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Abstract Club coaches, national team coaches, as well as Olympic or Paralympic team coaches are those trainers who use their knowledge, professionalism and experience to lead their trainees to achieve sports results that satisfy athletes as well as coaches and authorities of Polish associations of various sports disciplines practiced by the athletes. A good trainer is the most important person in the coaching team, as they supervise the whole participation of their Olympians or Paralympians. Among the graduates of the Szczecin University’s Physical Education, there are many trainers of various sports disciplines. They are club coaches, national team coaches and they also hold coaching functions at the Summer Olympic and Paralympic Games. The aim of this paper is to: present the university (student) characteristics of the analyzed coaches and a physiotherapist who stand among the potential candidates to be appointed for the coaching and medical staff of their trainees (including the football team) who will fight for qualification standards guaranteeing them participation in the 32nd Summer Olympics or 16th Paralympic Games Tokyo 2020; showing the current coaching activity of the trainers and a physiotherapist in question; presenting the criteria and eligibility rules which the athletes of the coaches and the physiotherapist need to obtain to take part in the Tokyo Olympic or Paralympic competition. The research material consists of six graduates of the University of Szczecin, who majored in Physical Education, and who currently work primarily in the coaching team (Tomasz Kaźmierczak, Jacek Kostrzeba, Tomasz Lewandowski, Grzegorz Musztafaga, Miłosz Stępiński) and the medical/therapeutic team (Beata Buryta). All of the analyzed graduates of the University of Szczecin are among the trainers and physiotherapists who are candidates for the Polish national team for the 32nd Olympic Games or the 16th Paralympics Games Tokyo 2020. Tomasz Kaźmierczak – he will definitely be present for the fourth time at the Summer Games Tokyo 2020 as a coach for disabled rowers (previous participations in 2008, 2012, and 2016). The trainees of the coaches in question (except for the football team) can be included into the Polish team participating in the Summer Games Tokyo 2020 and at least compete in finals during the Olympic or Paralympic competition.

Key words graduates, trainers, coaches, games: Olympic Games, Paralympic Games, University of Szczecin, Faculty of Physical Culture and Health Promotion
Introduction

Each athlete hopes to be drafted for the national team and represent their country at competitions of various international ranks. Only few – the very best athletes – meet the qualification standards that guarantee a spot in the Polish national team that participates in the Summer Olympic or Paralympic Games. Every participant of this biggest sporting event held every fourth year strives to achieve the best possible result to secure a place in the finals and win the coveted medal.

Club coaches, national team coaches, as well as Olympic or Paralympic team coaches are those trainers who use their knowledge, professionalism and experience to lead their trainees to achieve sports results that satisfy athletes as well as coaches and authorities of Polish associations of various sports disciplines practiced by the athletes. A good trainer is the most important person in the coaching team, as they supervise the whole participation of their Olympians or Paralympians.

It must be emphasized that the Polish national team for the Summer Olympic or Paralympic Games includes not only the athletes, but also (-Iwaniszewska, 2012):

- the team management (e.g. President of the Polish Olympic Committee – President of the Polish Olympic Team, President of the Polish Paralympic Committee),
- Olympic mission (e.g. Head of Mission, press attaché),
- medical mission (e.g. Head of Mission, doctors, physiotherapy coordinator, psychologist coordinator),
- team guests (e.g. Minister of Sport and Tourism).

The national team also includes coaches: club trainers, national team trainers, as well as trainers of particular sports association. For example, rowing is one of Olympic disciplines with many athletes taking part in a number of competitions. For this reason, the Polish Association of Rowing Societies appoints several trainers, doctors and physiotherapists (www.olimpijski.pl).

Among the graduates of the Szczecin University, Faculty of Physical Education, there are many trainers of various sports disciplines (Buryta, Stefanik, 2010; Eider, 2005; Florkiewicz, Fogtman, 2004; Iwińska, Iwiński, Wesolowska, 2014; Kotarska, 2006; Krupiecki, 2006; Stefanik, 2006, 2014). They are club coaches, national team coaches and they also hold coaching functions at the Summer Olympic and Paralympic Games. So far, the greatest coaching achievements may be attributed to dr Krzysztof Krupiecki, a graduate of the Faculty of Physical Education of the Pedagogical University in Szczecin (in 1976), who “... in 1990–2012 was a coach of Marek Kolbowicz, 5-time Olympian (Atlanta 1996, Sydney 2000, Athens 2004, Beijing 2008, London 2012), gold medalist of the Beijing Olympic Games, four-time world champion (Gifu 2005, Eton 2006, Munich 2007, Poznań 2009) and European champion (Montemor-o-Velho 2010)...” (Eider, Eider, 2017, p. 76). Krupiecki, as a trainer/coordinator of disabled rowers, led them to scored rank at the Paralympic Games, as well as to winning many medals at the world championships held on the rowing ergometer. Details of the coaching achievements of Krzysztof Krupiecki are presented in other studies (Eider, 2005; Eider, Eider, 2017).

