

ABSTRACT BOOK

October 17-19, 2018





World
Scientific
Congress
of
Combat Sports
and
Martial Arts

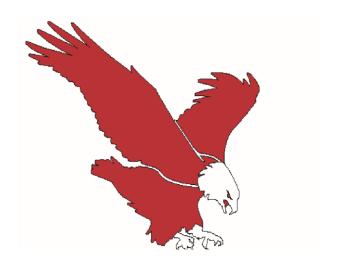
University of Rzeszów Rzeszów, Poland

4th World Scientific Congress of Combat Sports and Martial Arts and 7th IMACSSS International Conference

ABSTRACT BOOK

October 17-19, 2018, Rzeszów, Poland

Wojciech Jan Cynarski and Gabriel Szajna [Eds.]



International Martial Arts And Combat Sports Scientific Society Rzeszów 2018

CONTENTS

FOREWORD BY PROF. SYLWESTER CZOPEK, RECTOR UR
FOREWORD OF THE DEAN OF THE FACULTY OF PHYSICAL EDUCATION9
PREFACE OF THE PRESIDENT OF IMACSSS AND IPA
FUMINORI NAKIRI11
Fuminori Nakiri RESEACH ON SAFETY MEASURES FOR KENDO EQUIPMENT FOR PREVENTION OF INJURY IN BUDO(KENDO)12
Dahlia Al-Syurgawi EFFECTS OF A 6-WEEK PLYOMETRIC TRAINING ON POWER PERFORMANCE IN SILAT OLAHRAGA16
Bruno Avelar-Rosa, Abel Figueiredo, Víctor López-Ros HOW DO NOVICE LEARNERS CONSTRUCT KNOWLEDGE IN COMBAT SPORTS? A CASE STUDY17
Dariusz Bajkowski FORMS OF TIMING USED IN TRADITIONAL KUMITE TO SCORE POINTS IN FUDOKAN KARATE CHAMPIONSHIPS19
Zbigniew Borysiuk ANALYSIS OF BIOSIGNALS OF THE TOP AND NOVICE FENCERS IN SELECTED TECHNICAL FORMS OF ATTACK21
António Vences Brito, Mário A. Rodrigues-Ferreira, Vitor Milheiro, Marco Branco, Cristiana Mercê, Ana Paula Seabra, David Catela METABOLIC AND MATURATIONAL PRELIMINARY STUDY IN YOUNG KARATE ATHLETES22
Huang Yuan Cheng INFLUENCE AND DEVELOPMENT OF 2020 KARATE AS THE OLYMPIC PROJECT ON NEW RULES OF TAEKWONDO24
Wojciech J. Cynarski IDOKAN IN CULTURAL DIALOGUES: 70 YEARS OF ACTIVITY (1948-2018)25
Patrik Drid, Tatjana Trivic, Roberto Roklicer, Marko D.M. Stojanovic, Sergej M. Ostojic EFFECT OF "REGAIN WEIGH-IN" PERIOD ON HANDGRIP STRENGTH IN JUDOKAS
Monika Drozd, Ewa Wasilewska VARIABILITY OF THE PHYSICAL ACTIVITY IN ATHLETES OF SUMO, KARATE AND WRESTLING UNDER THE INFLUENCE OF A TARGETED PROCESS
Ron Dziwenka A GRAND THEORY OF PRACTICE: FROM PROCESS TO PRAXIS TO INTUITION29
Justyna Glińska-Wlaź, Jaromir Grymanowski LIFE SATISFACTION AMONG PEOPLE TRAINING CHOSEN COMBAT SPORTS AND MARTIAL ARTS
Aleksa Grbović, Miloš Mudrić NUTRITION NEEDS OF JUDOKAS
Thomas A. Green, Mao Dandan FROM THE MARTIAL TO THE SOCIAL: SHIFTING FUNCTIONS OF THE FUJIAN LION ARRAY
Jaromir Grymanowski, Justyna Glińska-Wlaź, Karolina Przednowek, Mariusz Drużybicki, Krzysztof Przednowek ANALYSIS OF KINEMATIC PARAMETERS OF THE DIAGONAL FRONT KICK ON THE EXAMPLE OF AN ATHLETE TRAINING MUAY THAI34
Carlos Gutiérrez-García, Abel Figueiredo, Mikel Pérez-Gutiérrez, Francisco José Soto, Roberto Ruiz-Barquín SCIENTIFIC PRODUCTION ON KARATE: A BIBLIOMETRIC APPROACH
Carlos Gutiérrez-García, Mikel Pérez-Gutiérrez, Abel Figueiredo, Michal Vit, Zdenko Reguli, Miguel Rousselon, Roberto Ruiz-Barquín A BIBLIOMETRIC REVIEW OF SCIENTIFIC PRODUCTION ON AIKIDO FROM THE 1970S TO TODAY37

