

Assoc. Prof. ASLI SAYLAN KIRMIZIGÜL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAM-1423-2021

ScopusID: 57208303510

Yoksis Researcher ID: 190675

Education Information

Doctorate, Erciyes University, Eğitim Fakültesi, --, Turkey 2015 - 2019

Postgraduate, Middle East Technical University, Faculty Of Education, Science and Mathematics Education, Turkey 2011 - 2014

Undergraduate, Middle East Technical University, Faculty Of Education, Elementary Science Education, Turkey 2006 - 2011

Foreign Languages

German, B1 Intermediate

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Partial Least Squares-Structural Equation Modeling, Adnan Menderes Üniversitesi, 2018

Education Management and Planning, Oyun Terapisi, Necmettin Erbakan Üniversitesi ve Pedagoji Akademia, 2018

Education Management and Planning, Summer School I Doctoral Studies in Environmental and Sustainability Education, EERA (European Educational Research Association)/ESER, 2016

Dissertations

Doctorate, The comparison of computer-aided, activity-based and inquiry-based teaching approaches in science education, Erciyes University, Eğitim Bilimleri Enstitüsü, İlköğretim/Fen Bilgisi, 2019

Postgraduate, Relationships Among Pre-service Science Teachers' Epistemological Beliefs, Knowledge Level and Trustworthiness on Information Sources: Climate Change, Nuclear Energy, and Organ Donation and Transplantation, Middle East Technical University, Faculty Of Education, İlköğretim Fen Ve Matematik Eğitimi, 2014

Research Areas

Social Sciences and Humanities, Education, Elementary School Education, Teacher Training in Natural Sciences, Education in Natural Sciences, Teacher Training

Academic Titles / Tasks

Associate Professor, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2022 - Continues
Research Assistant PhD, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2019 - 2022
Research Assistant, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2012 - 2019

Academic and Administrative Experience

Erciyes University, 2021 - Continues
Erciyes University, 2021 - Continues
Erciyes University, 2021 - Continues
Erciyes University, 2020 - Continues
Erciyes University, 2020 - Continues
Accreditation Commission, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2019 - Continues
Erciyes University, 2019 - Continues
Birim Kalite Komisyonu Üyesi, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2018 - Continues
Erciyes University, 2017 - Continues
Erciyes University, 2017 - Continues
Strategic Plan Development Board, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2016 - Continues
Scholarship Commission, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2016 - Continues
Erciyes University, 2016 - Continues
Erciyes University, 2016 - Continues
Erciyes University, 2016 - Continues
Horizontal Transfer, Exemption and Adjustment Board, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2015 - Continues
Erciyes University, 2015 - Continues
Erciyes University, 2014 - Continues
Educational Sciences and Technologies Application and Research Center Advisory Board Member, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2019 - 2020
Erciyes University, 2019 - 2020
Strategic Plan Development Board, Erciyes University, Eğitim Bilimleri Enstitüsü, -, 2017 - 2018

Courses

Science Teaching, Undergraduate, 2023 - 2024, 2022 - 2023
Practice Teaching 1, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Basic Sciences in Primary School, Undergraduate, 2022 - 2023, 2020 - 2021
Practice Teaching 2, Undergraduate, 2022 - 2023, 2020 - 2021
Affective Variables in Science Education, Doctorate, 2022 - 2023
Science Learning and Teaching Approaches, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021
Scientific Reasoning Skills, Undergraduate, 2022 - 2023
History and Philosophy of Science, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Teaching of Socioscientific Issues in Science Education, Undergraduate, 2023 - 2024, 2022 - 2023
Open and Distance Learning, Undergraduate, 2022 - 2023
Seminar, Postgraduate, 2023 - 2024, 2022 - 2023
Epistemological Beliefs and the Nature of Science in Science Education, Doctorate, 2022 - 2023
Science Teaching Laboratory Applications I, Undergraduate, 2021 - 2022, 2020 - 2021
Computer II, Undergraduate, 2020 - 2021
Science Laboratory Applications, Undergraduate, 2021 - 2022
Science Teaching Laboratory Applications II, Undergraduate, 2020 - 2021
Practice Teaching II, Undergraduate, 2020 - 2021
Nature of Science and History of Science, Undergraduate, 2020 - 2021
Scientific Research Methods, Undergraduate, 2019 - 2020
Science and Research Ethics, Undergraduate, 2019 - 2020
Laboratory Applications in Science Teaching II, Undergraduate, 2018 - 2019
Practice Teaching, Undergraduate, 2019 - 2020
Laboratory Applications in Science Teaching I, Undergraduate, 2019 - 2020
Practice Teaching, Undergraduate, 2018 - 2019
School Experience, Undergraduate, 2019 - 2020

Advising Theses

Saylan Kırmızıgül A., A Case Study on Pre-service Science Teachers' Use of Digital Stories in Sustainable Development Education, Postgraduate, F.SANDAL(Student), 2024