Among the current employees of the Faculty of Physical Culture and Health Promotion of the University of Szczecin (WKFIPZ US) and graduates of the university’s Institute of Physical Culture are club coaches, national team coaches, and a physiotherapist, who are among the candidates for the Polish team for the 32nd Olympic Games or the 16th Paralympic Games Tokyo 2020.

The purpose of this paper is:
1. To present the university (student) characteristics of the analyzed coaches and physiotherapists who stand among the potential candidates to appoint to be appointed for the coaching and medical staff of their trainees (including the football team) who fight for qualification standards guaranteeing them participation in the 32nd Summer Olympics or 16th Paralympic Games Tokyo 2020.

2. To show the current coaching activity of the trainers and physiotherapist in question.

3. To present the criteria and eligibility rules which the athletes of the coaches and the physiotherapist need to obtain to take part in the Tokyo Olympic or Paralympic competition.

4. To continue research in the field of broadly defined Olympism and Paralympism, including the participation of graduates of the University of Szczecin’s Physical Education in the Summer Olympic or Paralympic Games.

**Materials and methods**

The research material consists of six graduates of the University of Szczecin, who majored in Physical Education, and who currently work primarily in the coaching team (Tomasz Kaźmierczak, Jacek Kostrzeba, Tomasz Lewandowski, Grzegorz Musztafaga, Miłosz Stępiński) and the medical/therapeutic team (Beata Buryta) (Table 1). Except for Jacek Kostrzeba, all of them are graduates of the Institute of Physical Culture of the Faculty of Natural Sciences of the University of Szczecin (IKF WNP US), which was transformed into the Faculty of Physical Culture and Health Promotion in 2011 (Eider, 2017). Trainer Jacek Kostrzeba is a graduate of the Institute of Physical Culture of the University of Szczecin, which operated as a faculty until 1992 (from October 1, 1992 it was included into structures of the WNP). It must be noted that dr Miłosz Stępiński i mgr Beata Buryta are researchers and teachers employed by Faculty of Physical Culture and Health Promotion at the University of Szczecin (Dokumentacja, 2019). Master’s theses of the discussed trainers are closely related to the sports discipline they train, as well as to physiotherapy (Beata Buryta) (Table 1).

**Table 1.** Research material – coaching team, medical team (training supervisors), as of 31 May 2019

<table>
<thead>
<tr>
<th>First name and surname</th>
<th>Age</th>
<th>Sports discipline</th>
<th>A graduate of which university unit</th>
<th>Subject of the defended Master’s thesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tomasz Kaźmierczak</td>
<td>42</td>
<td>Rowing (disabled)</td>
<td>IKF WNP US</td>
<td>Dynamics of rowers’ performance indicators in the annual training cycle</td>
</tr>
<tr>
<td>Jacek Kostrzeba</td>
<td>53</td>
<td>Athletics</td>
<td>IKF US</td>
<td>Athletes’ maximum oxygen consumption depending on age and sport preparation in medium distance competitions</td>
</tr>
<tr>
<td>Tomasz Lewandowski</td>
<td>38</td>
<td>Athletics</td>
<td>IKF WNP US</td>
<td>Optimization of physical loads in boys aged 16–17 in middle-distance running</td>
</tr>
<tr>
<td>Grzegorz Musztafaga</td>
<td>46</td>
<td>Swimming (disabled)</td>
<td>IKF WNP US</td>
<td>An attempt to use the Cooper test to assess physical performance of junior competitive swimmers</td>
</tr>
<tr>
<td>Miłosz Stępiński</td>
<td>44</td>
<td>Football</td>
<td>IKF WNP US</td>
<td>The impact of initial training on the development of motor skills and the effectiveness of football technique teaching in boys aged 11–13</td>
</tr>
<tr>
<td>Beata Buryta</td>
<td>44</td>
<td>Rowing (disabled)</td>
<td>IKF WNP US</td>
<td>Comparison of motor skills of children with posture defects and mental retardation against healthy children in the Połczyn Zdrój spa</td>
</tr>
</tbody>
</table>

Source: Dokumentacja (2019).
The analyzed research material was obtained primarily from the archival documentation of WKFiPZ US, written and oral reports by the analyzed trainers and the physiotherapist, from author’s (co-author’s) reviews of the author of this publication and www.wikipedia.pl, www.olimpijski.pl, www.paralympic.org.pl, www.pzla.pl.

