

ISSN: 2148-6123 • PERJOURNAL.COM



PARTICIPATORY EDUCATIONAL RESEARCH

VOLUME 12 • ISSUE 1 • JANUARY 2025



Participatory Educational Research (PER)

ISSN: 2148-6123

Double Blind Peer Review International Academic Journal

Volume 12, Issue 1
January 2025

Indexed in H.W. Wilson, Scopus, Ebsco, Turkish Educational Index,
Idealonline, Sicilit, Rootindex, Asos Index

PUBLISHER

Behalf of PER JOURNAL; Prof. Dr. Özgen KORKMAZ, Amasya University, Engineering Faculty, Department of Computer Engineering, Amasya/Turkiye

OWNERS

Dr. Özgen KORKMAZ, Amasya University, Engineering Faculty, Department of Computer Engineering
Amasya/Turkiye.

Dr. Recep ÇAKIR, Amasya University, Education Faculty, Department of Educational Science, Amasya/Turkiye

EDITOR IN CHIEF

Dr. Pinar AYYILDIZ (Ankara Medipol University, Education Management, Turkiye, Orcid Id: 0000-0002-2644-7981)

EDITORS

Dr. Özgen KORKMAZ (Amasya University, Instructional Technology, Turkiye, Orcid Id: 0000-0003-4359-5692)

Dr. Recep ÇAKIR (Amasya University, Instructional Technology, Turkiye, Orcid Id: 0000-0002-2641-5007)

Dr. Norma NEL (University of South Africa, Educational Psychology, South Africa, Orcid Id: 0000-0003-4900-446X)

Dr. Norma ROMM (University of South Africa, Adult Basic Education and Youth Development, South Africa, Orcid Id: 0000-0002-1722-9720)

Dr. Volkan KUKUL (Amasya University, Instructional Technology, Turkiye, Orcid Id: 0000-0002-9546-3790)

Dr. Feray UĞUR ERDOĞMUŞ (Amasya University, Instructional Technology, Turkiye, Orcid Id: 0000-0002-9401-3405)

Dr. Mehmet KARA (Amasya University, Instructional Technology, Turkiye, Orcid Id: 0000-0003-2758-2015)

Dr. Emrah AKMAN (Ordu University, Classroom Teaching, Turkiye Orcid Id: 0000-0003-0637-919X)

Dr. S. Serkan TAN (Amasya University, Instructional Technology, Turkiye, Orcid Id: 0000-0003-1348-9434)

LANGUAGE EDITOR

Dr. Pinar AYYILDIZ (Ankara Medipol University, Education Management, Turkiye, Orcid Id: 0000-0002-2644-7981)

PUBLICATION EDITOR

Dr. S. Serkan TAN (Amasya University, Instructional Technology, Turkiye, Orcid Id: 0000-0003-1348-9434)

Lec. Osman KAYHAN (Amasya University, Instructional Technology, Turkiye, Orcid Id: 0000-0001-5407-6375)

Lec. M. Murat GÜMÜŞ (Amasya University, Instructional Technology, Turkiye, Orcid Id: 0000-0002-3677-8928)

EDITORIAL BOARD

Dr. Aykut Emre BOZDOĞAN (Gaziosmanpaşa University, Science Education, Turkiye, Orcid Id: 0000-0002-5781-9960)

Dr. Dimiter G. VELEV (The University of National and World Economy, ICT, Bulgaria, Orcid Id: 0000-0003-3030-1819)

Dr. Dragana MARTINOVIC (University of Windsor, Instructional Technology, Canada, Orcid Id: 0000-0002-1572-7697)

Dr. Dorian STOILESCU (University of Western Sydney NSW, Mathematics Education, Australia, Orcid Id: 0000-0001-8329-5008)

Dr. Ertuğrul USTA (Necmettin Erbakan University, Instructional Technology, Turkiye, Orcid Id: 0000-0001-6112-9965)

Dr. Fok PING-KWAN (Hong Kong Institute of Education, Curriculum and Instruction, Hong Kong, Orcid Id: 0000-0003-4858-7173)

Dr. Halil İbrahim YALIN (Cyprus International University, Instructional Technology, TRNC, Orcid Id: 0000-0002-6355-7661)

Dr. Hsueh-hua CHUANG (National Sun Yat-sen University, Curriculum and Instructional Technology, Taiwan, Orcid Id: 0000-0001-8580-7652)

Dr. Helen R. ABADIANO (Central Connecticut State University, Early Childhood Education, USA)

Dr. Esteban Vázquez-Cano (Universidad Nacional de Educación a Distancia (UNED), Educational Supervision, Ubiquitous Learning, Emerging Technologies, Spain, Orcid Id: 0000-0002-6694-7948)

Dr. Inés LOZANO CABEZAS (University of Alicante, Didactics and School Organization, Spain, Orcid Id: 0000-0003-3800-259X)

Dr. Janet MCINTYRE (Flinders University Adelaide Area, Australia, Orcid Id: 0000-0001-7733-1228)

Dr. Javier FOMBONA (Universidad de Oviedo, ICT, Spain, Orcid Id: 0000-0001-5625-5588)