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Erciyes Üniversitesi, February, 2024
Post Graduate, Post Graduate, Erciyes Üniversitesi, January, 2024
Doctoral Examination, Doctoral Examination, Erciyes Üniversitesi, December, 2023
Post Graduate, Post Graduate, Erciyes Üniversitesi, September, 2023
Post Graduate, Post Graduate, Erciyes Üniversitesi, May, 2023
Post Graduate, Post Graduate, Erciyes Üniversitesi, August, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pre-service Science Teachers' Epistemic Beliefs, Nature of Science Views, and Beliefs in Pseudoscience**
Kizkapan O., Nacaroğlu O., Saylan Kırmızıgül A.
SCIENCE & EDUCATION, vol.33, 2024 (SCI-Expanded)
- II. **Algodoo based STEM education: A case study of pre-service science teachers**
Gül K., Saylan Kırmızıgül A.
EDUCATION AND INFORMATION TECHNOLOGIES, vol.28, no.4, pp.4203-4220, 2023 (SSCI)
- III. **The effects of STEM activities on 6th grade students' conceptual development of sound**
Dedetürk A., Saylan Kırmızıgül A., Kaya H.
Journal Of Baltic Science Education, vol.20, no.1, pp.21-37, 2021 (SSCI)

Articles Published in Other Journals

- I. **A rollercoaster STEM activity involving virtual reality**
KIZILAY E., Onal N. T., SAYLAN KIRMIZIGÜL A.
SCIENCE ACTIVITIES-PROJECTS AND CURRICULUM IDEAS IN STEM CLASSROOMS, no.2, pp.95-105, 2024 (ESCI)
- II. **Robotic Coding Perceptions of Middle School Students**
Gökçe H., Gökçe Z., Bektaş O., Saylan Kırmızıgül A.
JOURNAL OF EDUCATION AND FUTURE-EGITIM VE GELECEK DERGISI, vol.25, pp.31-44, 2024 (ESCI)
- III. **Laboratory Use Self-Efficacy of Turkish Pre-Service Science Teachers Trained in Different Teacher Education Programmes**
Kızıkan O., Tanık Önal N., Saylan Kırmızıgül A.
CENTER FOR EDUCATIONAL POLICY STUDIES JOURNAL, vol.14, pp.1-19, 2023 (Scopus)
- IV. **I Am Learning Destructive Natural Disasters: Technology Enriched "My Hero Water Drop Activity"**
Öner Armağan F., Canbazoglu Bilici S., Saylan Kırmızıgül A., Demirezen S.
Participatory Educational Research, vol.10, no.5, pp.64-80, 2023 (Scopus)
- V. **Advantages and Challenges of STEM Education in K-12: Systematic Review and Research Synthesis**
Gül K., Saylan Kırmızıgül A., Ateş H., Garzón J.
IJRES : INTERNATIONAL JOURNAL OF RESEARCH IN EDUCATION AND SCIENCE, vol.9, no.2, pp.283-307, 2023 (Peer-Reviewed Journal)
- VI. **The Impact of Technology-Supported Interdisciplinary Integration on Critical Thinking and Creativity: The Perspective of Pre-Service Teachers**
KIZILAY E., SAYLAN KIRMIZIGÜL A., ÇEVİK M.
Participatory Educational Research, vol.10, no.3, pp.247-265, 2023 (Scopus)
- VII. **The Investigation of the Research on Out-of-School Learning Activities in Turkey: A Systematic Review**
METİN M., OKER E., SAYLAN KIRMIZIGÜL A.
Journal of Science Learning, 2022 (Peer-Reviewed Journal)
- VIII. **Adaptation of the Teacher Self-efficacy Scale to Implement Self-regulated Learning into Turkish: The Sample of Pre-Service Teachers**
Saylan Kırmızıgül A., Kızıkan O., Tanık Önal N.
Yükseköğretim ve Bilim Dergisi, vol.12, no.2, pp.369-379, 2022 (Peer-Reviewed Journal)
- IX. **Review of STEM Education in Primary and Secondary Education in Turkey**
Sungur Gül K., Saylan Kırmızıgül A., Ateş H.
Batı Anadolu Eğitim Bilimleri Dergisi, vol.13, no.1, pp.544-568, 2022 (Peer-Reviewed Journal)
- X. **Investigation of the Pre-Service Classroom Teachers' Views About Virtual Laboratories in Distance Education**
Kızılay E., Saylan Kırmızıgül A.
Muallim Rifat Eğitim Fakültesi Dergisi, vol.4, no.1, pp.1, 2022 (Peer-Reviewed Journal)
- XI. **A Makey-Makey Based STEM Activity for Children**
Tanık Önal N., Saylan Kırmızıgül A.
SCIENCE ACTIVITIES CLASSROOM PROJECTS AND CURRICULUM IDEAS, vol.58, no.4, pp.166-182, 2021 (ESCI)
- XII. **Algodoo for Interactive Learning: Effects on Students' Achievement and Motivation Towards Science**
Saylan Kırmızıgül A.
Shanlax International Journal of Education, vol.9, no.4, pp.352-358, 2021 (Peer-Reviewed Journal)
- XIII. **Pre-service Teachers' Opinions and Visual Images About Science Laboratory**
Saylan Kırmızıgül A., Kızılay E., Hamalosmanoğlu M.
Shanlax International Journal of Education, vol.9, no.4, pp.190-195, 2021 (Peer-Reviewed Journal)
- XIV. **Investigation of the preservice teachers' science-pseudoscience distinction and epistemological beliefs**
Tanık Önal N., Saylan Kırmızıgül A.
Journal of Pedagogical Research, vol.5, no.3, pp.55-67, 2021 (Peer-Reviewed Journal)
- XV. **Science Laboratory Use Self-efficacy Scale: Validity and Reliability Study**