Carlos Gutierrez-Garcia, Wojciech J. Cynarski, Carl De Cree, Raquel Escobar-Molina, Abel Figueiredo, Emerson Franchini, Thomas Green, Guodong Zhang, Mikel Pérez-Gutiérrez, Sergio Raimondo, Zdenko Reguli, Roberto Ruiz-Barquín, Luis Santos, Joseph Svinth, Michal Vit IN WHICH JOURNALS CAN I PUBLISH MY RESEARCH ON MARTIAL ARTS AND COMBAT SPORTS? AN UP-TO-DATE APPROACH
John A. Johnson TAEKWONDO FOR PEACE: SOFT DIPLOMACY ALONG THE KOREAN PENINSULA41
Rafael Lima Kons, Jonathan Ache-Dias, Jorge Nelson da Silva Junior, Daniele Detanico RELATIONSHIP BETWEEN VERTICAL JUMP PARAMETERS AND TECHNICAL-TACTICAL PERFORMANCE IN FEMALE JUDO ATHLETES44
Georgiy Korobeynikov, Bogdan Mytskan, Myroslav Dutchak, Lesia Korobeynikova, Wojciech J. Cynarski, Dymytrii Nikonorov SEXUAL DIMORPHISM OF NEURODYNAMIC FUNCTIONS IN ELITE JUDOKAS46
Georgiy Korobeynikov, Wojciech J. Cynarski, Bogdan Mytskan, Myroslav Dutchak, Lesia Korobeynikova, Dymytrii Nikonorov PSYCHOPHYSIOLOGICAL STATES OF ATHLETES WITH DIFFERENT LEVEL OF AGGRESSION48
Grzegorz Kozdraś EDUCATION TO MORAL VALUES OF JUDO SCHOOL STUDENTS49
Reylin Maciejewski, Jan Gajewski INJURY RISK IN JUDO COMPETITION: A FIVE-YEAR TREND ANALYSIS
Roland Jean Maroteaux MARTIAL ARTS: THE RIGHT POSTURE51
Brian Moore WELLBEING WARRIORS: THE PSYCHOLOGICAL BENEFITS AND THERAPEUTIC OPPORTUNITIES ASSOCIATED WITH MARTIAL ARTS PRACTICE53
Iwona Mostek, Emilian Zadarko, Maria Zadarko-Domaradzka, Zbigniew Barabasz, Justyna Lenik, Karolina Przednowek, Maciej Huzarski, Edyta Nizioł-Babiarz, Agnieszka Szybisty, Krzysztof Przednowek DIAGNOSTICS OF SELECTED MOTOR SKILLS OF OYAMA KARATE COMPETITORS PREPARING FOR THE CHAMPIONSHIPS
Paweł F. Nowak, Cezary Kuśnierz HEALTH PERCEPTION BY JUDO COMPETITORS56
Dariusz Parzelski, Magdalena Sędkiewicz CZAJKOWSKI REVISITED – PSYCHOLOGICAL PERSPECTIVE ON CZAJKOWSKI'S SPORT MANAGEMENT STYLES57
Przemysław Pawelec, Jong-Hoon Yu JUDO KODOKAN REVIEW" AS A "MARTIAL ARTS" MEDIUM58
Piotr Pietrzak HEALING TECHNIQUES FOR THE MARTIAL ARTS60
Juliusz Piwowarski CHARTER OF BUDO, AS A CONTEMPORARY ELEMENT OF PERSONAL CULTURAL SECURITY62
Ewa Polak, Jakub Sikora, Maciej Rachwał AN AIKIDO BASED INTERVENTION SUPPORTING THE THERAPY OF A CHILD WITH AUTISM SPECTRUM DISORDERS - A CASE STUDY
Vladimir Pylat "PRYSYADKY", "PIVPRYSYADKY" AND "POVZUNTSI" - INFLUENCE ON HEALTH65
Sergio Raimondo, Stefania Lunardini A STUDY OF TAIJIQUAN AND TREATMENT OF CANCER
Sergio Raimondo, Maria Teresa Stampi, Matteo Giacometti MUAY THAI, STRUCTURING THE EXPERIENCE OF ONESELF AND THE OTHERS IN THE MARTIAL ART: A PILOT STUDY70