The collection of materials for this study was completed on May 31, 2019. The author is aware of the fact that this study may not include other graduates of Szczecin University Physical Education faculty, who may perform various functions in coaching, medical and other teams, and are among the candidates for the Summer Olympic or Paralympic Games Tokyo 2020. It may solely be caused by incomplete knowledge of the author of this article.

Results

The discussed group includes trainers with qualifications in four sport disciplines: athletics, football, swimming, and rowing (Table 2). The highest coaching class is held by: Tomasz Lewandowski – Masters Class, and dr Miłosz Stępiński – UEFA PRO. Among the analyzed trainers, three of them – Jacek Kostrzeba, Tomasz Lewandowski and Miłosz Stępiński – are trainers of Olympic disciplines (athletics, men's and women's football). The other two trainers – Tomasz Kaźmierczak and Grzegorz Musztafaga – work with disabled athletes in Paralympic disciplines (rowing, sports swimming). All the trainers listed in Table 2 were or are coaches of: the national team, the Olympic/Paralympic Polish team in their sports disciplines (competitions) (Kaźmierczak, 2019a; Krupecki, 2019; Kostrzeba, 2019; Musztafaga, 2019; Stępiński, 2019a).

Tomasz Kaźmierczak was the main coach of the Polish national team of disabled rowers at the Summer Games in Beijing 2008, London 2012, and Rio de Janeiro 2016 (Table 3). Rowing has been a Paralympic discipline since 2008, and it is practiced in Poland, e.g. at the Klub Sportowy Inwalidów START in Szczecin. Kaźmierczak’s trainees have also won many medals at the World and European Championships on a rowing ergometer (Kaźmierczak, 2019a).

Tomasz Lewandowski is the second trainer in terms of participation in the Summer Games so far (Table 3). He is the older brother and trainer of Marcin Lewandowski – a titled athlete in the 800 m and 1,500 m run (Lewandowski, 2019a, 2019b; Przegląd, 2016). He participated in 30th and 31st Olympic Games in London 2012 and Rio de Janeiro 2016. He coached endurance run athletes, including Marcin Lewandowski. It should be noted that Tomasz Lewandowski did not participate in the Olympic Games in Beijing 2008, but was preparing his brother Marcin for the Olympic start in the 800 m race (Lewandowski, 2019b).

Table 2. Trainers’ characteristics

<table>
<thead>
<tr>
<th>First and last name</th>
<th>Sports discipline</th>
<th>Currently held coaching class</th>
<th>Year of obtaining that coaching class</th>
<th>Current sports club</th>
<th>National team coach; representation coach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tomasz Kaźmierczak</td>
<td>Rowing</td>
<td>second</td>
<td>2010</td>
<td>KSI “Start” Szczecin</td>
<td>National team coach; Paralympic team</td>
</tr>
<tr>
<td>Jacek Kostrzeba</td>
<td>Athletics</td>
<td>second</td>
<td>2002</td>
<td>UKS Barnim Goleniów</td>
<td>National team: cross-country running; Olympic representation in cross-country running</td>
</tr>
<tr>
<td>Tomasz Lewandowski</td>
<td>Athletics</td>
<td>Master</td>
<td>2013</td>
<td>–</td>
<td>National team: youth, juniors, seniors; Olympic team in endurance runs</td>
</tr>
<tr>
<td>Grzegorz Musztafaga</td>
<td>Swimming</td>
<td>second</td>
<td>2004</td>
<td>KSI “Start” Szczecin</td>
<td>–</td>
</tr>
<tr>
<td>Miłosz Stępiński</td>
<td>Football</td>
<td>First, UEFA A, UEFA PRO</td>
<td>2008, 2012, 2018</td>
<td>–</td>
<td>U19 team coach; Polish women A team coach</td>
</tr>
</tbody>
</table>

Source: Kaźmierczak (2019a, 2019b); Kostrzeba (2019); Lewandowski (2019a, 2019b); Musztafaga (2019); Stępiński (2019a, 2019b).
Table 3. Participation of trainers and a physiotherapist in the Summer Olympic and Paralympic Games – sports achievements of their trainees

