**Submission deadline:** May 31, 2017

**Aims & Scope**

Aiming to emphasize the importance of research and evidence-based information as key drivers for advancing all aspects of sports sciences regarding aquatic safety and rescue, The Open Sports Sciences Journal will publish a Special Issue on the topic. Original and review articles, as well as short communications and commentaries, are welcome.

It is estimated that drowning may claim as many as one million lives every year and impacts millions more in communities across the world. Active prevention strategies, customised to fit the specific needs of different countries and cultures, are critical to reduce the global burden of drowning. Lifesaving, diving and water safety, either professional or recreational, are important fields where evidence-based knowledge will help better understanding the mechanisms affecting the efficiency of lifeguarding and lifesaving services, the contribution of lifesaving sport as a training tool for water safety skills acquisition among aquatic athletes and recreational users, as well as the importance of water safety for physical and psychological well-being of people participating in aquatic activities.

Ultimately, the publication of an open access peer-reviewed special issue will foster the dissemination of high-quality research in methods, theories and techniques concerning sport science of aquatic safety and rescue related issues, therefore promoting meaningful action to reduce drowning and improve health and well-being worldwide.

This special issue of The Open Sports Science Journal calls on authors to submit original research and specific reviews that enrich the current understanding of sports sciences contribute to water safety and lifesaving.

**Topics of special interest include but are not limited to:**

- Biomechanics of lifesaving and diving techniques and new testing devices
- Mechanical and physiological components of fatigue in aquatic safety, rescue and drowning
- Physical demands and minimum competence for lifeguards to meet and maintain
- Effects of training on lifesavers, lifeguards and divers anthropometrics
- Energetic intensities, training and performance in aquatic safety and rescue practitioners
- Analysis and modelling of inter-individual variability in performers
- Impact of stress and other physio-psychological factors affecting emergency response
- Impact of the use of different rescue equipment during aquatic safety and rescues
- Anthropological and epidemiological characterization of injuries in aquatic safety and rescue related activities
- Medicine of injuries in lifesaving and diving, risk factors, drowning and prevention
Criteria for selection of original research manuscripts will include:

- Methodological quality, rigor, and originality
- Original contribution and advancement to knowledge of water safety and lifesaving sports science
- Clarity of writing and presentation

Please email to one Guest Editors special issue-related enquiry:

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