

Asst. Prof. ARSEV UMUR AYDINOĞLU

Personal Information

Office Phone: [+90 312 210 2387](tel:+903122102387)

Email: aaydinog@metu.edu.tr

Web: <https://sites.google.com/site/arsevumuraydinoglu/home>

Biography

Arsev Umur Aydınoglu interdisciplinary bir sosyal bilimcidir. Doktora çalışmasını 2011'de Tennessee Üniversitesi'nde tamamladıktan sonra, ABD'de Güney Karolina Üniversitesi'nde ve NASA'da çalışmış, Japonya'da ELSI'de araştırmalar yapmıştır. Araştırma konusu interdisipliner araştırma işbirlikleri olmakla birlikte; sanal takımlar, araştırma verileri yönetimi, astrobiyoloji, hayatın kökleri, karmaşık adaptif sistemler teorisi; değerlendirme çalışmaları, tasarım odaklı düşünce, bilim ve teknoloji çalışmaları ve bilim iletişimi gibi konularda yayın yapmıştır. Türkiye Bilim ve Teknoloji Çalışmaları Ağı kurucu üyelerinden biri ve Blue Marble Space Institute of Science'ın üyelerindedir.

Education Information

Doctorate, University of Tennessee, Knoxville, College Of Communication And Information, United States Of America
2007 - 2011

Postgraduate, Gazi Üniversitesi, İletişim Fakültesi, Halkla İlişkiler Ve Tanıtım Bölümü, Turkey 2002 - 2006

Undergraduate, Hacettepe Üniversitesi, İktisadi Ve İdari Bilimler Fakültesi, İktisat Bölümü, Turkey 1994 - 2001

Foreign Languages

English, C2 Mastery

Dissertations

Postgraduate, Bir halkla ilişkiler modeli olarak duyuru: TSK brifingleri örneği, Gazi Üniversitesi, 2006

Doctorate, Complex Adaptive Systems Theory Applied to Virtual Scientific Collaborations: The Case of DataONE,
University Of Tennessee, Knoxville, College Of Communication And Information, 2006

Research Areas

Science and Technological Policy Studies

Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Graduate School of Social Sciences, Bilim Ve Teknoloji Politikası
Çalışmaları (YI) (Tezli), 2014 - Continues

Medical Doctor, National Aeronautics and Space Administration (NASA), NASA Astrobiology Institute, 2012 - 2014

Assistant Professor, University Of South Carolina, College Of Information And Communications, Library And Information

Science, 2011 - 2011

Research Assistant, The University Of Tennessee, Knoxville, College Of Communication And Information, Information Science, 2008 - 2011

Courses

KNOWLEDGE, ST IN THE INFO. AGE, Postgraduate, 2018 - 2019, 2019 - 2020

QUALITATIVE RESEARCH METHODS IN SCIENCE AND TECHNOLOGY STUDIES, Postgraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020

HISTORY OF SCIENCE AND TECHNOLOGY, Postgraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020