<table>
<thead>
<tr>
<th>First and last name</th>
<th>Discipline of trainees</th>
<th>Beijing 2008</th>
<th>London 2012</th>
<th>Rio de Janeiro 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>name of trainee(s)</td>
<td>sport competition</td>
<td>rank</td>
</tr>
<tr>
<td>Tomasz Kaźmierczak</td>
<td>Rowing (disabled)</td>
<td>Jolanta Pawlak, Piotr Majka Martyna Snopek</td>
<td>TA2x ASW1x</td>
<td>6th</td>
</tr>
<tr>
<td>Jacek Kostrzeba</td>
<td>Athletics</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Tomasz Lewandowski</td>
<td>Athletics</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Grzegorz Musztafaga</td>
<td>Swimming (disabled)</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Młosz Stępiński</td>
<td>Football, men, women</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Beata Buryta</td>
<td>Rowing (disabled)</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Source: Kaźmierczak (2019a, 2019b); Lewandowski (2019a); Maniak-Iwaniszewska (2012); Musztafaga (2019); Stępiński (2019b); Woźniak (2019b); www.wikipedia.pl.
The 31st Olympic Games in Rio de Janeiro 2016 were also attended by Jacek Kostrzeba, who was the coach of the Polish national team of cross-country runners. One of them was Krystian Zalewski from UKS Barnim Goleniów, who took the 27th place in the 3,000-meter steeplechase (www.olimpijski.pl; Kostrzeba, 2019).

Among the remaining coaches, only Grzegorz Musztafaga participated in the Summer Games London 2012 (Table 3). His trainee, swimmer from the KSI “Start” Szczecin, Paulina Woźniak won a bronze medal in the 100 m breaststroke competition. As a club coach, Grzegorz Musztafaga prepared Paulina Woźniak for the Paralympic competitions in Beijing 2008 and Rio de Janeiro 2016. In Beijing, she won a silver medal, also in the 100 m breaststroke competition (Musztafaga, 2019; Woźniak, 2019a).

One of the discussed coaches, Miłosz Stępiński, has not participated in any Summer Olympic Games as a coach. He has played various training roles, such as a coach of the Polish U19–U21 national teams. From December 2018, he has worked as an analyst coach in the staff of the U21 men’s Polish national team. He will participate in the U21 European Championships, which will take place in June 16–30, 2019 in Italy and San Marino. These championships serve also as qualifications (for teams ranked 1–4) for the Olympic Games in Tokyo. It should be particularly noted that since 2016 Miłosz Stępiński has also been the first coach of the Polish A women’s national team (Stępiński, 2019a).

Beata Buryta has been cooperating since 2010 “…with disabled athletes from KSI “Start” Szczecin as a physiotherapist and masseuse” (Eider, Eider, 2017, p. 68). She worked in this capacity with disabled rowers at the 15th Paralympics in Rio de Janeiro 2016 (Buryta, 2019).

Discussion

A good trainer is one who has significant professional achievements. Their trainees get appointed to the national team, Olympic or Paralympic team. They win medals at Olympic Games, World Championships, European Championships, national championships, etc. A good trainer constantly improves their coaching qualifications through e.g. participation in various domestic and international workshops. A good coach actively participates in specialist conferences and scientific symposia. S/he gets acquainted with professional literature on modern teaching methods in their discipline/sports competition. A good coach uses the knowledge and advice of scientists involved in research, including motor, physiological, and biochemical studies. Their trainees undergo specific tests in scientific and research institutions. The obtained results – measurements, parameters, quantities, etc. – are analyzed and used to modify the training and starting process of the trained athletes.

An example of a research unit which serves athletes is the Human Structural and Functional Research Center (CBSFC) at the Faculty of Physical Culture and Health Promotion of the University of Szczecin. It includes four laboratories: biochemistry, physiology, genetics and kinesiology. They are all “…equipped with modern research equipment and devices that help conduct specialized scientific research in the field of physical culture, health and medical sciences” (Eider, 2017, p. 54). Many Szczecin coaches, including the national team of able-bodied and disabled athletes (e.g. Tomasz Lewandowski, Tomasz Kaźmierczak) use CBSFC research equipment and devices. Research and teaching staff of the Center work on e.g. specialized research on athletes trained by the discussed coaches.

All of the analyzed trainers and the physiotherapist are among candidates for the 32nd Olympic Games or the 16th Paralympics Games Tokyo 2020. Their trainees and the football team must obtain certain qualification standards (Table 4) to compete in the largest sporting event, which are the Tokyo Games in 2020. The athletes...
list of Table 4 are bound to reach qualifying standards in their respective disciplines and will become the Polish national team members for the Tokyo Summer Games. The qualification standards are quite challenging, but feasible because the athletes represent a high level of Olympic or Paralympic disciplines.