Zdenko Reguli and Vit Prokes THE FREQUENCY OF FALLS IN HEAVYWEIGHT MIXED MARTIAL ARTS BOUTS	.72
Roberto Ruiz-Barquín, Francisco Batista, Iván Pérez, Carlos Gutiérrez-García LEADERSHIP QUALITIES IN CANARY ISLANDS WRESTLING	.73
Roberto Ruiz-Barquín, José Juan Robles, Santiago García, Carlos Gutiérrez-García JUDO COMPETITORS' RESILIENCE LEVELS AT THE 2017 INTER-ARMY SPANISH CHAMPIONSHIP	.75
Roberto Ruiz-Barquín, Mari Paz García-Remis, Carlos Gutiérrez-García PSYCHOLOGICAL PROFILE OF COMPETITIVE COMBAT SPORTS ATHLETES: COMPARISON BETWEEN MIXED MARTIA ARTS AND OTHER COMBAT SPORTS	
Mohamad Nizam Mohamed Shapie, Wahidah Tumijan, Jamiaton Kusrin, Mohd Shahid Elias SILAT TEMPUR: THE OVERVIEW OF CHILDREN COMBAT SPORTS	.79
Jožef Šimenko THE USE OF ISOKINETIC IN ACL REHABILITATION IN JUDO: A CASE STUDY	.82
Stefania Skowron-Markowska CHINESE <i>GUÓ SHÙ</i> (國術 "NATIONAL ART") IN SHAOLIN TEMPLE. NEW CHALLENGES IN TEACHING KUNG FU / WUSHU FROM ANTHROPOLOGICAL PERSPECTIVE	.83
Katarzyna Sochacka, Małgorzata Janusz, Dagmara Sądecka 40 YEARS OF ACTIVITY OF OYAMA KARATE SPORTS CLUB IN RZESZOW (1978–2018)	.84
Roland Solymos, Antal Kovács, Pongrác Ács, Kata Morvay-Sey THE RELATIONSHIP BETWEEN BUDO MARTIAL ARTS TRAIT AGGRESSION AND ASSERTIVENESS	.86
Gabriel Szajna, Robert Bąk, Jerzy Kulasa APPLICATION OF CONFLICT ALGEBRA IN THE ANALYSIS OF A FENCING AND TACTICAL PREPARATION METHODS .	.87
Michal Vít, Filip Kondla THE LEVEL OF AGGRESSIVENESS AMONG SLOVAK BOXERS	.89
Jacek Wąsik, Tomasz Góra, Dorota Ortenburge THE IMPACT OF AN OBJECTIVE ON FRONT KICKING VELOCITY AS THE ASPECT OF COMPROMISE MECHANISM IN RELATION: VELOCITY-FORCE-PRECISION: TAEKWON-DO COMPETITORS MEASUREMENT	.91
Kurt Weis KALARIPPAYATTU – AN ANCIENT SOUTH INDIAN MARTIAL ART AS A SOURCE, MIRROR AND EXAMPLE FOR MARTIAL ARTS, BODY ARTS AND HOLISTIC HEALTH TECHNIQUES	.92
Huang Ji Zhen, Huang Yuan Cheng FOREIGNERS' LEARNING CONDITIONS OF MARTIAL ARTS IN CHINA	.93
GRAND MASTERS IN THE CONGRESS	.95
INDEX OF AUTHORS	100