- Kizkapan O., Saylan Kırmızıgöl A.
Trakya Eğitim Dergisi, vol.11, no.1, pp.425-438, 2021 (Peer-Reviewed Journal)
- XVI. **Investigation of the Pre-service Science Teachers' Perceptions of Protists**
Saylan Kırmızıgöl A., Kızılay E.
Pedagogical Research, vol.5, no.4, pp.1-10, 2020 (Peer-Reviewed Journal)
- XVII. **Determining the Factors Affecting the Teaching Profession Choices of Pre-service Science Teachers**
Saylan Kırmızıgöl A., Kızılay E.
Öğretmen Eğitimi ve Öğretim, vol.1, no.1, pp.1, 2020 (Peer-Reviewed Journal)
- XVIII. **Investigation of the Pre-service Classroom Teachers' Opinions About Scientific Literacy**
Kızılay E., Saylan Kırmızıgöl A.
Uluslararası Karamanoğlu Mehmetbey Eğitim Araştırmaları Dergisi, vol.2, no.1, pp.1, 2020 (Peer-Reviewed Journal)
- XIX. **Preservice Classroom Teachers' Awareness of the Science Curriculum Learning Outcomes**
Kızılay E., Saylan Kırmızıgöl A.
Karaelmas Eğitim Bilimleri Dergisi, vol.8, no.1, pp.1, 2020 (Peer-Reviewed Journal)
- XX. **The effects of using animated films in the environmental education course on prospective teachers' behavior towards environmental problems and their attitude towards solid waste and recycling**
Hamalosmanoğlu M., Kızılay E., Saylan Kırmızıgöl A.
International Online Journal of Education and Teaching, vol.7, no.3, pp.1, 2020 (Peer-Reviewed Journal)
- XXI. **The Effect of STEM Activities on Students' Achievement in "Sound" Subject**
Dedetürk A., Saylan Kırmızıgöl A., Kaya H.
Pamukkale Üniversitesi Eğitim Fakültesi Dergisi, vol.49, pp.134-161, 2020 (ESCI)
- XXII. **Development Study of an Achievement Test Regarding 6th Grade Light and Sound Subject**
Yanar S., Saylan Kırmızıgöl A., Kaya H.
SDU International Journal of Educational Studies, vol.6, no.2, pp.53-72, 2019 (Peer-Reviewed Journal)
- XXIII. **Pre-service Science Teachers' Views Regarding the Relationship Between the Disciplines**
Kızılay E., Saylan Kırmızıgöl A.
Adnan Menderes Üniversitesi Eğitim Fakültesi Eğitim Bilimleri Dergisi, vol.10, no.1, 2019 (Peer-Reviewed Journal)
- XXIV. **A Study on Developing a Reliable and Valid Achievement Test on 'Light Reflection in Mirrors and Light Absorption' Subject**
Saylan Kırmızıgöl A., Kaya H.
Kuramsal Eğitimbilim Dergisi, vol.12, no.2, pp.474-493, 2019 (Peer-Reviewed Journal)
- XXV. **Investigation of the Effects of Using Portfolio as an Alternative Assessment and Evaluation Approach on Students' Academic Achievement and Permanence of Learning in Science Course**
Saylan Kırmızıgöl A., Yanar S., Kaya H.
Anemon Muş Alparslan Üniversitesi Sosyal Bilimler Dergisi, vol.7, no.2, pp.21-31, 2019 (Peer-Reviewed Journal)
- XXVI. **An Assessment of Secondary School Students' Self-regulated Learning Skills in terms of Several Variables**
Divarcı Ö. F., Saylan Kırmızıgöl A., Ezberci Çevik E., Kaya H.
Uluslararası Sosyal ve Beşeri Bilimler Araştırmaları Dergisi (JSHSR), no.33, pp.449-460, 2019 (Peer-Reviewed Journal)
- XXVII. **Investigation of pre-service science teachers' epistemological beliefs**
Kırmızıgöl A., Bektaş O.
Cypriot Journal of Educational Sciences, vol.14, pp.146-157, 2019 (Scopus)
- XXVIII. **Teachers' Views Regarding the New 5th Grade Science Curriculum**
Çevik A., Ezberci Çevik E., Saylan Kırmızıgöl A., Kaya H.
Anadolu Öğretmen Dergisi, vol.2, no.2, pp.29-56, 2018 (Peer-Reviewed Journal)
- XXIX. **Examining self-regulation skills of elementary school students**
KIZKAPAN O., BEKTAŞ O., SAYLAN KIRMIZIGÖL A.
Cypriot Journal of Educational Sciences, vol.13, no.4, pp.613-624, 2018 (Scopus)
- XXX. **Using Technology in Education from the Pre-service Science and Mathematics Teachers' Perspectives**

SAYLAN A., TANIK ÖNAL N., Önal N.