Dr. Jeffrey L. DEREVENSKY (McGill University, Educational & Counseling Psychology, Canada, Orcid Id: 0000-0001-6947-2987)

Dr. Jeonghee NAM (Pusan National University, Chemistry Education, Korea, Orcid Id: 0000-0001-7006-864X)

Dr. José GIJON PUERTA (Universidad de Granada, Didactics and School Organization, Spain, Orcid Id: 0000-0001-6324-1141)

Dr. Kristóf FENYVESI (University of Jyväskylä, Educational Science, Finland, Orcid Id: 0000-0001-5416-376X)

Dr. LDM LEBELOANE (University of South Africa, South Africa)

Dr. LINPU WANG (Zhejiang International Studies University, China, Orcid Id: 0000-0001-6520-9639)

Dr. Maria Angeles Pascual Sevillano (Universidad de Oviedo, Didactic and School Organisation, Spain, Orcid Id: 0000-0001-6942-6198)

Dr. Marcos Jesús IGLESIAS-MARTINEZ (University of Alicante, Teacher Education, Spain, Orcid Id: 0000-0001-5206-2762)



Dr. Margaret MURUGAMI (Kenya University, Special Needs Education, Kenya, Orcid Id: 0000-0001-5466-4716)
Dr. Michelle FINESTONE (University of Pretoria, Educational Psychology, South Africa, Orcid Id: 0000-0003-0797-3529)
Dr. Oktay AKBAŞ (Kırıkkale University, Curriculum and Instruction, Türkiye, Orcid Id: 0000-0001-7629-471X)
Dr. Orhan KARAMUSTAFAOĞLU (Amasya University, Science Education, Türkiye, Orcid Id: 0000-0002-2542-0998)
Dr. Petra ENGELBRECHT (North-West University, Educational Psychology, South Africa, Orcid Id: 0000-0003-4128-0208).
Dr. Pieter Hertzog dU TOIT (University of Pretoria, Humanities Education, South Africa, Orcid Id: 0000-0003-3394-8140).
Dr. Rachel OUTHRED (Oxford Policy Management, Educational Mangement, UK, Orcid Id: 0000-0001-5650-2833)
Dr. Ruth Gannon COOK (DePaul University, USA, Semiotics, Instructional Systems Design, Curriculum and Instruction, Orcid Id: 0000-0002-5891-7685)
Dr. Soner M. ÖZDEMİR (Mersin University, Curriculum, and Instruction, Türkiye Orcid Id: 0000-0002-7236-946X)
Dr. Sofia D. ANASTASIADOU (University of West Macedonia, ICT, Greece, Orcid Id: 0000-0001-6404-5003)
Dr. Süleyman YAMAN (Ondokuz Mayıs University, Science Education, Türkiye, Orcid Id: 0000-0001-5152-4945)
Dr. Ufuk KARAKUŞ (Gazi University, Social Science Education, Türkiye, Orcid Id: 0000-0002-2915-464X)
Dr. Veronica McKay (University of South Africa, Adult, Continuing and Community education, South Africa, Orcid Id: 0000-0002-2819-7891)
Dr. Yurdal DİKMENLİ (Ahi Evran University, Social Science Education, Türkiye, Orcid Id: 0000-0003-3738-3095)
Dr. Zsolt LAVICZA (Johannes Kepler University, Mathematic Education, Austria, Orcid Id: 0000-0002-3701-5068)

REVIEWER OF THE ISSUE

Adem Yılmaz(Kastamonu Un.,Türkiye)	Gökçe Gökalp(Ortadoğu Teknik Un.,Türkiye)
Adnan Altun(Bolu Abant İzzet Baysal Un.,Türkiye)	Halil Ersoy(Başkent Un.,Türkiye)
Ahmet Oğuz Akçay(Eskisehir Osmangazi Un.,Türkiye)	Hatice Yıldız Durak(Necmettin Erbakan Un.,Türkiye)
Aykut Emre Bozdoğan(Tokat Gaziosmanpaşa Un.,Türkiye)	İkbal Tuba Şahin Sak(Van Yüzüncü Yıl Un.,Türkiye)
Ayşe Derya Işık(Bartın Un.,Türkiye)	İlker Dere(Tekirdağ Namık Kemal Un.,Türkiye)
Barış Eriçok(Ordu Un.,Türkiye)	İlknur Bayram(Polis Akademisi,Türkiye)
Bengisu Kaya Özgül(Zonguldak Bülent Ecevit Un.,Türkiye)	Kağan Büyükkarcı(Süleyman Demirel Un.,Türkiye)
Christian Repuya(Bicol State College Of Applied Sciences And Technology,Philippines)	Murat Genç(Zonguldak Bülent Ecevit Un.,Türkiye)
Derya Girgin(Canakkale Onsekiz Mart Un.,Türkiye)	Nihan Turhan(Fatih Sultan Mehmet Vakıf Un.,Türkiye)
Durdane Öztürk(Kırşehir Ahi Evran Un.,Türkiye)	Nilgün Özdamar(Eskisehir Teknik Un.,Türkiye)
Ebru Ünay(Trabzon Un.,Türkiye)	Nilüfer Uyar(Anadolu Un.,Türkiye)
Elif Esra Arıkan(Istanbul Sabahattin Zaim Un.,Türkiye)	Orhan Curaoğlu(Bolu Abant İzzet Baysal Un.,Türkiye)
Elif İlhan(Ankara Hacı Bayram Veli Un.,Türkiye)	Ramazan Şamil Tatık(Pamukkale Un.,Türkiye)
Fatma Gizem Karaoğlan Yılmaz(Bartın Un.,Türkiye)	Semra Polat(Muş Alparslan Un.,Türkiye)
Fatoş Bulut Ateş(Çukurova Un.,Türkiye)	Sertan Talas(Tokat Gaziosmanpaşa Un.,Türkiye)
Gamze Kurt(Mersin Un.,Türkiye)	Şenol Deniz(Ankara Un.,Türkiye)
Genalyn Lualhati(Batangas State University Jplpc Malvar,Philippines)	Tuncer Fidan(Mehmet Akif Ersoy Un.,Türkiye)
	Türker Kurt(Gazi Un.,Türkiye)
	Yusuf Akemoğlu(Düzce Un.,Türkiye)

