

CONTENTS

<i>Lokhov V.A., Nyashin Y.I., Kuchumov A.G.</i> (Perm, Russia), <i>Mesnard M.</i> (Bordeaux, France), <i>Gachkevich A.R., Budz S.F., Onyshko A.E.</i> (L'viv, Ukraine). Application of shape memory alloy materials to the dentofacial pathology treatment	7
<i>Logvenkov S.A., Stein A.A.</i> (Moscow, Russia). Compartmental model of water uptake by plant roots with account for cellular level processes	17
<i>Suslov A.A., Ermakov S.F.</i> (Gomel, Belarus), <i>Beletzky A.V.</i> (Minsk, Belarus), <i>Shilko S.V., Nikolaev V.I.</i> (Gomel, Belarus). The role of liquid phase and porous structure of the cartilage in formation of biomechanical properties of the joints. Part 2	31
<i>Zolotukhina L.A.</i> (St. Petersburg, Russia). On the deformation of multilayer of the lamina cribrosa	38
<i>Shchurov V.A., Sazonova N.V., Shchurov I.V.</i> (Kurgan, Russia). A technique to evaluate the biomechanical properties of foot supporting surface soft tissues.....	45
<i>Shchurov V.A., Sazonova N.V., Boutorina N.I.</i> (Kurgan, Russia). Age-related dynamics of the locomotor system functional status in patients with osteoarthritis of the lower limb large joints	50
<i>Kolmogorov S.V.</i> (Archangelsk, Russia). Kinematic and dynamic characteristics of steady-state non-stationary motion of elite swimmers	56
<i>Ivanov D.V., Fomkina O.A.</i> (Saratov, Russia). Determination of mechanical properties of Willis circle arteries.....	71
<i>Tashkinov A.A., Wildemann A.V., Bronnikov V.A.</i> (Perm, Russia). Application of the method of classification trees to predict the level of mobility development of patients with disturbances of motor functions	79
Contents of Volume 12.....	91