapping solution of the human bone twisting problem .....	43-58
S.V. Shilko (Gomel, Belarus). Analysis of compliance of biomedical sheeting based on porous materials. Part 2 .....	59-66
S.S. Sliva, I.V. Kondrat'ev, D.V. Kryvets, V.I. Dotsenko, N.A. Korotaev (Taganrog, Rostov, Moscow, Russia). The conception of the computer stabiloanalysers KCK-4 «statokinesimetre-stabilan» development and application in sports and medicine.....	67-72
S.M. Bauer, E.B. Voronkova (Saint-Petersburg, Russia). On the deformation of the lamina cribrosa under intraocular pressure .....	73-82
G.V. Kuznetsov, A.A. Yashin (Tula, Russia). On the geometrical theory of stationary turbulent flow of blood .....	83-87
S.V. Shilko, Yu.G. Kuzminsky, S.P. Salivonchik (Gomel, Belarus). Calculation of pulse wave parameters with account of blood vessel deformation.....	88-94
V.M. Baev (Perm, Russia). Analysis of dependence between the character of alcohol intake by adults and rheologic properties of the whole blood.....	95-100