Men’s football team (U21) is in a quite difficult qualifying position. In June, during European Championships 2019, they will compete with the often victorious teams of Spain, Italy and Belgium. Only the semi-finalists are guaranteed to participate in the Tokyo Olympic Games. On June 22, 2019 it will be decided whether Polish football team has obtained qualification standards for the Japanese Games, and trainer Miłosz Stępiński will be on the coaching staff of Czesław Michniewicz – the first U21 trainer (Stępiński, 2019b).

Table 4. Qualifying standards for athletes (trainees)

<table>
<thead>
<tr>
<th>First and last name of the trainer</th>
<th>First and last name of the athlete</th>
<th>Athlete’s sports club</th>
<th>Sports discipline</th>
<th>Competition</th>
<th>Qualification standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tomasz Kaźmierczak</td>
<td>Jolanta Majka, Michal Gadowski</td>
<td>KSI “Start” Szczecin</td>
<td>Rowing (disabled)</td>
<td>TAMix2x (mixed doubles)</td>
<td>World Cup in 2019 – ranks 1–8, Continental qualifications in 2020 – the first two teams</td>
</tr>
<tr>
<td>Jacek Kostrzeba</td>
<td>Krystian Zalewski, Michał Rozmys</td>
<td>UKS Barnim Goleniów</td>
<td>Athletics</td>
<td>3,000-meter steeplechase 800 m</td>
<td>8:22.00, 1:45.20</td>
</tr>
<tr>
<td>Tomasz Lewandowski</td>
<td>Marcin Lewandowski</td>
<td>WKS Zawisza Bydgoszcz</td>
<td>Athletics</td>
<td>1,500 m</td>
<td>3:35.00</td>
</tr>
<tr>
<td>Grzegorz Musztafaga</td>
<td>Paulina Woźniak</td>
<td>KSI “Start” Szczecin</td>
<td>Swimming (disabled)</td>
<td>100 m breaststroke</td>
<td>High ranking at the world list from certain competitions and a limit of places awarded to Poland by IPC Swimming</td>
</tr>
<tr>
<td>Miłosz Stępiński</td>
<td>Polish National Team U21, Polish National Team U21</td>
<td>Polish National Team U21</td>
<td>Men’s football</td>
<td>–</td>
<td>European Championship in 2019 – ranks 1–4</td>
</tr>
</tbody>
</table>

Source: Kaźmierczak (2019a, 2019b); Woźniak (2019a, 2019b); Stępiński (2019a); www.pzla.pl.

To become a coach, a member of a coaching or medical staff in the Olympic or Paralympic team (including a role of a coach of a trainee/-s), certain requirements must be met, which are set by the boards of Polish sports associations; they are approved by the Polish Olympic Committee or the Polish Paralympic Committee (www.olimpijski.pl; www.paralympic.org.pl; www.pzla.pl).

Conclusions

1. All of the analyzed graduates of the University of Szczecin are among the trainers (Tomasz Kaźmierczak, Jacek Kostrzeba, Tomasz Lewandowski, Grzegorz Musztafaga, Miłosz Stępiński) and a physiotherapist (Beata Buryta), who are candidates for the Polish national team for the 32nd Olympic Games or the 16th Paralympics Games Tokyo 2020.

2. Tomasz Kaźmierczak – he will definitely be present for the fourth time at the Summer Games Tokyo 2020 as a coach for disabled rowers (previous participations in 2008, 2012, and 2016).

3. The trainees of the coaches in question (except for the football team) can be included into the Polish team participating in the Summer Games Tokyo 2020 and at least compete in finals during the Olympic or Paralympic competition.
References

Archives

Archival documentation of WKFiPZ US (dean’s office, secretary office) (2019). The Faculty of Physical Culture and Health Promotion at the University of Szczecin.

Printed sources


Written accounts

Kaźmierczak Tomasz, Szczecin, 2019a.
Lewandowski Tomasz, Szczecin, 2019a.
Stępiński Miłosz, Szczecin, 2019a.
Woźniak Paulina, Szczecin, 2019a.

Oral accounts

Buryta Beata, Szczecin, 2019.
Kaźmierczak Tomasz, Szczecin, 2019b.
Kostrzeba Jacek, Szczecin, 2019.
Lewandowski Tomasz, Szczecin, 2019b.
Musztafaga Grzegorz, Szczecin, 2019.
Stępiński Miłosz, Szczecin, 2019b.
Woźniak Paulina, Szczecin, 2019b.

Internet sources
www.wikipedia.pl.
www.olimpijski.pl.
www.paralympic.org.pl.
www.pzla.pl.

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