International Education Studies, vol.11, no.10, pp.28-41, 2018 (Peer-Reviewed Journal)

- XXXI. **Öğretmen Adaylarının Fen Bilimleri Dersinin Drama Yöntemi ile İşlenmesine Yönelik Öz Yeterlik ve Tutumlarının Belirlenmesi**
Altıntaş E., Saylan A., Kaya H.
JASSS (The Journal of Academic Social Science Studies), no.49, pp.419-437, 2016 (Peer-Reviewed Journal)
- XXXII. **The Relationship between Pre-Service Science Teachers' Epistemological Beliefs and Preferences for Creating a Constructivist Learning Environment**
SAYLAN A., ÖNER ARMAĞAN F., BEKTAŞ O.
European Journal of Science and Mathematics Education, vol.4, no.2, pp.251-267, 2016 (Scopus)
- XXXIII. **Views of Pre-service Teachers on the Use of Drama Method in Science Course**
Saylan A., Altıntaş E., Kaya H.
Uluslararası Eğitim Bilimleri Dergisi, no.6, pp.353-366, 2016 (Peer-Reviewed Journal)
- XXXIV. **OPINIONS OF TEACHERS ON "THIS IS MY WORK" PROJECT COMPETITION**
Özkan F., ÖNER ARMAĞAN F., BEKTAŞ O., SAYLAN A.
Journal of History School, vol.8, pp.211-243, 2015 (Peer-Reviewed Journal)
- XXXV. **Pre-Service Science Teachers'views Regarding Computer-Aided Instruction**
er i, BEKTAŞ O., ÖNER ARMAĞAN F., SAYLAN A.
The Journal of International Social Research, vol.8, no.39, pp.628-641, 2015 (Peer-Reviewed Journal)
- XXXVI. **Investigation of the Relationship between Pre-service Science Teachers'Epistemological Beliefs and Beliefs about Nature of Science**
SAYLAN A., BEKTAŞ O., ÖNER ARMAĞAN F.
Mevlana International Journal of Education (MIJE), vol.5, no.2, pp.96-116, 2015 (Peer-Reviewed Journal)
- XXXVII. **Investigation of Pre-Service Science Teachers' Academic Self-Efficacy and Academic Motivation toward Biology**
Ateş H., SAYLAN A.
International Journal of Higher Education, vol.4, pp.90-103, 2015 (Scopus)
- XXXVIII. **Investigation of "Matter and Change" through Spiral Curriculum Model: Turkey Sample**
GÜRBÜZTÜRK O., GÜRLEYÜK G. C., SAYLAN A.
Procedia-Social and Behavioral Sciences, vol.116, pp.4604-4611, 2014 (Peer-Reviewed Journal)
- XXXIX. **Evaluation of the Little Scientists' Science School Which Was Organized for 6th and 7th Graders**
Marulcu İ., Saylan A., Güven E.
Mustafa Kemal Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, vol.11, no.25, pp.341-352, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Erişilebilir ve Temiz Enerji Amacının Öğretim Programlarındaki Yeri**
Saylan Kırmızıgül A., Sandal F.
in: Türkiye'de Sürdürülebilir Kalkınma Eğitiminin Öğretim Programlarındaki Yeri: İlköğretim ve Ortaöğretim Kademeleri, Esra KIZILAY, Mustafa HAMALOSMANOĞLU, Editor, Vizetek, Ankara, pp.105-120, 2024
- II. **Çalışma deseni ve çalışma grubu**
Saylan Kırmızıgül A., Öner Armağan F.
in: Nitel Araştırma Süreci ve Uygulamaları, Oktay BEKTAŞ, Tuğrul Gökmen ŞAHİN, Editor, Asos Yayıncılık, Elazığ, pp.177-187, 2023
- III. **Fenomenoloji**
Öner Armağan F., Saylan Kırmızıgül A.
in: Nitel Araştırma Süreci ve Uygulamaları, Oktay BEKTAŞ, Tuğrul Gökmen ŞAHİN, Editor, Asos Yayıncılık, Elazığ, pp.43-53, 2023
- IV. **Çok Değişkenli Varyans Analizi (MANOVA)**

EZBERCİ ÇEVİK E., SAYLAN KIRMIZIGÜL A.

in: NİCEL ARAŞTIRMALARDA İSTATİSTİK (SPSS) UYGULAMALARI, Oktay BEKTAŞ, Oktay KIZKAPAN, Editor, NOBEL, Ankara, pp.223-244, 2023

V. Engaging pre-service teachers and children in STEM through educational simulations

Saylan Kirmizigül A., Kızılay E.

in: STEM, Robotics, Mobile Apps in Early Childhood and Primary Education – Technology to promote teaching and learning, Michail Kalogiannakis, Stamatis Papadakis, Editor, Springer, London/Berlin, London, pp.79-99, 2022

VI. Interdisciplinary perspective on the history of science

Kızıkan O., Saylan Kirmizigül A.

in: Interdisciplinary SCIENCE TEACHING, Kızılay Esra, Çevik Mustafa, Editor, Eğiten, Ankara, pp.245-277, 2022

VII. Engineering-Based STEM Applications in Distance Education

Saylan Kirmizigül A.

in: STEM Applications with Sample Activities in the Distance Education Process, Adem Yılmaz, Buket Ertuğrul Akyol, Meryem Nur Aydede, Editor, Pegem A Yayıncılık, Ankara, pp.201-215, 2021

VIII. STEM Education

Saylan Kirmizigül A.

in: Teaching Science in Primary School, OKUR Murat, ORHAN Ahmet Turan, Editor, Vize Yayıncılık, Ankara, pp.369-383, 2021

IX. STEM Education with Simulation-Based Learning

Saylan Kirmizigül A.

in: Applied STEM Education with Teaching and Learning Approaches in Lesson Plans, Mustafa Çevik, Editor, Pegem A Yayıncılık, Ankara, pp.229-241, 2020

X. Simulation Programs

Saylan Kirmizigül A.

in: Technology Applications in Education, Nezh Önal, Editor, PEGEM AKADEMİ, Ankara, pp.68-101, 2018

XI. Stem Cell Technology

Saylan A.

in: Special Topics in Biology, Afyon A., Editor, Nobel Yayınevi, Ankara, pp.29-46, 2015

Refereed Congress / Symposium Publications in Proceedings

I. Teacher, Teaching and School from the Perspective of Pre-service Science Teachers

Saylan Kirmizigül A., Kızılay E., Tanık Önal N.

