

CONTENTS

BIOMEDICAL ASPECTS OF SPORT

Jaroslav Motýčka, Jan Štastný, Hana Lepková, Miloslav Pašek, Michaela Bátorová
Kinematic and dynamic analysis of swimming 2009-2013.....14

Gabriel P. Fife, David M. O'Sullivan, Willy Pieter
Effects of Taekwondo Footpad Protectors on Resultant Linear Acceleration of an Instrumented Head-form.....25

Renata Vařeková, Ivan Vařeka
Are asthmatic children prone to obesity?.....32

Vít Černý, Kateřina Feitová
Influencing postural stability parameters by means of a power yoga exercise programme for students.....36

Martina Bernaciková, Jaroslava Chovancová, Tomáš Kalina
The cost of running on different surfaces in long distance runners.....43

Dagmar Králová, Jan Novotný, Jana Řezaninová
Kinesio taping effect on biceps brachii muscle strength.....51

Michal Kumstát
A current literature review Actual concepts and contemporary scientific interests in sport nutrition.....59

Ondřej Smolka, Michal Kumstát, Iva Hrnčířiková, Martin Sebera
The effect of caffeine administration on endurance performance using the Borg scale..67

SPORT IN THE PERSPECTIVE OF SOCIAL SCIENCES

Emanuel Hurych
The Spirituality of Movement Activities in the Context of Philosophical Kinanthropology.....74

Aleš Sekot
Physical Activities in Czech Society.....83

Faik Ardahan

The Effect of Participating in Official Recreational Activities on Organizational Citizenship, Organizational and Professional Commitment, Life Satisfaction and Achievement Perception.....97

Pavel Král, Stanislav Tripes, Petr Pirožek

Effectiveness of national sport organizations: Applicability and suitability of approaches to measuring effectiveness in the Czech Republic.....109

David Paar

Socio-economical Differences between Hungarian Sport Consumers.....118

Iveta Šimůnková, Viléma Novotná, Jan Chrudimský

Contribution of gymnastic skills to the educational content of physical literacy in elementary school children and youth.....129

Eva Urbánková, Tomáš Augustýn, Vladimír Jůva

The use of information technology in non-formal education and learning of handball coaches.....138

Renáta Východilová, Věra Večeřová, Zora Svobodová, Radka Štreštková

Methodical Materials for Elimination of Language Barriers in Sports Environment: Sports Terminology.....146

QUANTITATIVE AND QUALITATIVE ANALYSIS OF HUMAN MOVEMENT

Vladimír Süss, Petra Pravečková, Bronislav Kračmar, Petra Matošková

The analysis of one-handed overhead throwing.....156

Pavel Korvas, Tomáš Kalina, Radek Musil

Treadmill walking and overground walking – the comparison of selected characteristics.....164

Gabriela Kavalířová, Věra Knappová

Evaluation and Development of Coordination Abilities by Children with Mental Disability.....175

Petra Matošková, Vladimír Süss, Bronislav Kračmar

Differences in the activation of selected muscles throughout a curve with the use of internal stabilizer in handicapped skiing group LW2.....183

Tomáš Vespalec, Martin Zvonař, Josef Pavlík, Jindřich Pavlík
Balance Abilities of Adult Population in Relation to Their Physical Activity.....190

Pavel Vacenovský, Tomáš Vencúrik
Improvement of reaction time through the one semester course of table tennis for non-athlete students.....200

SAFETY IN PHYSICAL EDUCATION, SPORT AND LEISURE ACTIVITIES

Wojciech J. Cynarski
The traditional art of swordmanship and its application today. A case study of one of the Japanese schools.....209

Willy Pieter
Cerebral Concussions in Young and Adult Athletes: Epidemiology and Mechanisms.....217

Alena Pokorná, Renata Východilová, Hana Vrtělová
Wellness Fit Programme at University Sport Centre department.....224

Ivan Uher, Milena Švedová, Rastislav Feč, Alena Buková
Life style and environment influences on body fat in adolescent's population.....232

Zuzana Tulisová
The working conditions and injuries of students as a source of stress of physical education teachers.....241

AGEING AND PHYSICAL ACTIVITY

Jitka Kopřivová, Zuzana Žecová
The effect of exercise intervention on selected functional abilities of seniors.....250

Viléma Novotná, Iveta Šimůnková, Kristina Svobodová
Movement and psycho-social aspects of gymnastic programs for "Golden Age".....257

Patryk Stecz, Józef Kocur
Physical activity, stress, coping and life satisfaction in patients undergoing total hip replacement.....265

SPORTS TRAINING, PROFESSIONAL SPORT

Andrew Thomas, James Goodwin

The influence of modified warm up on 100 m Freestyle swimming performance.....279

Michal Malák

Manipulation with intensity load of elite cross-country skiers during the pre-season period.....287

Michal Mojžiš, Božena Paugschová

Effects of physical load on the dependence between postural stability and shooting performance in biathlon.....295

Marián Uvaček

The comparison of game performance in beach volleyball at the 2012 Olympic Games in the final men and women matches in the selected game activities.....305

Tomáš Vencúrik, Jiří Nykodým

Heart Rate Response to Game Load of Female Basketball Players in Category U19 and Senior Category.....311

MISCELLANEOUS

Jana Nová

The role of the teaching case studies in the sport management education.....319

Ivan Struhár, Lenka Dovrtělová

Implementation of core stability programme for footballers in middle school aged.....328

Petr Vlček

Discourse on curriculum development in physical education, recent development in Europe.....335

Jaroslav Vrbas

Heart rate changeability in representation lessons of physical rate.....344