- 4. Pérez-Gutiérrez M., Valdes-Badilla P., Gómez-Alonso M.T., Gutiérrez-García C. (2015), *Bibliometric analysis of taekwondo articles published in the web of science (1989-2013)*, "Ido Movement for Culture", vol. 15, no. 3, pp. 27-34.
- 5. Pérez-Gutiérrez M., Valdés-Badilla P., Gutiérrez-García C., Herrera-Valenzuela T. (2017), Taekwondo scientific production published on the web of science (1988-2016): Collaboration and topics, "Movimento", vol. 23, no. 4, pp. 1325-1340.
- 6. Peset F., Ferrer-Sapena A., Villamon M., Gonzalez L.-M., Toca-Herrera J.-L., Aleixandre-Benavent R. (2013), *Scientific literature analysis of Judo in Web of Science*, "Archives of Budo", vol. 9, no. 2, pp. 81-91.
- 7. Ueshiba, K. (1984), The Spirit of Aikido. (T. Unno, Trans.), Kodansha International, Tokyo, Japan.
- 8. Williams S.J., Kendall L.R. (2007), *A profile of sports science research (1983-2003)*, "Journal of Science and Medicine in Sport", vol. 10, no. 4, pp. 193-200.

Carlos Gutiérrez-García^{1(ABCDEF)}, Wojciech J. Cynarski^{2(BDEF)}, Carl De Crée^{3(BDEF)}, Raquel Escobar-Molina^{4(BDEF)}, Abel Figueiredo^{5(ABCDEF)}, Emerson Franchini^{6(BDEF)}, Thomas Green^{7(BDEF)}, Guodong Zhang^{8(BDEF)}, Mikel Pérez-Gutiérrez^{9(BDEF)}, Sergio Raimondo^{10(BDEF)}, Zdenko Reguli^{11(BDEF)}, Roberto Ruiz-Barquín^{12(BDEF)}, Luis Santos^{1(BDEF)}, Joseph Svinth^{13(BDEF)}, Michal Vit^{11(BDEF)}

¹ Universidad de León (Spain),² University of Rzeszow (Poland),³ Ghent University (Belgium),⁴ Universidad de Granada (Spain),⁵ Instituto Politécnico de Viseu (Portugal),⁶ University of São Paulo (Brazil) & Australian Institute of Sport (Australia),⁷ Texas A&M University (United States),⁸ Southwest University (China),⁹ Universidad de Cantabria (Spain),¹⁰ University of Cassino and South Lazio (Italy),¹¹ Masaryk University (Czech Republic),¹² Universidad Autónoma de Madrid (Spain),

¹³ Electronic Journals of Martial Arts and Sciences (United States)

IN WHICH JOURNALS CAN I PUBLISH MY RESEARCH ON MARTIAL ARTS AND COMBAT SPORTS? AN UP-TO-DATE APPROACH

Key words: martial arts, combat sports, journals, science, research.

Introduction

There is evidence that research in martial arts and combat sports (MA&CS) has boomed since the late 1990's [see *e.g.*, Green and Svinth 2010; Gutiérrez-García *et al.* 2011]. This has led to the birth of several scientific/technical journals specific to MA&CS. These journals are nowadays sharing a common scientific publication space with more traditional scientific field-orienteed journals, which also publish studies on MA&CS. The aim of this study is to provide a general and up-to-date overview on the MA&CS publication space referred to journals, as a tool for helping authors decide where to publish their MA&CS studies.