ESERA, 30 August - 03 September 2021, pp.1

II. Fen Bilgisi Öğretmen Adaylarının Öğretmenlik Mesleği Seçimlerinde Etkili Olan Etkenlerin Belirlenmesi

Saylan Kirmizigül A., Kızılay E.

I. Ulusal Çevrimiçi Disiplinlerarası Fen Eğitimi Öğretmenler Konferansı, Ankara, Turkey, 4 - 05 July 2020, pp.1

III. Sınıf Öğretmeni Adaylarının Fen Bilimlerine İlişkin Görüşlerinin İncelenmesi

SAYLAN KIRMIZIGÜL A., HAMALOSMANOĞLU M., KIZILAY E.

3. Uluslararası Sosyal Bilimler Kongresi (USBİK 2020), 29 - 31 January 2020

IV. Sınıf Öğretmeni Adaylarının Fen Laboratuvarına İlişkin Görüşlerinin İncelenmesi

SAYLAN KIRMIZIGÜL A., HAMALOSMANOĞLU M., KIZILAY E.

3. Uluslararası Sosyal Bilimler Kongresi (USBİK 2020), 29 - 31 January 2020

V. Sınıf Öğretmeni Adaylarının Fen Okuryazarlığına İlişkin Görüşleri

Kızılay E., Saylan Kirmizigül A.

3. Uluslararası Sosyal Bilimler Kongresine (USBİK 2020), Kayseri, Turkey, 29 - 31 January 2020, pp.1

VI. Sınıf Öğretmeni Adaylarının Fen Bilimleri Dersi Kazanımlarıyla İlgili Farkındalıkları

Kızılay E., Saylan Kirmizigül A.

3. Uluslararası Sosyal Bilimler Kongresine (USBİK 2020), Kayseri, Turkey, 29 - 31 January 2020, pp.1

- VII. **Sınıf Öğretmeni Adaylarının Fen Bilimlerine İlişkin Görüşlerinin İncelenmesi**
Saylan Kırmızıgül A., Hamalosmanoğlu M., Kızılay E.
3. Uluslararası Sosyal Bilimleri Kongresine (USBİK 2020), Kayseri, Turkey, 29 - 31 January 2020, pp.1
- VIII. **Sınıf Öğretmeni Adaylarının Fen Laboratuvarına İlişkin Görüşlerinin İncelenmesi**
Saylan Kırmızıgül A., Hamalosmanoğlu M., Kızılay E.
3. Uluslararası Sosyal Bilimleri Kongresi (USBİK 2020), Kayseri, Turkey, 29 - 31 January 2020
- IX. **Fen Bilgisi Öğretmen Adaylarının Sindirim Sistemi Konusundaki Görsel Algılarının İncelenmesi**
Hamalosmanoğlu M., Kızılay E., Saylan Kırmızıgül A.
III. Ulusal Biyoloji Eğitimi Kongresi, Rize, Turkey, 21 - 22 December 2019, pp.1-2
- X. **Fen Bilgisi Öğretmen Adaylarının Sindirim Sistemi Konusundaki Görsel Algılarının İncelenmesi**
HAMALOSMANOĞLU M., KIZILAY E., SAYLAN KIRMIZIGÜL A.
III. Ulusal Biyoloji Eğitimi Kongresi, Rize, Turkey, 21 - 22 December 2019
- XI. **Fen Bilgisi Öğretmen Adaylarının Dolasım Sistemi ve Kalbin Yapısı Konusundaki Görsel Algılarının İncelenmesi**
HAMALOSMANOĞLU M., SAYLAN KIRMIZIGÜL A., KIZILAY E.
III. Ulusal Biyoloji Eğitimi Kongresi, Rize, Turkey, 21 - 22 December 2019
- XII. **Fen Bilgisi Öğretmen Adaylarının Dolaşım Sistemi ve Kalbin Yapısı Konusundaki Görsel Algılarının İncelenmesi**
Hamalosmanoğlu M., Saylan Kırmızıgül A., Kızılay E.
III. Ulusal Biyoloji Eğitimi Kongresi, Rize, Turkey, 21 - 22 December 2019, vol.1, pp.1-2
- XIII. **İlköğretim Matematik Öğretmen Adaylarının Okul Dışı Öğrenme Ortamlarına İlişkin Görüşleri**
SEVGİ S., SAYLAN KIRMIZIGÜL A., KIZILAY E.
1. Uluslararası İnfomal Öğrenme Kongresi (ICIL), Nevşehir, Turkey, 1 - 03 November 2019
- XIV. **Fen Bilgisi Öğretmen Adaylarının Okul Dışı Öğrenme Ortamlarına İlişkin Görüşleri**
Saylan Kırmızıgül A., Kızılay E., Sevgi S.
1. Uluslararası İnfomal Öğrenme Kongresi, Nevşehir, Turkey, 1 - 03 November 2019, pp.1
- XV. **Okul Dışı Ortamlarda Öğretim Motivasyonu Ölçeği**
Kızılay E., Sevgi S., Saylan Kırmızıgül A.
1. Uluslararası İnfomal Öğrenme Kongresi, Nevşehir, Turkey, 1 - 03 November 2019, vol.1, pp.1-2
- XVI. **Comparison of Computer-aided and Hands-on Teaching Approaches on Students'xx Anxiety Towards Science**
SAYLAN KIRMIZIGÜL A., KAYA H.
European Science Education Research Association (ESERA), Bologna, Italy, 26 - 30 August 2019
- XVII. **Comparison of Computer-aided Instruction and Inquiry-based Teaching on Students' Anxiety Towards Science**
KAYA H., SAYLAN KIRMIZIGÜL A.
INTERNATIONAL CONFERENCE ON NEW HORIZONS IN EDUCATION, Prag, Czech Republic, 3 - 05 July 2019
- XVIII. **Investigation of the Attitudes of Eighth Grade Students to Socio-Scientific Issues**
Çevik A., Ezberci Çevik E., Saylan Kırmızıgül A., Kaya H.
Uluslararası Fen, Matematik, Girişimcilik ve Teknoloji Eğitimi Kongresi, İzmir, Turkey, 12 - 14 April 2019, pp.1
- XIX. **Sınıf ve Fen Bilgisi Öğretmen Adaylarının Bilim-Sözde Bilim Ayrım Düzeylerinin İncelenmesi**
SAYLAN KIRMIZIGÜL A.
International Conference on Science, Mathematics, Entrepreneurship and Technology Education (FGMTEK), 12 - 14 April 2019
- XX. **Öğretmen Adaylarının Okul Deneyimi ve Öğretmenlik Uygulaması Derslerine İlişkin Görüşlerinin Değerlendirilmesi**
Divarcı Ö. F., Saylan Kırmızıgül A., Kaya H.
X. International Congress of Educational Research (EAB), Nevşehir, Turkey, 27 - 30 April 2018
- XXI. **"Aynalarda Yansıma ve Işığın Soğrulması" Ünitesine Yönelik Açık Uçlu Sorulardan Oluşan Bir Başarı Testi Geliştirme Çalışması**
Saylan Kırmızıgül A., Yanar S., Kaya H.

