

REVIEW

According to the competition for associate professor in professional field 7.6 "Sport" specialty "Sport" (handball) for the needs of the Department of Basketball, Volleyball, Handball at NSA "V. Levski"

The only candidate is assistant prof. Sasho Chanev, PhD

Reviewer: Prof. Ivan Yotov, PhD

I. GENERAL NOTES:

By decision of the Faculty Council of the Faculty of Pedagogy under protocol №9 from 07.12.2021. I was elected an external member of the Scientific Jury in the competition for associate professor in 7.6 Sports, specialty Sports (handball), for the needs of the Department of Basketball, Volleyball, Handball at NSA "V. Levski" announced in SG №96 / 19.11.2021, approved by the Rector №1684 from 15.12.2021. Only one candidate, assistant prof. Sasho Chanev, PhD. With a decision of the scientific jury Protocol 1 from 1.02.2022. I was selected as a reviewer for this competition.

As a reviewer, I found that the materials submitted by the candidate meet the requirements for participation in the competition.

1. PERSONAL DATA OF THE CANDIDATE.

Assistant prof. S. Chanev was born on October 31, 1961. in the village of Ilindentsi, Strumyani municipality. In 1991 graduated from VIF "G. Dimitrov" - now NSA "V. Levski" specialty handball coach and physical education teacher. As a student he participated in the student handball team in a number of national and international competitions. He has won numerous prizes. He is actively involved in research work in the student circle. From 26.04.1994 after winning a competition he started working as an assistant in the handball sector.

In 2018 successfully defended his doctorate on the topic: "Age peculiarities in the development of the specific working capacity of adolescent handball players". He leads a practical and lecture course in UF and TF, as well as specializations at SPD and BF in handball. As a lecturer he is the supervisor of many course and diploma theses. Develops and updates a series of programs in the handball sector. Participates in research projects at NSA "V. Levski", showing an innovative approach and ability to work in a team. As a handball coach at NSA "V. Levski" for teenagers, men and women has significant achievements. He is also

successfully realized as a coach abroad. He is the chairman of the HC at NSA "V. Levski " since 2001. He was a member of the licensing commission at BHF.

He was a member of the Faculty of Teacher Education - two terms. He is now a member of the third term of the Academic Council of the NSA "V. Levski".

2. GENERAL CHARACTERISTICS OF THE APPLICANT'S SCIENTIFIC PAPERS.

A general list of publications (16 and an abstract of a dissertation, as well as a list of three non-peer-reviewed publications) is presented, divided by criteria:

- Author's abstract of dissertation for awarding the educational and scientific degree "PhD" - (50p.)
- Habilitation thesis-monograph (100p.)
- Three articles in prestigious peer-reviewed and indexed journals, with which the candidate has participated in scientific conferences - (120p)
- Twelve publications and reports published in non-peer-reviewed journals with scientific review or published in edited collective volumes, four of which are independent. - (232,5p.).
- All submitted publications are in the field of handball, belong to the theme of the competition and will be reviewed.
- A reference for the citations is presented, total of 130 points.
- There are no declarations for co-authorship and I accept that in the collective works all co-authors have an equal role.
- A reference for participation in research projects, supervision of graduates and awards received from international sports competitions is presented – 140 points.

3. ANALYSIS OF SCIENTIFIC AND SCIENTIFICALLY APPLIED CONTRIBUTIONS.

I divide the publications into four thematic groups, and the monographic work will be analyzed separately, as the separate chapters have a certain relation to the separate thematic groups.

1. Anthropometric characteristics of handball players
2. Technical and tactical training of handball players
3. Optimizing the physical development and capacity of adolescent handball players
4. Psychological training of handball players

The first group includes publications: [G1] [7] aimed at studying the anthropometric characteristics of handball players, which reveal the specific features of the body proportions of elite handball players and 17-year-old boys. Four factors are derived through the applied factor analysis: 1. Body circumferences and structure; 2. Proportionality of the body; 3. Vital capacity; 4. Strength of the upper limbs. In boys, 10 tests were used, calculating BMI and upper limb strength. I evaluate the obtained results as significant. They can be used to optimize selection.

The second group of publications includes: [1] [2] [D2] [5] [8]

The most important scientific results in this in this group of works are the following:

- The topic is modern and promising and concerns the structure of the game in attack.
- With the help of factor analysis, the main factors of the game in attack in men and women are derived.
- The specific technical and tactical readiness of adolescent handball players (17-19 years old) has been established.
- On the basis of a co-authored experimental instrumental methodology, the speed of the ball and the accuracy of the hit and throwing in the door were studied.

