

Year 4
Issue 11
November 2024

Faculty of Arts and Sciences Academic Activities Report

► Anthropology

❖ *Workshop Participation*

- **Prof. Egemen YILGÜR** presented his work titled "De-mystifying Turcoman Gypsies: Administrative, Fiscal and Ethnological Findings" at the Gypsy Lore Network Annual Meeting on September 27th.
- **Assist. Prof. Rula Nuri Shafiq-Baysan** presented his work titled "Cremation at Karkemish (Gaziantep): Iron Age Mortuary Practices" Necropolis Research Network 7th Annual Meeting that took place in the Netherlands Institute in Turkey on October 7th.

❖ *Jury Membership*

Assist. Prof. Ayşe Hilal Tuztaş Horzumlu participated in the doctoral defense committee of Selin Cesur at the Department of Philosophy.

► Philosophy

❖ *Guest Lecturer*

- **Assoc. Prof. Lale Levin Basut** has delivered a lecture titled "The Transcendental Foundations of Mathematics in Kant" at Boğaziçi University on October 22nd.

► Physics

❖ *Publication*

- The article titled “Constraints on dark matter models involving an S -channel mediator with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV,” co-authored by **Assist. Prof. Serhat İştin** as part of The ATLAS Collaboration, has been published in Eur. Phys. J. C. 84 (2024) 1102.
- The article titled “Search for heavy resonances in final states with four leptons and missing transverse momentum or jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector,” co-authored by Assist. Prof. Serhat İştin as part of The ATLAS Collaboration, has been published in JHEP 10 (2024) 130.
- The article titled “Measurement of single top-quark production in association with a W boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector,” co-authored by Assist. Prof. Serhat İştin as part of The ATLAS Collaboration, has been published in Phys. Rev. D 110 (2024) 072010.
- The article titled “Search for light long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector,” co-authored by Assist. Prof. Serhat İştin as part of The ATLAS Collaboration, has been published in Phys. Rev. Lett. 133 (2024).
- The article titled “Search for the exclusive W boson hadronic decays $W^{\pm} \rightarrow \pi^{\pm} \gamma$, $W^{\pm} \rightarrow K^{\pm} \gamma$ and $W^{\pm} \rightarrow \rho^{\pm} \gamma$ with the ATLAS detector,” co-authored by Assist. Prof. Serhat İştin as part of The ATLAS Collaboration, has been published in Phys. Rev. Lett. 133 (2024).
- The article titled “Fiducial and differential cross-section measurements of electroweak $W \gamma jj$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector,” co-authored by Assist. Prof. Serhat İştin as part of The ATLAS Collaboration, has been published in Eur. Phys. J. C 84 (2024) 1064.
- The article titled “Search for a new Z' gauge boson via the $pp \rightarrow W^{\pm(*)} \rightarrow Z' \mu^{\pm} \nu \rightarrow \mu^{\pm} \mu^{\mp} \mu^{\pm} \nu$ process in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector,” co-authored by Assist. Prof. Serhat İştin as part of The ATLAS Collaboration, has been published in Eur. Phys. J. C 84 (2024) 1064.
- The article titled “Combination and summary of ATLAS dark matter searches interpreted in a 2HDM with a pseudo-scalar mediator using 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data,” co-authored by Assist. Prof. Serhat İştin as part of The ATLAS Collaboration, has been published in Science Bulletin 69 (2024) 3005.

- The article titled “Search for a resonance decaying into a scalar particle and a Higgs boson in final states with leptons and two photons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector,” co-authored by Assist. Prof. Serhat İştin as part of The ATLAS Collaboration, has been published in JHEP 10 (2024) 104.
- The article titled “Sensor response and radiation damage effects for 3D pixels in the ATLAS IBL Detector,” co-authored by Assist. Prof. Serhat İştin as part of The ATLAS Collaboration, has been published in JINST 19 (2024) P10008.
- The article titled “Determination of the relative sign of the Higgs boson couplings to W and Z bosons using W production via vector-boson fusion with the ATLAS detector,” co-authored by Assist. Prof. Serhat İştin as part of The ATLAS Collaboration, has been published in Phys. Rev. Lett. 133 (2024) 141801.
- The article titled “Precise test of lepton flavor universality in W -boson decays into muons and electrons in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector,” co-authored by Assist. Prof. Serhat İştin as part of The ATLAS Collaboration, has been published in Eur. Phys. J. C 84 (2024) 993.
- The article titled “Introducing the ELPIS scale: a novel tool for measuring emotional empathy toward cancer patients,” co-authored by Assist. Prof. Serhat İştin, has been published in the journal Medical Oncology.

► English Language and Literature

❖ *Jury Membership*

- Assoc. Prof. Catherine Macmillan has participated in the doctoral thesis defense committee at English Literature PhD Program (22 October).
- Assoc. Prof. Catherine Macmillan has participated in the doctoral thesis defense committee at English Literature PhD Program (31 October).

► Mathematics

❖ *Jury Membership*

- **Asst. Prof. Barış Efe** served as a jury member for the thesis defense of Elif Çalışkan in the Master's Program of the Mathematics Department at Yeditepe University (18 October).

► Psychology

❖ *Article*

- **Assist. Prof. Esra Savaş's** article "Introducing the ELPIS scale: a novel tool for measuring emotional empathy toward cancer patients" has been published in *Medical Oncology*.

❖ *Project*

- **Research Assistant Eylem Yılmaz** has been awarded a grant for the TÜBİTAK 1002 project titled "Investigation of the Traumatic Components of Memories Related to Panic Attacks and Imagery Rescripting Intervention for Traumatic Panic Attack Memories," which she applied for and will lead as part of her doctoral studies at Adnan Menderes University.

► Russian Language and Literature

❖ *Symposium Participation*

- **Assist. Prof. Hülya Arslan** presented her paper titled "The Russian Language" at Yeditepe University - East-West International Russian Language Week event held from October 17-19, 2024.
- **Assist. Prof. İlsever Rami** presented her paper titled "The Use of Russian Travelogues in Russian Language Education" at the Yeditepe University- East-West International Russian Language Week event held from October 17-19, 2024.
- **Assist. Prof. İlsever Rami** gave a seminar titled "The Last Days of the Kazan Khanate and the Image of Süyümbike Hanbike" at an event held at Istanbul- Topkapı Turkish World Houses on October 20, 2024.
- **Lecturer Dr. İmren Arbaç** participated in the III International Symposium on Seljuk History and Geography - Turkestan, held at Uzbekistan's Samarkand State University from October 9-11, 2024, with her paper titled "The Impact of Pre-Islamic Wedding Rituals on Cultural Life during the Seljuk Period."

► Turkish Language and Literature

- The work *Ferdâ-yı Garâm, Aşkın Yarını* by Mehmet Rauf, adapted into modern Turkish by **Prof. Mehmet Kanar**, has been republished by İş Bankası Publishing.
- The work *Müşahadat* by Ahmet Mithat Efendi, adapted into modern Turkish by **Prof. Mehmet Kanar**, has been republished by İş Bankası Publishing.