- X. International Congress of Educational Research (EAB), Nevşehir, Turkey, 27 - 30 April 2018
- XXII. **Ortaokul Öğrencilerinin Okul Dışında Fene, Gelecekteki Planlarına, Bilim ve Teknolojiye ve Okula Yönelik Tutumları**
Divarcı Ö. F., Saylan Kırmızıgül A., Kaya H.
X. International Congress of Educational Research (EAB), Nevşehir, Turkey, 27 - 30 April 2018
- XXIII. **7. Sınıf Fen Bilimleri Dersi "Aynalarda Yansıma ve Işığın Soğrulması" Ünitesine Yönelik Başarı Testi Geliştirme Çalışması**
Saylan Kırmızıgül A., Kaya H.
X. International Congress of Educational Research (EAB), Nevşehir, Turkey, 27 - 30 April 2018
- XXIV. **Perceptions and Attitudes of Pre-service and In-service Teachers Toward Technology**
KIZILAY E., SAYLAN A., Marulcu İ.
IIIrd International Eurasian Educational Research Congress, Muğla, Turkey, 31 May - 03 June 2016
- XXV. **Ortaokul 8.Sınıf Öğrencilerinin Karışımlar Konusuna Yönelik Tutumlarının İncelenmesi**
Demir N., SAYLAN A., AKARSU B., BEKTAŞ O.
IIIrd International Eurasian Educational Research Congress, Muğla, Turkey, 31 May - 03 June 2016
- XXVI. **Ortaokul öğrencilerinin öz düzenleme becerilerinin incelenmesi**
KIZKAPAN O., BEKTAŞ O., SAYLAN A.
3. International Eurasian Educational Research Congress (EJER), Muğla, Turkey, 31 May - 03 June 2016
- XXVII. **Pre-Service Science Teachers' Epistemological Beliefs, Knowledge Level and Trustworthiness on Information Sources Regarding Socioscientific Issues**
SAYLAN A., Yılmaz Tüzün Ö.
NARST: The National Association for Research in Science Teaching, Baltimore, United States Of America, 14 - 17 April 2016, pp.45
- XXVIII. **Bu benim eserim proje yarışması hakkındaki öğretmen görüşleri**
Özkan F., ÖNER ARMAĞAN F., BEKTAŞ O., SAYLAN A.
II. International Eurasian Educational Research Congress, Ankara, Turkey, 8 - 10 June 2015
- XXIX. **Investigation of Pre service Science Teachers Academic Self efficacy and Academic Motivation toward Biology**
ATEŞ H., SAYLAN A.
IInd International Eurasian Educational Research Congress (EJER), 8 - 10 June 2015
- XXX. **Fen Bilgisi Öğretmen Adaylarının Bilgisayar Kullanma Düzeylerine ve Bilgisayar Destekli Öğretime Yönelik Düşünceleri**
er i., BEKTAŞ O., ÖNER ARMAĞAN F., SAYLAN A.
IInd International Eurasian Educational Research Congress (EJER), 8 - 10 June 2015
- XXXI. **Investigation of Matter and Change through spiral curriculum model in the 5 8th grades science and technology programme Turkey Sample**
GÜRBÜZTÜRK O., HAMURCU G. C., SAYLAN A.
5th World Conference on Educational Sciences (WCES), 6 - 08 February 2013, vol.116, pp.4604-4611
- XXXII. **Pre-Service Science Teachers' Knowledge, Attitude, And Behavior Towards Sustainable Development**
SAYLAN A.
International Conference on Innovation and Challenges in Education (CICE), Kütahya, Turkey, 26 - 28 April 2013