The first subgroup examines the structure of the attacking game. In [1] [2] a comparative analysis of the teams from the Republic of Bulgaria and the teams from the world elite in handball was made in five directions: structure of the attacking game; completion of attacks by zones; final passes; activity and efficiency of the various shots on goal; mistakes made; Comparative and factor analysis is applied. Results show a significant lag of the Bulgarian teams from the world standards. Factor analysis reveals the main factors in attack and their importance for achieving higher sports results.

In [2] the candidate studied the technical and tactical readiness of 101 athletes from elite teams in Greece. Of particular interest is the factor analysis used. There are six main factors: the ability to quickly perform various shots on goal; ability to move on the field with a dribble; ability to move in defense; accuracy of shots; speed of execution of shots; strength abilities of the competitors and long throwing technique;

I appreciate the interesting conclusions for handball practice. The idea of improving the training process is interesting.

In [8] there is a current study on the technical and tactical training of adolescent handball players aged 17-19 years. The test battery used includes six main features. Variation analysis and hypothesis testing using Student's t test were used in data processing. The results of the

study show that with increasing age, the differences in the effectiveness of 7m increase. throwing. Significant differences are observed in the three ages when leading the ball with a dribble, and the performance of throwing a long distance. I accept the approach used as useful for differentiating training in technical skills and habits.

In [5] the development of an experimental system for registration of the speed and accuracy of hits in shots in the handball game is presented. From point of view of the throw the author has identified four factors: tactical; positional; kinematic; target; which are the basis of effective control of technical training and speed and power qualities. The system consists of three submodules, the third module is implemented with an application software program. The instantaneous throwing speeds and the accuracy of the hit are measured. The data is stored and can be processed statistically. The results of this experiment provide an objective basis for new methodological solutions and specific models for shooting in areas with and without counteraction in conditions as close as possible to the game environment.

The third group includes: [D3] [4] [6] [9] [10] [12] From the comparative analysis of the age groups of women, 17-19 years old handball players and 18 years old students shows the differentiated approach of the authors in the guidelines for trainers on methods of training and developing physical qualities.

For women- [10] nine sports-pedagogical tests are included. which reveal the level of speed, speed and power qualities of the lower and upper limbs and special endurance. The results of the study show that handball players playing in different playing positions differ mainly in terms of speed and dynamic strength abilities, as well as in terms of speed endurance.

Eight sports-pedagogical tests were used among 17-19-year-old handball players [6]. The results show that there are no differences between the average levels of physical fitness at 17-18 years handball players with the exception of the explosive power of the abdominal muscles, which is at a significantly higher level in 18-year-old boys. At 19 yrs. there is superiority in individual indicators, especially in the explosive force of the lower limbs in rebounds and movement on the ground.

In [9] and [D3] assistant prof. S. Chaney on the basis of factor analysis reveals the structure of physical development, special physical and specific technical and tactical training of 18-year-old handball players. The factor structure is composed of 10 main factors, which explain 84.90% of the initial variance of physical development and specific performance. The first important factor is defined as "morphological" (related to the linear dimensions of the body), the second as special physical readiness "(determines the explosive force, speed endurance and special speed) and the third is also "morphological", but reveals the importance of the circumference of the chest.

An important element for the optimization of the training process is the introduction by the author of a regulatory framework for control in 17-19 handball players. The contingent of research is 115 handball players aged 17-19. Variation and sigma estimation methods were used.

In [4] a comparative analysis is made between the levels of the main features of the specific working capacity of 14-year-old basketball players and handball players.

The results of a study of physical capacity in [12] at 18 years students in physical education classes reveal their level of physical condition. The assessment of the 11th grade students outlines the guidelines for optimizing the learning process in physical education and sports in this set.

In [11] and [G3] the results of a study of some psychological features and qualities in 17-19 years old handball players are presented. The variability of blood pressure in an experimental model of competitive stress in handball was also studied.

In [11] a new approach for optimizing psychological training through the use of coordination-motor test and a modified version of Schulte's methodology was proposed. Through the applied ascertaining psychological experiment the author proves that, in general, no significant differences were observed between the studied age groups in terms of the parameters of mental qualities. The only exception refers to the significantly higher level of development of concentration, distribution and flexibility of attention of 18-19 years compared to 17 years handball players.

