

M U H A M M E D S I D D I K Ç E M Ç

Boğaziçi University
Department of Physical Education and Sports

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YÖKSİS, DergiPark, TRDizin

E D U C A T I O N

<i>Associate Professorship</i>	Inter-Universities Council Presidency (ÜAK) (Türkiye), Sport Sciences, Psychosocial Areas in Sport	2026
<i>P h . D .</i>	Atatürk University, Graduate School of Winter Sports and Sport Sciences, Department of Physical Education and Sports “An investigation of the risk of traumatic brain injury in elite boxers”	2023
<i>Master’s Degree</i>	Atatürk University, Graduate School of Winter Sports and Sport Sciences, Department of Physical Education and Sports “The investigation of relationships between rhythm senses and hand preference, eye dominance, hearing time of elite boxers”	2018
<i>Bachelor’s De gree</i>	Atatürk University, School of Physical Education and Sports, Department of Physical Education and Sport Teaching	2016

A C A D E M I C E X P E R I E N C E

<i>Instructor</i>	National Defense University, Turkish Air Force Academy Department of Physical Education and Sports	2017-2024
	Boğaziçi University Department of Physical Education and Sports	2024-.....

ADMINISTRATIVE EXPERIENCE

*Associate
Head of
Department* **Boğaziçi University** 2025-....
Department of Physical Education and Sports

RESEARCH INTERESTS

*Sport Sciences, Exercise and Sports Psychology,
Cognitive Performance in Athletes, Combat Sports*

COURSES TAUGHT

Instructor **Basic and Military Physical Education** 2017-2024
National Defense University Turkish Air Force Academy
Department of Physical Education and Sports

Self Defense Sports (Boxing) I-II 2024-.....
Boğaziçi University
Department of Physical Education and Sports

Fitness I-II 2024-.....
Boğaziçi University
Department of Physical Education and Sports

Health and Sports Clinique I 2025-.....
Boğaziçi University
Department of Physical Education and Sports

SCIENTIFIC SOCIETIES

Membership **Sport Sciences Association** 2025

Turkish Physical Education Teachers Association 2025

SCIENTIFIC ACTIVITIES

<i>Peer Reviewer</i>	Journal of ROL Sport Sciences (ISSN: 2717-9508) (EBSCO SPORTDiscus)	2024
	BMC Sports Science, Medicine and Rehabilitation (ISSN: 2052-1847) (SCI-Expanded, Q1)	2025
	Deviant Behavior (ISSN: 0163-9625) (SSCI, Q2)	2025
	Sport Sciences for Health (ISSN: 1825-1234) (ESCI, Q3)	2025
	Frontiers in Sports and Active Living (ISSN: 2624-9367) (ESCI, Q2)	2025
	Brain and Behavior (ISSN: 2162-3279) (SCI-Expanded, Q2)	2025
	Current Psychology (ISSN: 1936-4733) (SSCI, Q1)	2025
	Turkish Journal of Sport and Exercise (ISSN: 2147-5652) (TR Dizin)	2025
	Journal of Sports & Science (ISSN: 2980-2067) (EBSCO SPORTDiscus)	2025
	International Journal of Exercise Psychology (ISSN: 2687-6051) (Index Copernicus)	2025

SCIENTIFIC RESEARCHS

Articles Published in Journals Indexed in SCI, SSCI, AHCI, and ESCI

Çemç, M. S., & Ağduman, F. (2024). Evaluating the impact of boxing on prefrontal cortex activation and cognitive performance: A pilot study using fNIRS technology and the Stroop test. *PLOS ONE*, 19(12): e0314979.

Çemç, M. S., Madak, E., Gülen, Ö., & Sönmez, H. O. (2025). Aggression in crime and sports: a study on prisoners and amateur combat athletes in Türkiye. *BMC Psychology*, 13, 10.

Çemç, M. S., & Kaldırımçı M. (2025). Comparison of resting-state alpha frequency and prefrontal cortex activation patterns between elite retired amateur boxers and healthy individuals: an fNIRS and EEG study. *Journal of Men's Health*, 21(4); 55-67.

Karakaş, İ., Susuz, Y. E., Akarçeşme, C., Şemşek, Ö., Çemç, M. S., Demirok, K., Ay Yıldız, Y., Ayılğan, E. (2025). The Correlation Between Nordic Hamstring Strength and Agility and Speed Performance in National Badminton Athletes. *Biotechnia*, 27, e2554.

