



# BWF SPORT SCIENCE RESEARCH GRANT 2023/24 Application Form

Please fill in the form in **ENGLISH**

\* Required

1. Application type \*

- Institutional
- Individual

2. Institution's Name \*

3. Institution's Name

4. Researcher's Name \*

(Including title)

5. Position \*

6. Address \*

7. Mobile Phone \*

8. Office Phone

9. Email Address \*

(Please provide only one email address - principal researcher/contact person)

## 10. Research Area \*

- Badminton performance
- Physical activity & well-being
- Injury prevention & medical
- Para badminton / inclusive badminton

## 11. Badminton Performance Research Questions \*

- What are the physical performance characteristics in badminton and the differences between gender and disciplines?
- What are the performance determinants in badminton and the differences between gender and disciplines?
- What are the physical capacity of elite players and the difference in aerobic/anaerobic capacities between genders and disciplines?

## 12. Physical Activity &amp; Well-Being Research Questions \*

- What are the key physical and social benefits of playing badminton recreationally and competitively?
- What are the key physical and social benefits of playing Airbadminton recreationally and competitively?
- What are the physical and social benefits of playing badminton recreationally for youth/older adults?
- What are the physical and social benefits of playing Airbadminton recreationally for youth/older adults?

## 13. Injury Prevention &amp; Medical Research Questions \*

- What can the badminton community do better to reduce injury and enhance performance?
- What are the risk factors that contributes to injuries in youth elite and elite badminton players between genders?

## 14. Para Badminton / Inclusive Badminton Research Questions \*

- What is the optimal wheelchair set-up (seating position, wheel camber, anti-tip, tyre type/pressure) to maximise movement efficiency and force/power output for Para badminton athletes?
- What are the key principles and guidelines for working within different training zones for Para badminton sport classes, to ensure optimal training and replication of match environment?
- What are key Physical testing protocols for each Para badminton sport class?
- What are the principles of physical training for each Para badminton sport classes?
- What are the physical, health and social benefits of "Unified" badminton with Special Olympics athletes?

15. Project Title \*

(It must be short and precise. It should be a single phrase without final point.) - 25 words

16. Synopsis / Summary \*

(Should be comprehensible to the general reader; give a clear statement of the purpose of the paper and provide relevant context to support the basis for the paper and the significance of the work; do not exhaustively review the literature.) - 300 words

17. Description \*

(Research Focus & scope) - 800 words

18. Methodology \*

(Overview must include how participants will be recruited.) - 400 words

**19. Outcomes \***

(how will the outcomes benefit badminton coaches, players, members of the entourage, badminton community?)  
- 300 words

**20. Immediate Impact \***

(How can the result be applied/used for practice in coaching/talent development/other areas?) - 150 words

**21. Importance & Practical Potential Implications \***

(Describe why this research is important to conduct for world badminton.) - 100 words

**22. Implementation & Dissemination \***

(Describe what are the implementation and dissemination plans based on the results of this research project) - 300 words

**23. Proposed journals for publication \***

(The grant recipient will be requested to submit the study to a peer-reviewed journal. Please list up to 3 journals where you intend to publish your study.)

24. Broad Stages / Timeline \*

(Describe the broad staging of the research and timeframes.) - 100 words

25. Key Performance Indicators (KPIs) \*

(Provide bullet point explanation and expected outcomes for reporting on **06 January 2023** and **10 November 2023**.) - 100 words

26. Additional information

(On the research focus relevant to your application. Please also include your previous experience of research in badminton.) - 200 words

27. If the study is connected to a longer-term study through an institution - or as part of post graduate degree work (e.g. Masters or PhD). Please provide details.

28. Total expected cost of this research project (in **USD**) \*

The value must be a number

29. Total funds requested for this application (in **USD**) \*

The value must be a number

30. Have other sources of funding been secured to conduct the project? \*

Yes

No

31. Other sources of funding

32. Estimated amount of other funding(s) (in **USD**)

The value must be a number

33. Are there any partner institutions/organisations for the project? \*

Yes

No

34. Please provide the partner institution/organisation name



35. Would you be interested to collaborate with other researchers / institutions? \*

- Yes
- No
- Maybe

## Declaration

By submitting this form I declare that I....

- have carefully read and followed the instructions when completing the application;
- have read the Request for Proposal guidelines and understand the intent of the BWF Research Grants Programme and the criteria for evaluating applications;
- understand that if my project is selected for a grant, a Research Grant Agreement will need to be signed between the BWF and myself / my institution;
- understand that BWF has the right to publish on the BWF website and other communications platforms the names of successful applicants and to provide a synopsis of the focus and scope of the research in order to promote the research project and research in badminton;
- understand that the research findings, methodology and details of the study will be made available to practitioners in the field and published by the BWF on its website or through other BWF communication channels at the conclusion of the research;
- declare that the information in this document is accurate.

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