

Publikacje powstałe we współpracy z Polskim Komitetem Paralimpijskim, z udziałem sportowców i trenerów sportów paralimpijskich.

Rok 2025

1. [Marek, P., Krawczyński, M., Lenartowicz M., et al. \(2025\). The role of the coach developer in the development of sports coaches' competencies. *Journal of Kinesiology and Exercise Sciences*, 35\(109\), 48-57. <https://doi.org/10.5604/01.3001.0054.8538>. 2025](#)
2. Borysiuk Z, Błaszczyzyn M, Piechota K, Akbaş A. Are technical performance differences in wheelchair fencing linked to disability categories? *BMC Sports Sci Med Rehabil*. 2025 Feb 18;17(1):23. doi: 10.1186/s13102-025-01071-z. PMID: 39966920; PMCID: PMC11837433.
3. Błaszczyzyn M, Piechota K, Borysiuk Z, Kręcis K, Zmarły D. Correlation analysis of upper limb muscle activation in the frequency domain in wheelchair fencers. *Front Hum Neurosci*. 2025 Feb 25;19:1523358. doi: 10.3389/fnhum.2025.1523358. PMID: 40070488; PMCID: PMC11893813..

Rok 2024

Darpatova-Hruzewicz D., Marek P., Kamiński K.: An Ecological Investigation of Polish Olympic Coaches' Career Pathways and Their Experiences of Career Transition to Olympic Coaching Roles. *International Sport Coaching Journal* 2024},
url={<https://api.semanticscholar.org/CorpusID:272052017>} }

Rok 2023

4. Gawroński W. Becoming a Paralympic Champion-Analysis of the Morpho-Functional Abilities of a Disabled Female Athlete in Cross-Country Skiing over a 10-Year Period. *Int J Environ Res Public Health*. 2023 Feb 22;20(5):3909. doi: 10.3390/ijerph20053909. PMID: 36900921; PMCID: PMC10001877.
5. Zwierzchowska A, Gawel E, Karpinski J, Maszczyk A, Zebrowska A. The effect of swimming on the body posture, range of motion and musculoskeletal pain in elite para and able-bodied swimmers. *BMC Sports Sci Med Rehabil*. 2023 Sep 25;15(1):122. doi: 10.1186/s13102-023-00734-z. PMID: 37749633; PMCID: PMC10521398.
6. Sawczuk D, Gać P, Poręba R, Poręba M. The Prevalence of Cardiovascular Diseases in Paralympic Athletes. *Healthcare (Basel)*. 2023 Apr 4;11(7):1027. doi: 10.3390/healthcare11071027. PMID: 37046954; PMCID: PMC10094457.
7. Zwierzchowska A, Gawel E, Gómez MA, Żebrowska A. Prediction of injuries, traumas and musculoskeletal pain in elite Olympic and Paralympic volleyball players. *Sci Rep*. 2023 Jul 8;13(1):11064. doi: 10.1038/s41598-023-38112-x. PMID: 37422521; PMCID: PMC10329636

Rok 2022

8. Borysiuk Z, Błaszczyzyn M, Piechota K, Konieczny M, Cynarski WJ. Correlations between the EMG Structure of Movement Patterns and Activity of Postural Muscles in Able-Bodied

- and Wheelchair Fencers. *Sensors (Basel)*. 2022 Dec 23;23(1):135. doi: 10.3390/s23010135. PMID: 36616732; PMCID: PMC9824295.
9. Borysiuk Z, Błaszczyszyn M, Piechota K, Nowicki T. Movement Patterns of Polish National Paralympic Team Wheelchair Fencers with Regard To Muscle Activity and Co-Activation Time. *J Hum Kinet*. 2022 Apr 26;82:223-232. doi: 10.2478/hukin-2022-0064. PMID: 36196343; PMCID: PMC9465737.
 10. Urbański P, Szeliga Ł, Tasiemski T. Impact of COVID-19 pandemic on athletes with disabilities preparing for the Paralympic Games in Tokyo. *BMC Res Notes*. 2021 Jun 14;14(1):233. doi: 10.1186/s13104-021-05646-0. PMID: 34127078; PMCID: PMC8201434. Starczewski M, Zmijewski P, Klusiewicz A. Ważność metod oceny wydajności u elitarnych paracanoistów. *J Hum Kinet*. 2022 Luty 10;81:269-276. doi: 10.2478/hukin-2021-0074. PMID: 35291632; PMCID: PMC8884882.
 11. Urbański PK, Rogoza R, Brewer B, Tasiemski T. Coping with the COVID-19 pandemic by Paralympic athletes preparing for elite sport events: A longitudinal study. *Scand J Med Sci Sports*. 2023 Apr;33(4):512-520. doi: 10.1111/sms.14270. Epub 2022 Nov 30. PMID: 36404127.
 12. Zwierzchowska A, Rosołek B, Sikora M, Celebańska D. Forced Sedentariness and Sports Activity as Factors Differentiating Anthropometric Characteristics, Indices, and Body Composition in People with Disabilities. *Biology (Basel)*. 2022 Jun 13;11(6):906. doi: 10.3390/biology11060906. PMID: 35741427; PMCID: PMC9220221.
 13. Zwierzchowska A, Gawel E, Celebanska D, Rosolek B. Musculoskeletal pain as the effect of internal compensatory mechanisms on structural and functional changes in body build and posture in elite Polish sitting volleyball players. *BMC Sports Sci Med Rehabil*. 2022 Mar 26;14(1):49. doi: 10.1186/s13102-022-00439-9. PMID: 35346336; PMCID: PMC8962485.
 14. Marszałek J, Kosmol A, Morgulec-Adamowicz N, Mróz A, Gryko K, Klavina A, Skucas K, Navia JA, Molik B. Anaerobic Variables As Specific Determinants of Functional Classification in Wheelchair Basketball. *J Hum Kinet*. 2022 Apr 26;82:243-252. doi: 10.2478/hukin-2022-000074. PMID: 36196348; PMCID: PMC9465724.
 15. Starczewski M, Zmijewski P, Klusiewicz A. Ważność metod oceny wydajności u elitarnych paracanoistów. *J Hum Kinet*. 2022 Luty 10;81:269-276. doi: 10.2478/hukin-2021-0074. PMID: 35291632; PMCID: PMC8884882.
 16. Zwierzchowska A, Gawel E, Rosołek B. Determinants of the prevalence and location of musculoskeletal pain in elite Para athletes. *Medicine (Baltimore)*. 2022 Oct 21;101(42):e31268. doi: 10.1097/MD.00000000000031268. PMID: 36281199; PMCID: PMC9592444.