Methods

This study followed a bibliographic approach. Scopus and the Web of Science (WoS) core collection databases were screened for journal retrieval as these are, arguably, the most relevant global and multidisciplinary scientific databases nowadays. SportDiscus and PubMed databases were also included due to their relevance in the physical activity and sport sciences field. In addition, the authors provided information of current MA&CS scientific/technical journals not indexed in these databases. In order to rate how many MA&CS papers were published in specific MA&CS journals we used data from several bibliometric studies. The interpretation of the results was based on the authors' knowledge and included variables such as impact, visibility and accessibility, the latter both for authors and readers.

Results and discussion

Up to four specific MA&CS journals were indexed in the WoS. These were Archives of Budo (Science Citation Index Expended, category Sport Sciences, no Impact Factor in 2017 due to anomalous citation patterns – overuse of self citations, Impact Factor 2016=1.506; Q3), Ido Movement for Culture. Journal of Martial Arts Anthropology, Archives of Budo Science of Martial Arts and Extreme Sports and Revista de Artes Marciales Asiáticas (Emerging Sources Citation Index). Archives of Budo (category Physical Therapy, Sports Therapy and Rehabilitation, Cite Score₂₀₁₇=1.59; Q2) and *Ido Movement for* Culture. Journal of Martial Arts Anthropology (categories Philosophy, and Physical Therapy, Sports Therapy and Rehabilitation, Cite Score₂₀₁₇=0.80; Q1 and Q3 respectively) were also indexed in Scopus. SportDiscus provided one more current title: Journal of Combat Sports and Martial Arts. PubMed did not index any MA&CS journal. Titles not indexed in these databases include Research Journal of Budo, Martial Arts Studies Journal, Acta Taekwondo et Martialis Artium, International Journal of Wrestling Science, International Journal of Martial Arts, Chinese Wushu Research and Journal of Martial Arts Research – JOMAR (still not publishing any issue). These data must be considered as they are usually linked to authors' research evaluation. Nevertheless, the specific states' policies regarding the evaluation of researchers' scientific production must be carefully taken into account, as they can be very different among countries.

All cited journals but *Chinese Wushu Research* are electronic and free, open-access, which means important advantages for their visibility and accessibility. They publish papers in English but *JOMAR* (also in German), *Research Journal of Budo* (also in Japanese), *Revista de Artes Marciales Asiáticas* (also in Spanish and Portuguese) and *Chinese Wushu Research* (only in Chinese). Publishing papers in other languages but English may allow easier accesibilility to authors and readers not fluent in this language, which is an important point to avoid language bias in scientific publication. On the contrary, this trend seriously limits the accesibility to some contents of the aforementioned journals, as no other language but English has turned nowadays into the *lingua franca* for scientific communication. Therefore, it is suggested that authors try to publish their studies in English, provided their papers reach an acceptable English-as-a-*lingua-franca* level standards.

Another aspect that may limit accesibility for authors is publication fees/article processing charges (APC). Four MA&CS journals charge publication fees: *Archives of Budo* (€1210/US\$1400 per article), *Archives of Budo Science of Martial Arts and Extreme Sports* (€260/US\$300 per article), *International Journal of Wrestling Science* (€173/US\$200 per article) and *Journal of Combat Sports & Martial Arts* (€70/US\$81 per article). This can be specially limiting for independent researchers and/or authors from institutions from developing countries wanting to publish their findings. Authors must be aware of this fact before submitting their manuscripts, as APCs are not applied upon submission but when the manuscript is accepted for publication.

Finally, it is obvious to say that studies on MA&CS can be found in non-specific MA&CS journals. Studies rating the contribution of specific MA&CS journals to the whole output of MA&CS articles used the WoS databases. The specific MA&CS indexed journals – mainly *Archives of Budo* – were placed in top positions but contributing scarcely to the whole output: 4.4% [Gutiérrez-García *et al.* 2011], 10.9% [Peset *et al.* 2013], 4.5% [Pérez-Gutiérrez *et al.* 2015], 10.6% [Pérez-Gutiérrez *et al.* 2017], and 10.6% (9.05% from Archives of Budo and 1.55% from *Archives of Budo Science of Martial Arts and Extreme* Sports) [Franchini *et al.* 2018]. This means that studies on MA&CS are attractive to many scientific journals, which may increase the authors' opportunities for getting their papers published.