Supported Projects

SAYLAN KIRMIZIGÜL A., CEYLAN K., Project Supported by Higher Education Institutions, Dijital Hikaye Destekli Argümantasyon Uygulamalarının Başarı Argümantasyon Kalitesi ve Eleştirel Düşünme Becerisine Etkisi, 2024 - Continues

Saylan Kırmızıgül A., H2020 Project, HORIZON-MSCA-2023-CITIZENS-01-01: Researchers' Night for Citizens & Researchers' Meeting for Science and Art Centers, 2024 - 2025

Doğan R. A., Saylan Kırmızıgül A., TÜBİTAK Project, Sanal Laboratuvar Uygulamalarının Ortaokul Öğrencilerinin STEM

Kariyer İlgisi ve Tercihleri ile Fen Başarılarına Etkilerinin İncelenmesi, 2022 - 2023

Saylan Kırmızıgül A., Kızılay E., TÜBİTAK Project, Disiplinler Arası Etkinliklerle Fen ve Matematik Entegrasyonu, 2021 - 2021

Bektaş O., Aydın L., SAYLAN KIRMIZIGÜL A., TÜBİTAK Project, Kayseri Bilim Merkezi 5. Bilim Şenliği, 2021 - 2021

Saylan Kırmızıgül A., Hamalosmanoğlu M., TÜBİTAK Project, Etkinliklerle Sürdürülebilir Kalkınma Eğitimi, 2021 - 2021

Saylan Kırmızıgül A., Kızılay E., TÜBİTAK Project, Uzaktan Eğitimde Fen Bilimlerine Teknoloji Entegrasyonu Kursu, 2021 - 2021

Taş E., Kızılay E., Hamalosmanoğlu M., SAYLAN KIRMIZIGÜL A., TÜBİTAK Project, Dev-Bilim Şenliği, 2020 - 2021

KAYA H., SAYLAN A., Project Supported by Higher Education Institutions, Fen Eğitiminde Bilgisayar Destekli Etkinlik

Temelli ve Sorgulamaya Dayalı Öğretim Yaklaşımlarının Karşılaştırılması, 2017 - 2019

Activities in Scientific Journals

Teacher Education and Instruction, Committee Member, 2020 - Continues

International Journal of Elementary Education, Committee Member, 2019 - Continues

Journal of Studies in Education, Committee Member, 2018 - Continues

Memberships / Tasks in Scientific Organizations

European Science Education Research Association (ESERA), Member, 2019 - Continues, Italy

The National Association for Research in Science Teaching (NARST), Member, 2016 - Continues, United States Of America

Scientific Refereeing

The 15th Conference of the European Science Education Research Association (ESERA 2023), Conference Paper (Full Text), March 2023

Batı Anadolu Eğitim Bilimleri Dergisi(BAEBD), Other Indexed Journal, March 2023

TECHNOLOGY, KNOWLEDGE AND LEARNING, Journal Indexed in ESCI, January 2023

Pamukkale Üniversitesi Eğitim Fakültesi Dergisi, Journal Indexed in ESCI, December 2022

Mersin Üniversitesi Eğitim Fakültesi Dergisi, Other Indexed Journal, August 2022

Journal of Education in Science Environment and Health, Other Indexed Journal, July 2022

İnformel Ortamlarda Araştırmalar Dergisi, Other Indexed Journal, July 2022

Anadolu Üniversitesi Eğitim Fakültesi Dergisi, Other Indexed Journal, June 2022

Journal of Innovative Research in Teacher Education, Other Indexed Journal, June 2022

Frontiers in Education , Journal Indexed in ESCI, June 2022

Van Yüzüncü Yıl Üniversitesi Eğitim Fakültesi Dergisi, Other Indexed Journal, May 2022

Uluslararası Karamanoğlu Mehmetbey Eğitim Araştırmaları Dergisi, Other Indexed Journal, March 2022

TÜBİTAK Project, 2204-A High School Students Research Projects Competition , 2204-B Ortaokul Öğrencileri Araştırma Projeleri Yarışması, Turkey, March 2022

Journal Of Biological Education, SCI Journal, January 2022

Journal of Educational Technology and Online Learning, Other Indexed Journal, December 2021

Nevşehir Hacı Bektaş Veli Üniversitesi SBE Dergisi, Other Indexed Journal, December 2021

95th NARST annual International Conference, Conference Paper (Full Text), September 2021

Turkish Online Journal of Distance Education, Journal Indexed in ESCI, September 2021

Ahi Evran Üniversitesi Kırşehir Eğitim Fakültesi Dergisi, Other Indexed Journal, September 2021

The 24th Multi-conference on Systemics, Cybernetics and Informatics: WMSCI 2021, Conference Paper (Full Text), July 2021