Bibliometrics, Postgraduate, 2018 - 2019, 2019 - 2020

Designed Lessons

Aydinoğlu A. U. , Bibliometrics, Postgraduate, 2018 - 2019

Aydinoğlu A. U. , Qualitative Research Methods in Science and Technology Studies, Postgraduate, 2015 - 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **The landscape of academic literature in quantum technologies**
SESKİR Z. C. , AYDINOĞLU A. U.
International Journal of Quantum Information, vol.19, no.2, 2021 (Journal Indexed in SCI)
- II. **Hidden Concepts in the History and Philosophy of Origins-of-Life Studies: a Workshop Report**
Mariscal C., Barahona A., Aubert-Kato N., Aydinoglu A. U. , Bartlett S., Cárdenas M. L. , Chandru K., Cleland C., Cocanougher B. T. , Comfort N., et al.
Origins of Life and Evolution of Biospheres, vol.49, no.3, pp.111-145, 2019 (Journal Indexed in SCI)
- III. **The role of space in interdisciplinary collaboration in design education**
Kaygan P., Aydinoğlu A. U.
INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION, vol.28, pp.803-817, 2018 (Journal Indexed in SCI)
- IV. **Origins of Life Research: a Bibliometric Approach**
Aydinoglu A. U. , TAŞKIN Z.
ORIGINS OF LIFE AND EVOLUTION OF BIOSPHERES, vol.48, no.1, pp.55-71, 2018 (Journal Indexed in SCI)
- V. **Research data management in Turkey: perceptions and practices**
AYDINOĞLU A. U. , DOĞAN G., TAŞKIN Z.
LIBRARY HI TECH, vol.35, no.2, pp.271-289, 2017 (Journal Indexed in SSCI)
- VI. **Measuring diversity in disciplinary collaboration in research teams: An ecological perspective**
AYDINOĞLU A. U. , Allard S., Mitchell C.
RESEARCH EVALUATION, vol.25, no.1, pp.18-36, 2016 (Journal Indexed in SSCI)
- VII. **A Strategy for Origins of Life Research**
Scharf C., Virgo N., Cleaves H. J. , Aono M., Aubert-Kato N., Aydinoglu A., Barahona A., Barge L. M. , Benner S. A. , Biehl M., et al.
ASTROBIOLOGY, vol.15, no.12, pp.1031-1042, 2015 (Journal Indexed in SCI)
- VIII. **Collaborative interdisciplinary astrobiology research: a bibliometric study of the NASA Astrobiology Institute**
TAŞKIN Z., AYDINOĞLU A. U.
SCIENTOMETRICS, vol.103, no.3, pp.1003-1022, 2015 (Journal Indexed in SCI)
- IX. **Data Management in Astrobiology: Challenges and Opportunities for an Interdisciplinary Community**

Aydinoglu A. U. , Suomela T., Malone J.

ASTROBIOLOGY, vol.14, no.6, pp.451-461, 2014 (Journal Indexed in SCI)

X. **Data Sharing by Scientists: Practices and Perceptions**

Tenopir C., Allard S., Douglass K., Aydinoglu A. U. , Wu L., Read E., Manoff M., Frame M.

PLOS ONE, vol.6, no.6, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Research data management in Turkey: A survey to build an effective national data repository**
Doğan G., Taşkın Z., Aydınoglu A. U.
IFLA JOURNAL-INTERNATIONAL FEDERATION OF LIBRARY ASSOCIATIONS, vol.47, no.1, pp.51-64, 2021 (Journal Indexed in ESCI)
- II. **Türkiye Dijital Dönüşümü Nasıl Gerçekleştirebilir?**
Aydınoglu A. U.
Anahtar, vol.371, pp.10-15, 2019 (National Non-Refereed Journal)
- III. **Sosyal Fayda için Büyük Veri Analizi: Suriyeli Mülteciler için bir Durum Çalışması**
AKYOL M. A. , KILIÇ Ö. O. , TAŞKAYA TEMİZEL T., AYDINOĞLU A. U. , SÜRER E.
TSE Standard Dergisi, 2019 (National Non-Refereed Journal)
- IV. **Bilim yapmak yetmiyor bir de iletişimini mi yapmak gerek?**
AYDINOĞLU A. U.
ODTULÜ, no.65, 2018 (National Non-Refereed Journal)
- V. **STS (in) Turkey as Extitution**
Şahinol M., Aydınoglu A. U. , Kaygan H.
European Association for the Study of Science and Technology Review, vol.37, 2018 (Refereed Journals of Other Institutions)
- VI. **Akademi - İş Dünyası Birlikte Çalışırsa**
Alkan S., AYDINOĞLU A. U.
ODTÜLÜ Dergisi, no.61, pp.54-55, 2017 (National Non-Refereed Journal)
- VII. **Çok aktörlü süreçler**
AYDINOĞLU A. U. , KAYGAN P.
XXI: Mimarlık, Tasarım, Mekan, no.149, pp.34-38, 2016 (National Non-Refereed Journal)
- VIII. **Toward a new understanding of virtual research collaborations: Complex adaptive systems framework**
Aydinoglu A. U.
SAGE Open, vol.3, no.4, 2013 (Journal Indexed in ESCI)
- IX. **Scientific collaborations as complex adaptive systems**
Aydinoglu A. U.
Emergence: Complexity and Organization, vol.12, no.4, pp.15-29, 2010 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. **Bilim iletişimi ve tarihi üzerine kısa bir inceleme**