Rok 2021

17. Błaszczyszyn M, Borysiuk Z, Piechota K, Kręcisz K, Zmarzły D. Wavelet coherence as a measure of trunk stabilizer muscle activation in wheelchair fencers. *BMC Sports Sci Med Rehabil*. 2021 Oct 30;13(1):140. doi: 10.1186/s13102-021-00369-y. PMID: 34717749; PMCID: PMC8557511.
18. Krzysztofik M, Matykiewicz P, Celebanska D, Jarosz J, Gawel E, Zwierzchowska A. The Acute Post-Activation Performance Enhancement of the Bench Press Throw in Disabled

- Sitting Volleyball Athletes. *Int J Environ Res Public Health*. 2021 Apr 6;18(7):3818. doi: 10.3390/ijerph18073818. PMID: 33917433; PMCID: PMC8038688.
19. Urbański PK, Brewer BW, Starczewski M, Ng K, Tasiemski T, Tomczak M. Sleep and stress in athletes with disabilities around the 2021 Tokyo Paralympic games during the pandemic. *Sci Rep*. 2025 Feb 25;15(1):6822. doi: 10.1038/s41598-024-80178-8. Erratum in: *Sci Rep*. 2025 Apr 3;15(1):11414. doi: 10.1038/s41598-025-95572-z. PMID: 40000691; PMCID: PMC11862188.
 20. Gawet E, Zwierzchowska A. Effect of Compensatory Mechanisms on Postural Disturbances and Musculoskeletal Pain in Elite Sitting Volleyball Players: Preparation of a Compensatory Intervention. *Int J Environ Res Public Health*. 2021 Sep 26;18(19):10105. doi: 10.3390/ijerph181910105. PMID: 34639407; PMCID: PMC8508345.

Rok 2020

21. Borysiuk Z, Nowicki T, Piechota K, Błaszczyszyn M. Neuromuscular, Perceptual, and Temporal Determinants of Movement Patterns in Wheelchair Fencing: Preliminary Study. *Biomed Res Int*. 2020 May 4;2020:6584832. doi: 10.1155/2020/6584832. PMID: 32462009; PMCID: PMC7222494.
22. Zwierzchowska A, Rosoń B, Celebańska D, Gawlik K, Wójcik M. The Prevalence of Injuries and Traumas in Elite Goalball Players. *Int J Environ Res Public Health*. 2020 Apr 6;17(7):2496. doi: 10.3390/ijerph17072496. PMID: 32268493; PMCID: PMC7177653.
23. Szafraniec R, Kisilewicz A, Kumorek M, Kristiansen M, Madeleine P, Mroczek D. Effects of High-Velocity Strength Training on Movement Velocity and Strength Endurance in Experienced Powerlifters with Cerebral Palsy. *J Hum Kinet*. 2020 Jul 21;73:235-243. doi: 10.2478/hukin-2020-0009. PMID: 32774555; PMCID: PMC7386148.

Rok 2019

24. Klich S, Kisilewicz A, Pożarowski B, Zatoń M, Kawczyński A, Michener LA. Shoulder tendon characteristics in disabled swimmers in high functional classes - Preliminary report. *Phys Ther Sport*. 2019 Jan;35:23-28. doi: 10.1016/j.ptsp.2018.10.017. Epub 2018 Oct 30. PMID: 30414512.
25. Sobiecka J, Plinta R, Kądziołka M, Gawroński W, Kruszelnicki P, Zwierzchowska A. Polish Paralympic Sports in the Opinion of Athletes and Coaches in Retrospective Studies. *Int J Environ Res Public Health*. 2019 Dec 5;16(24):4927. doi: 10.3390/ijerph16244927. PMID: 31817445; PMCID: PMC6950017.
26. Marszałek J, Kosmol A, Morgulec-Adamowicz N, Mróz A, Gryko K, Klavina A, Skucas K, Navia JA, Molik B. Laboratory and Non-laboratory Assessment of Anaerobic Performance of Elite Male Wheelchair Basketball Athletes. *Front Psychol*. 2019 Mar 13;10:514. doi: 10.3389/fpsyg.2019.00514. PMID: 30930816; PMCID: PMC6425866
27. Marszałek J, Gryko K, Kosmol A, Morgulec-Adamowicz N, Mróz A, Molik B. Wheelchair Basketball Competition Heart Rate Profile According to Players' Functional Classification, Tournament Level, Game Type, Game Quarter and Playing Time. *Front Psychol*. 2019 Apr 15;10:773. doi:10.3389/fpsyg.2019.00773. PMID: 31037063; PMCID: PMC6475811.
28. Gawroński W. Maximal oxygen uptake improvement of paralympic champion in cross-country skiing: 10-year follow-up. *J Sports Med Phys Fitness*. 2019 Jul;59(7):1271-1272. doi: 10.23736/S0022-4707.18.09033-3. Epub 2018 Oct 10. PMID: 30317838.