14. Ulusal Fen Bilimleri ve Matematik Eğitimi Kongresi (UFBMEK 2021), Conference Paper (Abstract), May 2021
Necatibey Eğitim Fakültesi Elektronik Fen ve Matematik Eğitimi Dergisi, Other Indexed Journal, May 2021
e-Kafkas Eğitim Araştırmaları Dergisi, Other Indexed Journal, May 2021
Electronic Journal for Research in Science & Mathematics Education, Other Indexed Journal, May 2021
International Journal of Psychology and Educational Studies, Other Indexed Journal, May 2021
Boğaziçi Üniversitesi Eğitim Dergisi, Other Indexed Journal, April 2021
The 14th Conference of the European Science Education Research Association (ESERA 2021), Conference Paper (Full Text), March 2021
Fen Matematik Girişimcilik ve Teknoloji Eğitimi Dergisi, Other Indexed Journal, February 2021
Abant İzzet Baysal Üniversitesi Eğitim Fakültesi Dergisi, Other Indexed Journal, January 2021
eYFOR-XI Uluslararası Eğitim Yönetimi Forumu, Conference Paper (Abstract), November 2020
SAGE OPEN, Journal Indexed in SSCI, November 2020
İnönü Üniversitesi Eğitim Bilimleri Enstitüsü Dergisi, Other Indexed Journal, October 2020
Erciyes Journal of Education, Other Indexed Journal, October 2020
The 24th Multi-conference on Systemics, Cybernetics and Informatics: WMSCI 2020, Conference Paper (Full Text), September 2020
İnönü Üniversitesi Eğitim Fakültesi Dergisi, Other Indexed Journal, August 2020
Ondokuz Mayıs Üniversitesi Eğitim Fakültesi Dergisi, Other Indexed Journal, July 2020
Journal of Theoretical Educational Science, Other Indexed Journal, July 2020
Trakya Eğitim Dergisi, Other Indexed Journal, May 2020
Journal Of Baltic Science Education, Journal Indexed in SSCI, April 2020
Eğitim Teknolojisi Kuram ve Uygulama, Other Indexed Journal, April 2020
Cypriot Journal of Educational Sciences (CJES), Other Indexed Journal, March 2020
Bartın Üniversitesi Eğitim Fakültesi Dergisi, Other Indexed Journal, December 2019
Maarif Mektepleri uluslararası eğitim bilimleri dergisi, Other Indexed Journal, November 2019
Global Research in Higher Education, Other Indexed Journal, October 2019
Eurasian Journal of Educational Research (EJER), Journal Indexed in ESCI, June 2019
Pegem Eğitim ve Öğretim Dergisi, Journal Indexed in ESCI, May 2019
Journal of Global Research in Education and Social Science, Other Indexed Journal, December 2018
Asian Journal of Education and Social Studies, Other Indexed Journal, December 2018
Journal of Studies in Education, Other Indexed Journal, November 2018

Scientific Consultations

El Ruha International Conference on Social Sciences, Scientific Consultancy, Erciyes University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, Turkey, 2020 - Continues

Tasks In Event Organizations

Saylan Kırmızıgül A., Kızılay E., ASES INTERNATIONAL KAYSERİ SCIENTIFIC RESEARCH CONGRESS , Scientific Congress, Turkey, Eylül 2023

Saylan Kırmızıgül A., ASES SOCIAL SCIENCES CONGRESS, Scientific Congress, Diyarbakır, Turkey, Mayıs 2022

Scientific Research / Working Group Memberships

Stem Eğitimi Araştırma Grubu , Erciyes University, Turkey, <https://avesis.erciyes.edu.tr/arastirma-grubu/erustemedu>, 2023 - Continues

Metrics

Publication: 88

Citation (WoS): 7

Citation (Scopus): 11

H-Index (WoS): 4

H-Index (Scopus): 2

Congress and Symposium Activities

Conference of the European Science Education Research Association (ESERA) , Attendee, Nevşehir, Turkey, 2023

Conference of the European Science Education Research Association (ESERA), Attendee, Braga, Portugal, 2021

International Congress on Informal Learning, Attendee, Nevşehir, Turkey, 2019

Conference of the European Science Education Research Association (ESERA), Session Moderator, Bologna, Italy, 2019

Conference of the European Science Education Research Association (ESERA), Attendee, Bologna, Italy, 2019

International Conference on Science, Mathematics, Entrepreneurship and Technology Education, Attendee, İzmir, Turkey, 2019

X. International Congress of Educational Research, Attendee, Nevşehir, Turkey, 2018

IIIrd International Eurasian Educational Research Congress (EJER Congress), Attendee, Muğla, Turkey, 2016

The National Association for Research in Science Teaching (NARST), Attendee, United States Of America, 2016

European Conference On Educational Research (ECER), Attendee, Budapeşte, Hungary, 2015

IInd International Eurasian Educational Research Congress (EJER Congress), Attendee, Ankara, Turkey, 2015

International Conference on Innovation and Challenges in Education, Attendee, Kütahya, Turkey, 2013

5th World Conference on Educational Sciences (WCES), Attendee, Rome, Italy, 2013

Scholarships

ESERA Conference Scholarship , Special Institutions and Organizations, 2023 - 2023

ESERA Conference Scholarship, Other International Organizations, 2021 - 2021

2224-A Grant Program for Participation in Scientific Meetings Abroad, TUBITAK, 2019 - 2019

2224-A Grant Program for Participation in Scientific Meetings Abroad, TUBITAK, 2016 - 2016