

## CONTENTS

### EDITORIAL

- Can gene doping support humans in the confrontation with super humanoid AI?** ..... 49  
Piotr Gronek

### SHORT REVIEW

- Motor and psychological predispositions for playing football** ..... 51  
Paweł Kalinowski, Łukasz Bojkowski, Robert Śliwowski
- Advances in athlete genomics in 2019** ..... 55  
Marlena Szalata, Ryszard Słomski, Štefan Balkó, Iva Balkó

### ORIGINAL ARTICLE

- Back pain in Optimist sailors** ..... 63  
Leszek Kostański, Magdalena Frąckowiak, Barbara Pospieszna
- Technical skills predictive of winning at CEV Volleyball Men's Champions League: identification and importance** ..... 71  
Asterios Patsiaouras, Dimitrios Kokaridas
- Training-induced changes in morphological and motor parameters in female football players** ..... 77  
Andrzej Lewandowski, Helena Krakowiak, Magdalena Kozicka, Wioleta Klimek, Zuzanna Piekorz
- Sport activity in the context of subjective well-being of university students** ..... 85  
Lucia Pašková, Miroslav Sližik, Marie Blahutková, Mirosław Paweł Górny, Ludovít Benedik
- Intensity of physical activity and life satisfaction of physical education teachers** ..... 91  
Klaudia Zusková, Lucia Petričková, Dorota Ortenburger

- NOTES TO AUTHORS ..... 99