Conclusion

There are, at least, twelve scientific/technical journals specific to MA&CS. These are diverse considering their impact, visibility and accessibility. We encourage potential authors to be aware about these journals and their characteristics before submitting their papers.

References

- 1. Franchini E., Gutiérrez-García C., Izquierdo, E. (2018). Olympic combat sports research output in the Web of Science: a sport sciences centered analysis, "Ido Movement for Culture. Journal of Martial Arts Anthropology", vol. 18, no. 3, pp. 21–27; doi: 10.14589/ido.18.3.4.
- 2. Green, T.A., Svinth, J.R. (2010), *Introduction* [in] T.A. Green & J.R. Svinth [eds.], *Martial Arts of the WORLD. An Encyclopedia of History and Innovation*, ABC-CLIO, Santa Barbara California, pp. xvii-xix.
- 3. Gutiérrez-García C., Pérez-Gutiérrez M., Calderón-Tuero P. (2011), Bibliometric Analysis of the scientific production on martial arts and combat sport articles in the Web of Science databases (SCI-Expanded, SSCI, A&HCI) (2000-2009) [in] A. Figueiredo and C. Gutiérrez-García (Eds.), Scientific Congress on Martial Arts and Combat Sports. Proceedings, IPV de Viseu, Viseu Portugal, pp. 54-55
- 4. Pérez-Gutiérrez M., Valdes-Badilla P., Gómez-Alonso M.T., Gutiérrez-García C. (2015), *Bibliometric analysis of taekwondo articles published in the Web of Science (1989-2013)*, "Ido Movement for Culture. Journal of Martial Arts Anthropology", vol. 15, no. 3, pp. 27-34; doi: 10.14589/ido.15.3.4.
- 5. Pérez-Gutiérrez M., Valdés-Badilla P., Gutiérrez-García C., Herrera-Valenzuela T. (2017). *Taekwondo scientific production published on the Web of Science (1988-2016): Collaboration and topics.* "Movimento", vol. 23, no. 4, pp. 1325-1340.
- 6. Peset F., Ferrer-Sapena A., Villamon M., Gonzalez L.-M., Toca-Herrera J.-L., Aleixandre-Benavent R. (2013), *Scientific literature analysis of Judo in Web of Science*, "Archives of Budo", vol. 9, no. 2, pp. 81-91.

John A. Johnson

Dept. of Taekwondo, Keimyung University, Daegu (Korea)

TAEKWONDO FOR PEACE: SOFT DIPLOMACY ALONG THE KOREAN PENINSULA

Key words: Taekwondo diplomacy, soft diplomacy, sports diplomacy, International Taekwon-Do Federation (ITF), martial arts, international relations, World Taekwondo (WT), combat sports

Introduction

Sports diplomacy has long been effective in bringing nations and cultures together peacefully. Sports diplomacy is a type of soft diplomacy: the informal diplomatic engagements between non-governmental entities that sometimes operate with governmental support, but more often as a private exchange. Soft diplomacy has provided governments a place where greater understanding happens, which in turn has in turn led to increased political cooperation. Taekwondo, the Korean martial art turned international Olympic sport, has been used for soft diplomatic purposes almost since its inception in 1955. Most recently, the Taekwondo demonstration teams from the Republic of Korea (ROK) and the Democratic People's Republic of Korea (DPRK) have been used as a tool to bridge the political gap between the two divided nations.

Problem and aim

Taekwondo international relations (IR) is an emerging area of research that can be categorized as a type of soft diplomacy. Since Taekwondo demonstrations have been instrumental to bringing the ROK and the DPRK back to the negotiating table (Johnson, Vitale 2018), it is necessary to understand how this has occurred in order to nurture and facilitate similar efforts. How and why Taekwondo has been used as a means of soft diplomacy have yet to be elucidated. In doing so, the current research determines the reasons why Taekwondo pioneers and its governing bodies have pursued soft diplomacy through Taekwondo and the elucidates the processes they undertook that facilitates Taekwondo Diplomacy today.