Aydınoglu A. U.

in: Türkiye'de STS: Bilim ve Teknoloji Çalışmalarına Giriş, Aydan Turanlı, Arsev Umur Aydınoglu, Melike Şahinol, Editor, İTÜ Yayınları, İstanbul, pp.59-68, 2020

II. **The Use of Big Mobile Data to Gain Multilayered Insights for Syrian Refugee Crisis**

Kılıç Ö. O. , Akyol M. A. , Işık O. , Günel Kılıç B., Aydınoglu A. U. , Sürer E., Düzgün H. Ş. , Kalaycıoğlu H. S. , Taşkaya Temizel T.

in: Guide to Mobile Data Analytics in Refugee Scenarios , Salah A., Pentland A., Lepri B., Letouzé E., Editor, Springer,

London/Berlin , Zürich, pp.347-379, 2019

III. **The Use of Big Mobile Data to Gain Multilayered Insights for Syrian Refugee Crisis**

KILIÇ Ö. O. , AKYOL M. A. , ışık o., GÜNEL KILIÇ B., AYDINOĞLU A. U. , SÜRER E., Düzgün Ş., kalaycıoğlu s., TAŞKAYA TEMİZEL T.

in: Guide to Mobile Data Analytics in Refugee Scenarios, , Editor, Springer, pp.347-379, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **NASA Astrobiology Institute: Supporting interdisciplinary research and education**
AYDINOĞLU A. U.
Astrobiology Science Conference, Seattle, United States Of America, 24 - 29 June 2019
- II. **Data Analytics without Borders: Multi-Layered Insights for Syrian Refugee Crisis**
KILIÇ Ö. O. , AKYOL M. A. , ışık o., GÜNEL KILIÇ B., AYDINOĞLU A. U. , SÜRER E., Düzgün Ş., kalaycıoğlu s., TAŞKAYA TEMİZEL T.
Data for Refugees Challenge Workshop, İstanbul, Turkey, 21 January 2019, pp.19-46
- III. **Emergence of Research Networks: WPI Case**
AYDINOĞLU A. U.
ELSI Symposium, Tokyo, Japan, 8 - 11 January 2019
- IV. **Türkiye’de Genetik ve Genomik Test Raporlamadaki Güncel Durum**
ŞIK A. S. , AYDIN SON Y., AYDINOĞLU A. U. , SOYSAL E.
STS TURKEY 2018 Toplum için Bilim ve Teknoloji Çalışmaları Konferansı, Ankara, Turkey, 10 - 11 September 2018
- V. **A Conceptual Design for Genetic Information Exchange Coding Standards in Turkey**
ŞIK A. S. , AYDIN SON Y., SOYSAL E., AYDINOĞLU A. U.
HIBIT 2017, Güzelyurt, Cyprus (Kktc), 28 - 30 June 2017
- VI. **Participatory Design Meetings: Genetic Information Included Personal Health Record Application**
ÖZKAN Ö., AYDIN SON Y., AYDINOĞLU A. U. , YALÇIN A., DÖM H. A. , YALDIZ B., NARCI K., BALOĞLU O.
HIBIT 2017, Güzelyurt, Cyprus (Kktc), 28 - 30 June 2017
- VII. **Do-it-yourself but do it together: Interdisciplinary Design Studio**
Aydinoğlu A. U. , Kaygan P.
Annual Conference of the Society for the Social Studies of Science , Barcelona, Spain, 29 August - 02 September 2016
- VIII. **Do-it-yourself but do it together: Interdisciplinary Design Studio**
Aydinoğlu A. U. , Kaygan P.
Annual Conference of the Society for the Social Studies of Science , Barcelona, Spain, 29 August - 02 September 2016
- IX. **Do you know what a sensor is peer learning in interdisciplinary design teams**
Kaygan P., Gürdere S., Aydınoğlu A., Kaygan H., Demir Ö.
Interdisciplinary Learning and Teaching: Frameworks and Practice Conference, Sheffield, United Kingdom, 07 April 2016
- X. **The social technical and policy landscape of research data management in environmental sciences in Turkey**
AYDINOĞLU A. U.
International Symposium on Information Management in a Changing World at Antalya, Turkey, Antalya, Turkey, 24 - 26 November 2014
- XI. **Environmental Researchers' Data Practices: An Exploratory Study in Turkey**
Allard S., Aydinoglu A. U.
3rd International Symposium on Information Management in a Changing World (IMCW 2012), Ankara, Turkey, 19 - 21 September 2012, vol.317, pp.13-24

