

KAJETAN WINCENY CIUNELIS

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PROFILE

PhD student in sports science (biomechanics) with a background in physiotherapy and ongoing MSc studies in bioethics.

EDUCATION

- PhD in Sports Science (in progress)** 2023 – present
Doctoral School, Jozef Pilsudski University of Physical Education (AWF), Warsaw
Research on wheelchair propulsion kinematics and Paralympic sport classification using IMU sensors
Part of the international Synergy project (GIH Stockholm / Parasportakademin), funded by The Knowledge Foundation
Erasmus exchange at GIH Stockholm (Jan–Jun 2026)
Teaching: Motor learning theory for physiotherapy students at AWF Warsaw (2024/2025)
- MSc in Bioethics (in progress)** 2025 – present
University of Warsaw
- MSc in Physiotherapy** 2020 – 2025
AWF Warsaw
Minister of Science Scholarship for Outstanding Achievements (2024/25)

EXPERIENCE

- Disability Support Assistant** 2019 – 2025
Uniwersytet WIZJA, Warsaw (6 years)
Assisted a student with a vision disability throughout bachelor's and master's studies in programming and computer science

RESEARCH

- Synergy Project – PhD Student** Sep 2023 – present
IMU-based assessment of trunk function in wheelchair athletes across different ergonomic conditions
Multi-site data collection in Poland, Brazil, Belgium, and Sweden with standardised protocols
- Postural Stability Project – MSc Student** Mar 2023 – Dec 2024
AWF Warsaw
Analysed gait stability parameters under induced perturbations; published in Applied Sciences (2024)

TECHNICAL SKILLS

Data analysis: R, Python, MATLAB, Excel, Git,
Research tools: IMU sensor systems (x-IMU3), OpenSim, motion capture data processing

LANGUAGES

English: Fluent
Polish: Native

PUBLICATIONS & AWARDS

- Ciunelis, K., et al. (2024). The Impact of Induced Acceleration Perturbations on Gait Kinematics and Kinetics. Applied Sciences, 14(11), 4849.
1st place, Morecki & Fidelus Award, Biomechanics2025, Polish Society of Biomechanics
Minister of Science Scholarship for Outstanding Achievements (2024/25)
Multiple 1st and 2nd place awards at national scientific conferences (2022–2025)