Articles Published in Other International Peer-Reviewed Journals

Çemç, M. S., & Gerek, Z. (2022). Relationship Between Elite Amateur Boxers Rhythm Sense and Lateralization Levels. *International Journal of Exercise Psychology*, 4(2), 65-73.

Çemç, M. S., & Akbulut, A. (2023). Fighting for Life: Historical Development of Boxing in Turkish Culture. *Sportive*, 6(2), 101-110.

Çemç, M. S., & Yazıcı, A. G. (2023). An Athletic Nation: An Exploration of Mustafa Kemal Atatürk's Sports Vision on The Centennial of the Turkish Republic. *Spormetre The Journal of Physical Education and Sport Sciences*, 21, 1-18.

Çemç, M. S., Yılmaz, H. H., & Kaldırımçı, M. (2023). Evaluation of Traumatic Brain Injury Risk in Athletes: A Neuropsychological Investigation in Active Boxers. *International Journal of Exercise Psychology*, 5(2), 30-42.

Çemç, M.S., & Susuz, Y. E. (2024). A Turk at the Summit: The Timeless Legacy of Naim Süleymanoğlu. *Journal of Sports and Science*, 2(1), 27-52.

Çemç, M. S., & Şahin, R. (2024). Physical Fitness in the Armed Forces: A Comprehensive Study of International Assessment Practices. *Turkish Journal of Sport and Exercise*, 26(2), 252-264.

Çemç, M. S., Madak, E., & Gülen, Ö. (2024). Evaluation of Cognitive Performance in Child Football Players Aged 8-15: A Study Based on the Stroop Test TBAG Form and the Children's Colour Trails Test. *Journal of Physical Education & Sports Science*, 18(3), 426-442.

Çemç, M. S., & Madak, E. (2024). The Strategic Power of Running: How Peyks Shaped Communication Networks through Running in the Ottoman Empire. *Journal of Global Sport and Education Research*, 7(3), 84-96.

Çemç, M. S., Madak, E., & Sönmez, H. O. (2025). Is Cognitive Performance Deficiency a Potential Outcome in Rugby Players? A Study Based on the Symbol Digit Modalities Test. *Journal of Sports and Science*, 3(1), 46-56.

Çemç, M. S., & Korkmaz, O. E. (2025). Comparison of Alpha Frequency Band Power in Active Amateur Boxers and Sedentary Individuals Using EEG Technology. *Spormetre The Journal of Physical Education and Sport Sciences*, 23(1), 18-29.

Çemç, M. S., & Gülen, Ö. (2025). Applications of Functional Near-Infrared Spectroscopy (fNIRS) in Sport Sciences: A Systematic Review. *International Journal of Exercise Psychology*, 7(1), 9-27.

Çemç, M. S., Bozkuş, T., Zorba, E., Karakaş, İ., Susuz, Y. E., & Uyar, Y. (2025). The Relationship Between Sports and Healthy Living Awareness A Study on Ice Hockey Athletes. *Spormetre Journal of Physical Education and Sport Sciences*, 23(3), 148-161.

Karakaş, İ., Çemç, M. S., Çimen Polat, S., Susuz, Y. E., & Irmak, B. (2025). Comparison of Selected Off-Ice Performance Parameters in Female Ice Hockey and Figure Skating Athletes. *International Journal of Sport Culture and Science*, 13(3), 261-274.

Çemç, M. S., Susuz, Y. E., Madak, E., Şahin, R., Karakaş, İ., Çolakoğlu, F. (2025). An Investigation into the Mindful Awareness and Sportsmanship Orientations of Students Competing in University Sports Teams. *Yalova University Journal of Sports Sciences*, 4(2), 225-238.

National and International Books

Çemç M. S, (2023). *An Inquiry into the Performance Metrics of Nations within the Discipline of Boxing at the Contemporary Olympic Games*. Akademisyen Yayınevi Kitabevi, Editör: Kaldırımçı, M., Basım sayısı:1, Sayfa Sayısı 75, ISBN:978-625-399-284-2, İngilizce (Bilimsel Kitap), (Yayın No: 8441709)

Papers Presented at International Scientific Conferences and Published in the Proceedings

Madak, E., Gülen, Ö., Sönmez, H. O. & Çemç, M. S. (2023). Sports Injury Anxiety Among Combat Athletes: A Comparative Analysis Across Disciplines and Demographic Factors. *11th International Congress on Humanities and Social Sciences in a Changing World*, 150-166 (Tam Metin Bildiri/Sözlü Sunum).