Other Publications

- I. **The landscape of academic literature in quantum information technologies**
Seskir Z. C. , Aydinođlu A. U.
Other, pp.1-32, 2019
- II. **The Social Sciences Interdisciplinarity for Astronomy and Astrophysics -- Lessons from the History of NASA and Related Fields**
Berea A., Denning K. L. , Vidaurri M., Arcand K., Oman-Reagan M., Bellovary J., Aydinođlu A. U. , Lupisella M.
Other, pp.1-16, 2019
- III. **Security and Privacy Concerns Regarding Genetic Data in Mobile Health Record Systems: An Empirical Study from Turkey**
Özkan Ö., Aydın Son Y., Aydinođlu A. U.
Other, pp.1-17, 2019
- IV. **Sosyal Fayda için Büyük Veri Analizi: Suriyeli Mülteciler için bir Durum Çalışması**
Akyol M. A. , Kılıç Ö. O. , Taşkaya Temizel T., Aydinođlu A. U. , Sürer E.
Other, pp.34-41, 2019

Supported Projects

Baker D. K. , Bial M., Erden Topal Y., Erdil E., Pamukcu M. T. , Akçomak I. S. , Aydinođlu A. U. , H2020 Project, HORIZON-STE: Implementation of the Initiative for Global Leadership in Solar Thermal Electricity, 2019 - 2022
ERDİL E., AKÇOMAK İ. S. , AYDINOĐLU A. U. , PAMUKCU M. T. , Project Supported by Higher Education Institutions, Önceliklendirilmiş Alanlarda Ar-Ge Proje Destekleri: Bir Etki Analizi Çalışması, 2018 - 2019
Akçomak İ. S. , Erdil E., Şenyuva Ö., AYDINOĐLU A. U. , H2020 Project, The Future of EU-Turkey Relations. Mapping Dynamics and Testing Scenarios, 2016 - 2019

Edit Congress and Symposium Activities

ODTÜ STEAM GÜNÜ, Invited Speaker, Ankara, Turkey, 2019
ELSI Symposium, Invited Speaker, Tokyo, Japan, 2019
5. Ulusal Açık Erişim Konferansı, Ankara, Invited Speaker, Ankara, Turkey, 2017
EON Workshop on History and Philosophy of Origins Research, Invited Speaker, Tokyo, Japan, 2016
NASA Postdoctoral Program Alumni Seminar, Invited Speaker, California, United States Of America, 2015

Citations

Total Citations (WOS):593
h-index (WOS):5

Non Academic Experience

Other, World Bank Turkey Office