TABLE OF CONTENTS

The Use of Assistive Technologies in Increasing the Participation of the Individuals with Severe and Multiple Disabilities to Leisure: Systematic Review http://dx.doi.org/10.17275/per.25.1.12.1 <i>Evgin ay, Burak Bozak</i>	1-17
Investigation of Eighth Grade Students' Performance on Tasks Involving Statistical Thinking About Measures of Central Tendency http://dx.doi.org/10.17275/per.25.2.12.1 <i>Şeyda Aydın Karaca, Zeynep Sonay Ay</i>	18-42
The Effect of Metacognitive Awareness of Reading Strategies and Reading Comprehension Self-Efficacy Perception on Reading Motivation http://dx.doi.org/10.17275/per.25.3.12.1 <i>Yasemin Baki</i>	43-68
Mediating Effects of Academic Stress between Resilience and Academic Achievement: On the University Students majoring in Piano and Vocal Music http://dx.doi.org/10.17275/per.25.4.12.1 <i>Du Baiyan, Xie Qun, Young Chun Ko</i>	69-83
Tokenism Perception Scale: Validity and Reliability Study http://dx.doi.org/10.17275/per.25.5.12.1 <i>Tuncay Yavuz Özdemir, Oğuz Gürbüz, Abdolvahap Doğan</i>	84-97
Improving Sensitivity to Cultural Heritage through Out-of-School Learning Activities http://dx.doi.org/10.17275/per.25.6.12.1 <i>Veysi Aktaş, Ahmet Tokmak, Genç Osman İlhan</i>	98-117
Evaluating the Sufficiency of Multiplicity Functions of Visual Cues in English Modules for Remote Learning: Perspective from Public Junior High School Teachers http://dx.doi.org/10.17275/per.25.7.12.1 <i>Richard Bañez, Helen Mosteyro</i>	118-137
The Mediating Role of Digital Literacy between Lifelong Learning Tendency and 21st Century Skills http://dx.doi.org/10.17275/per.25.8.12.1 <i>Fatih Yılmaz, Serap Yılmaz Özelçi, Celalettin Çelebi</i>	138-156
English Medium Instruction Experiences of Lecturers: Evidence from Tertiary Education in Türkiye http://dx.doi.org/10.17275/per.25.9.12.1 <i>Arzu Ekoç Özçelik, Suzan Kavanoz, Selahattin Yılmaz</i>	157-174



- Teaching on the Edge: TPACK and Professional Identity Formation in a Remote Island of Indonesia 175-194
<http://dx.doi.org/10.17275/per.25.10.12.1>
Lita Liviani Taopan, Sri Wuli Fitriati, Januarius Mudjiyanto, Zulfa Sakhiyya
- Systematic Literature Review: The Effectiveness of Technology-Assisted Project-Based English Language Learning 195-221
<http://dx.doi.org/10.17275/per.25.11.12.1>
Heni Rochimah, Muhammad Japar, Etin Solihatin
- Harnessing AI-based learning media in education: A meta-analysis of its effects on student achievement 222-242
<http://dx.doi.org/10.17275/per.25.12.12.1>
Risky Setiawan, Umi Farisiyah, Muhammad Zainal, Widiyawanti Widiyawanti
- Descriptive Analysis of the Recommendations in Dissertations on Parental Involvement in Early Childhood Education in Türkiye 243-263
<http://dx.doi.org/10.17275/per.25.13.12.1>
Ümit Ünsal Kaya, Özgün Uyanık Aktulun
- An investigation of technology-rich lesson plans: Science teachers' views on technology integration 264-286
<http://dx.doi.org/10.17275/per.25.14.12.1>
Murat Gezer, Levent Durdu
- Improving the Reading Skills of Students with Mild Intellectual Disabilities through Repeated and Paired Reading Techniques 287-303
<http://dx.doi.org/10.17275/per.25.15.12.1>
Ayfer Şahin, Fatma Cahide Özçelik