CONTENTS

SECTION 1. THEORY AND METHODOLOGY OF ATHLETES TRAINING Diagnosis of coordination abilities of athletes (on the example of sports dances)	
Vabalich V. A	6
Features of technical training of basketball players Vasylenko V. V., Gavrych A. L.	. 10
The current state of development of technical training of young football players in accordance with modern conditions of the training process Karpa I. Ya., Okopnyy A. M., Lobasyuk V. S.	. 14
Approaches to differentiating the training process with young football players Kostenko Ye. V., Nikolaienko V. V	. 18
Comparative characteristics of the average rate of successful actions and mistakes of teams in international tournaments Nesterenko N. A., Burdaiev A. K.	. 22
Psychological support of sports activities Osadcha L. A	. 27
Analysis of Ukrainian athletes' performances in the women's singles and doubles events at the 2024 Australian Open in Melbourne Petrenko H. V., Diatlova D. D., Yemelianenko B. S.	.31
Ways to improve the activities of children's and youth sports schools for persons with disabilities Sotnyk Z. G., Kravchuk Ya. I., Hariievskyi Yu. V.	.34
Stages of motivation in sports activities Khomovskyi O. I	.37
SECTION 2. HUMAN HEALTH, FITNESS AND RECREATION, PHYSICAL EDUCATION OF DIFFERENT GROUPS OF POPULATION, PHYSICAL REHABILITATION Influence of physical education forms on motor activity of primary school children in a summer school camp	
Grabyk N. M., Hulka O. V., Hrubar I. Ya.	. 40

Management of the educational and health environment of an educational institution for the formation of a healthy lifestyle Hryhorenko H. V., Hryhorenko D. P., Otechko Ye. M	45
Key characteristics of motives and interests of pupils of senior classes that influence the motivation to engage in physical culture Diedukh M. O., Brychuk M. S., Holodova O. S	49
Creation of adapted zones for recreational swimming for persons with disabilities (from the experience of Spain) Kalytka S. V., Zavatska L. A., Romanova V. I	. 53
Psychological and pedagogical aspects of physical education of younger schoolchildren with autism spectrum disorders Kovtun A. O., Demyanov V. V	. 57
Problems of the development of physical recreation in Ukraine Moroz Yu. M	60
Modern pedagogical technologies in badminton teacher training under the BWF Shuttle Time program Ohnystyi A. V., Ohnysta K. M., Petrytsa P. M	64
The role of physical culture and sports in the orientation of higher education students towards a healthy lifestyle Topchieva H. O	68
Prognostic model of health risks for boys aged 12–15 years Trachuk S. V., Holub V. A., Dovhal V. I	. 72
Behavioral orientations of girls aged 12–15 years in maintaining health Trachuk S. V., Savelieva H. V., Syrotiuk S. M.	76
Modern technologies for improving the level of physical condition of women by recreational aerobics exercise Khomenko I. M., Holovatenko O. M	80
Petanque – a means of physical culture and sports rehabilitation for people with signs of traumatic impact of war events Yudenko O. V., Kolomoyets H. A., Lytvyn L. M	84
SECTION 3. SPORT MEDICINE, PHYSIOLOGY AND BIOCHEMISTRY OF SPORT Validation of resting energy expenditure prediction equations in highly trained female endurance athletes	
Loshkarova Ye. O., Pastukhova V. A	88

Testosterone concentration and maximum oxygen VO _{2max} test in qualified athletes Maidaniuk O. V., Vdovenko N. V., Husarova A. M91
Changes in anthropometric indexes and some biochemical indicators of young athletes 7–10 years old who are engaged indaito-ryu aiki-jujutsu, during the study Shavel Kh. E., Kontsovska S. Ya
SECTION 4. MODERN PROBLEMS OF POPULATION RECOVERY AND WAYS TO SOLVE IT Modern problems of physical training in power structures Kovalchuk R. O., Gnydiuk O. P., Savina A. M
Psychoemotional stress loads as components of adaptation of the organism Kozlovska T. F., Kudriashova T. I., Prokopenko Yu. S103
Physical culture as a means of forming a healthy lifestyle of university students Snizhko Yu. A., Tkhoreva I. V
SECTION 5. MODERN INFORMATION TECHNOLOGIES IN PHYSICAL CULTURE AND SPORTS Study of the feasibility of using a pedaling power sensor in the training of cyclists Gladysh R. I
Modern methodological approaches to management in the system of training athletes Karaulova S. I., Shulika B. Yu., Korolov D. I