In [D3] there is a useful study on the variability of blood pressure in an experimental model of competitive stress in handball. The high informative value of the Havg indicator is confirmed by the significant negative correlation between Havg, SDNN (standard deviation of the intervals from normal to normal) and rMSSD (mean square of the consecutive differences). The authors prove that the most informative indicator for accurate assessment of emotional stress is blood pressure at 7 m. throwing.

The presented monographic work [B.3] is structured in three main sections.

In the first section (Features of selection in handball) the author has correctly focused on building a selection system, as it is the basis for achieving high sports achievements.

The selection is considered as a multifaceted sports-pedagogical and medical procedure consisting of three sub-systems: sports orientation; current selection and formation of a team for participation in competitions. The main factors of heredity and the external environment are considered. For the first time, an original test battery of eight sports-pedagogical tests has been proposed, which is for the needs of the final selection.

In the second section (Model characteristics of the modern handball player) the problems for the structural construction of the teams and the correct orientation of the players by playing position are considered. The candidate also uses data from other researchers, a fact that reveals his broad horizons regarding the study of such studies and his ability to transplant them into his research.

Studies have been made that reveal the dynamics of development of the general anthropometric profile of Bulgarian handball players in terms of age. Models of the somatotype of the players in the game post are also presented, and studies of a number of prominent specialists have been used.

Of particular interest is the analysis of the revealed factor structures and the identified main factors of 17, 18 and 19 years. Bulgarian handball players, which allows the author to build models of anthropometric characteristics; motor skills and physical qualities.

In the third section the peculiarities of the game activity and the competitive realization of the handball teams are considered. Author's methodologies were used to register the information. The results of the factor analysis are very valuable, as they reveal the structure of the game efficiency of the teams from the world elite and of the Bulgarian teams. The data obtained are in three directions: attacking game (type of attacks and effectiveness of shots on goal); final phase of the attack (efficiency of quick attack and extended counterattack); technical and tactical mastery in attack (total number of strikes and efficiency of 7m. throw). The analysis made and the developed model characteristics regarding the game of the Bulgarian teams in terms of age is appropriate and useful for sports practice.

4. RELEVANCE OF THE SCIENTIFIC AND APPLIED CONTRIBUTIONS:

- The main morphological features, motor skills and qualities of the modern handball player are revealed.
- The factor structure of the physical development and the specific working capacity of 17, 18 and 19 handball players, who are a reserve for high sportsmanship, have been revealed.
- For the first time in Bulgaria a regulatory framework has been developed for control and optimization of the sports training of 17-19 handball players.
- Model characteristics have been developed to optimize the game efficiency in the different phases of the game in attack in the age aspect.
- A system for registration and statistics of registration and statistics of speed and accuracy in throwing in handball has been developed and tested in practice in order to improve the management of the training process.
- An assessment of stress reactions in handball players was made using various stressors (refereeing errors, audience, etc.). HRavg (average blood pressure) has been shown to be the most informative for accurate assessment of emotional stress.

5. CITATIONS OF HIS WORKS.

The citations of his works many times exceed the requirement for an associate professor.

They are presented in three groups:

- Citations in international publications, referenced and indexed- 1
- Citations in monographs and volumes with scientific review- 7
- Citations or reviews in unreviewed journals-12

CONCLUSION:

Assistant prof. Sasho Chanev, PhD is an established and erudite specialist in the field of handball. He enjoys authority in the academic community. He is distinguished by his depth and activity to the current scientific problems in the field of theory and practice of handball.

The subject of the publications is in accordance with the subject of the announced competition. The scientific and pedagogical activity of the candidate and the presented scientometric data fully satisfy the requirements of the Law for the development of the academic staff in the Republic of Bulgaria, the Regulations for its application, as well as the Regulations of the NSA.

No reports of plagiarism have been reported and no such cases have been identified.

All this gives me reason with full conviction in the scientific and pedagogical merits of Sasho Chanev - Assistant prof. in the Department of Basketball, Volleyball, Handball to propose to the Distinguished Members of the Scientific Jury to be elected "Associate Professor" in the professional field 7.6. Sports, specialty "Sports" (handball).

Sofia

19.02.2022

Reviewer:

Prof. Ivan Yotov, PhD