



# BWF SPORT SCIENCE RESEARCH GRANT 2024/25 Application Form

Please fill in the form in **ENGLISH**

\* Required

Institution / Researcher

1. Application type \*

Institutional

Individual

2. Institution's Name \*

3. Institution's Name

4. Researcher's Name \*

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

5. Position \*

6. Address \*

7. Country \*

8. Mobile Phone \*

9. Office Phone

10. Email Address \*

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

## Research Type, Theme & Topic

### 11. Type of Research \*

- Social
- Scientific

### 12. Research Theme \*

(Please select one)

- Theme 1:** Badminton performance / Player development / Coaching
- Theme 2:** Physical activity, well-being & health
- Theme 3:** Injury prevention & medical
- Theme 4:** Para badminton / Inclusive badminton
- Theme 5:** Organisational / National Federation development
- Other

### 13. Other Topics \*

**Theme 1: Badminton Performance / Player Development / Coaching**

(Please select one topic)

14. Badminton Performance / Player Development / Coaching \*

- Physical performance characteristics in badminton (difference between gender & disciplines)
- Performance determinants in badminton (difference between gender & disciplines)
- Impact of current BWF Tournament Structure on player development
- Physiological demands in AirBadminton
- Science of coaching

**Theme 2: Physical Activity, Well Being & Health**

(Please select one topic)

15. Physical Activity, Well Being & Health \*

- Physical and psychological changes in elderly through regular badminton sessions
- Physical and psychological changes in youth through regular badminton sessions
- Physical and psychological changes in recreational badminton players

### Theme 3: Injury Prevention & Medical

(Please select one topic)

#### 16. Injury Prevention & Medical \*

- Structured warm up/injury prevention programme in reducing injury risk in youth / elite / recreational players
- Monitoring and restriction on jumps / running distance on court in training towards lower extremity injuries in elite badminton players

**Theme 4: Para Badminton / Inclusive Badminton**

(Please select one topic)

## 17. Para Badminton / Inclusive Badminton \*

- 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
- Key principles and guidelines for working within different training zones for Para badminton sport classes, to ensure optimal training and replication of match environment
- Key physical testing protocols for each Para badminton sport class
- Principles of physical training for each Para badminton sport classes
- Physical, health and social benefits of "Unified" badminton with Special Olympics athletes

**Theme 5: Organisational / National Federation Development**

(Please select one topic)

18. Organisational / National Federation Development \*

- Analysis of National Elite Sport (Badminton) systems
- Organisational Performance Analysis of National Badminton Federations



## Research Description and Methodology

19. Project Title \*

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

20. Research Question(s) \*

(No more than two research questions.) - 100 words

21. 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

22. Description \*

(Research Focus & scope) - 400 words

23. Methodology \*

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

## Research Outcomes / Impact / Sustainability

### 24. Outcomes \*

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

### 25. Immediate Impact \*

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

### 26. Importance & Practical Potential Implications \*

(Describe why this research is important to conduct for world badminton.) - 300 words

### 27. Implementation & Dissemination \*

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

### 28. Proposed journals for publication \*

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

BWF is a partner for the International Journal of Racket Sport Science. It is an open access journal. For more info:  
<https://journal.racketsportscience.org/index.php/ijrss/AboutTheJournal>

## Research Process

29. Broad Stages / Timeline \*

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

30. Key Performance Indicators (KPIs) \*

(Provide bullet point explanation and expected outcomes for reporting on **10 January 2025** and **14 November 2025**.) - 100 words

## Research Context / Added Value

31. Additional information

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

32. 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.

### Research Budget and Partnerships

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

The value must be a number

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

The value must be a number

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

Yes

No

36. Other sources of funding

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

The value must be a number

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

Yes

No

39. Please provide the partner institution/organisation name

40. 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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