Yüksel, İ., Sökmen, M. T., & Çemç, M. S. (2024). Examination of Traumatic Brain Injury Risk Among Young (17-21 Years) Amateur Football Players Using Symbolic Tests. *4th International İzmir Congress on Medicine, Nursing, Midwifery, and Health Sciences*, 71-78 (Özet Bildiri/Sözlü Sunum).

Susuz, Y. E., Sülün, F., Çemç, M. S., & Çolakoğlu, F. F. (2024). Determination of the Physical Self-Defense Levels of Women Practicing Judo, Karate, and Taekwondo. *1st International & 3rd National Çukurova Women's Studies Congress*, 840-846 (Tam Metin Bildiri/Sözlü Sunum)

Çemç, M. S, & Yılmaz, O. (2025). Oculomotor Performance in Child Ice Hockey Athletes: A Comparative Analysis Using the Groffman Visual Tracing (GVT) Test. *16th International Istanbul Scientific Research Congress*, 283-284 (Özet Bildiri/Sözlü Sunum)

Çemç, M. S. (2025). Visual Attention in Child Taekwondo Athletes: A Pilot Study Based on the Developmental Eye Movement (DEM) Test. *Hagia Sophia 9th International Conference on Multidisciplinary Scientific Studies*, 454-455 (Özet Bildiri/Sözlü Sunum)

Çemç, M. S., & Yılmaz, O. (2025). The Acute Effects of High-Intensity Interval Training Protocols on Cognitive Performance: The Case of Tabata and Coe. *6th International Palestra Scientific Research Congress*, 654-656 (Özet Bildiri/Sözlü Sunum)

Yılmaz, O., & Çemç, M. S. (2025). The Healing Touch of Free Time on Complex Thoughts and Meaningless Life. *6th International Recreation and Sport Management Congress*, 375-376 (Özet Bildiri/Sözlü Sunum)

Supervised Graduate Theses

Yüksel, İ. (2024). *Examination of cognitive performance of young (17-21 years) male amateur soccer players with symbolic tests* [Master's Thesis, Gazi University-Ankara].

AWARDS AND ACHIEVEMENTS

<i>Ministry of National Defense</i>	Award for Scientific Achievement presented by the Minister of National Defense, Yaşar Güler	12/2023
<i>National Defense University</i>	Certificate of Appreciation awarded by Pilot Staff Colonel Ergin Dinç, Commander of the Cadet Regiment	05/2018
<i>Turkish Air Force Academy</i>	Certificate of Appreciation awarded by Pilot Colonel Cihangir Yüzçelik, Commander of the Cadet Regiment	11/2021
	Certificate of Appreciation awarded by Prof. Dr. Nurettin Acır, Dean of the Turkish Air Force Academy, National Defense University	03/2023
	Certificate of Appreciation awarded by Lieutenant Colonel Muzaffer Oğuz, Head of the Department of Physical Education and Sports	05/2023
	Certificate of Appreciation awarded by Prof. Dr. Nurettin Acır, Dean of the Turkish Air Force Academy, National Defense University	09/2023
	Certificate of Appreciation awarded by Colonel Muzaffer Oğuz, Head of the Department of Physical Education and Sports	09/2023
	Certificate of Appreciation awarded by Colonel Muzaffer Oğuz, Head of the Department of Physical Education and Sports	12/2023
<i>Sports Achievements</i>	Class B National Athlete (Boxing) AIBA World Junior Boxing Championships, Yerevan, Armenia, +80 kg, Participant	05/2009
	Class C National Athlete (Boxing) XXVI. International Ahmet Cömert Boxing Tournament, Istanbul, Türkiye, +91 kg, Participant	07/2011
	August 30 Victory Day Boxing Championship, Istanbul, Türkiye, +80 kg, Gold Medal	08/2008

Veteran Boxers Cup, Istanbul, Türkiye, +80 kg, Gold Medal	11/2008
Istanbul Championship, Istanbul, Türkiye, +91 kg, Gold Medal	11/2010
Turkish National Junior Individual Boxing Championship, Çorum, Türkiye, +80 kg, Silver Medal	02/2009
Turkish High School Individual Boxing Championship, Gümüşhane, Türkiye, +91 kg, Silver Medal	06/2009
Turkish National Youth Individual Boxing Championship, Karabük, Türkiye, +91 kg, Bronze Medal	01/2010
Turkish National Youth Individual Boxing Championship, Bayburt, Türkiye, +91 kg, Silver Medal	02/2011

CERTIFICATIONS

<i>Level 1</i>	Swimming Coach (Ministry of Youth and Sports of the Republic of Türkiye)	2017
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