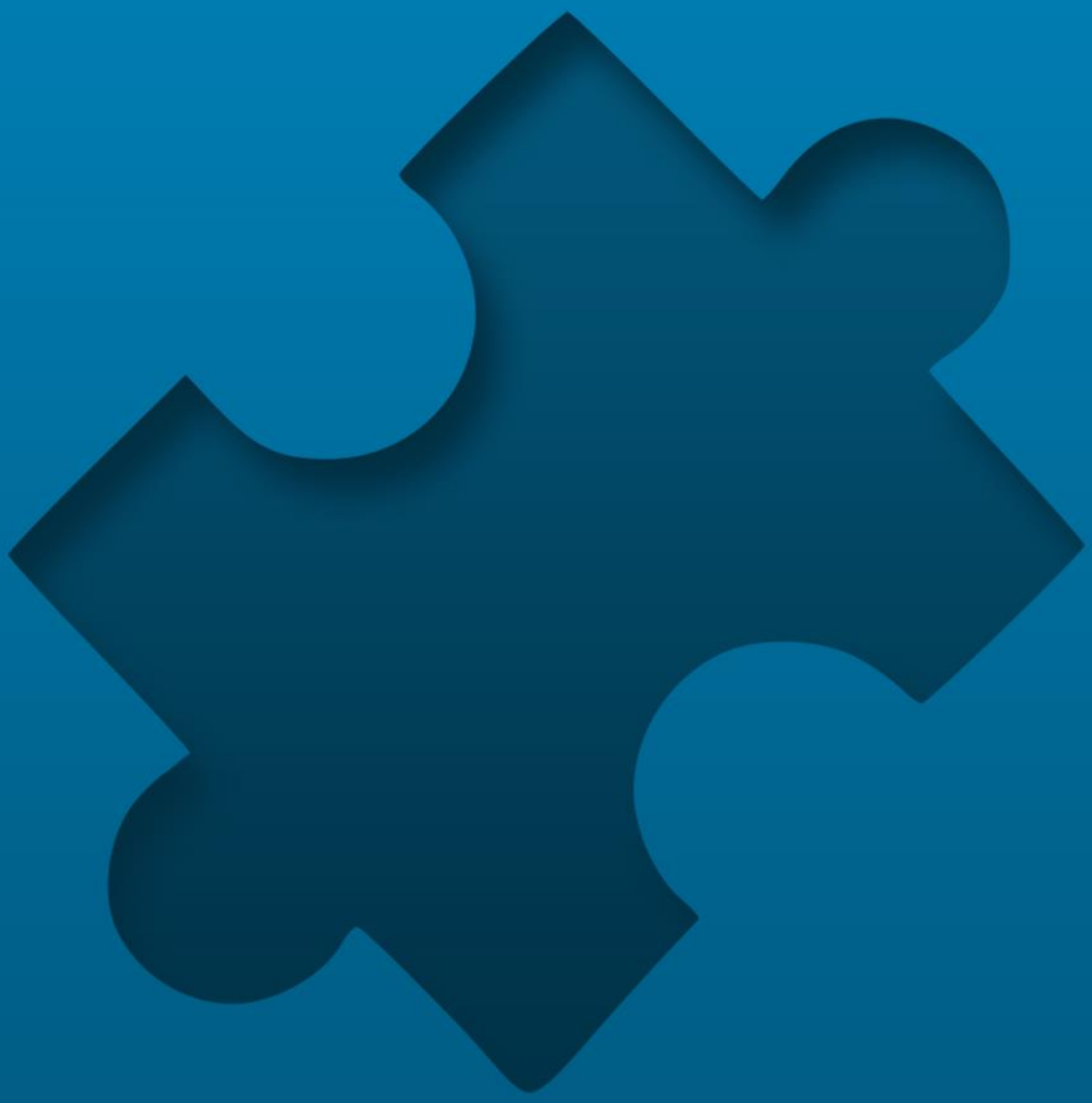
ISSN: 2148-6123 • PERJOURNAL.COM

PARTICIPATORY EDUCATIONAL RESEARCH

VOLUME 13 • ISSUE 5• SEPTEMBER 2026



Participatory Educational Research (PER)

ISSN: 2148-6123

Double Blind Peer Review International Academic Journal

Volume 13, Issue 5
September 2026

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

PUBLISHER
Behalf of PER JOURNAL; Prof. Dr. Özgen KORKMAZ, Bandirma Onyedi Eylul University, Engineering and Natural Science Faculty Faculty, Department of Computer Engineering, Babdırma, Balıkesir / Türkiye

OWNERS
Dr. Özgen KORKMAZ, Bandirma Onyedi Eylul University, Engineering and Natural Science Faculty Faculty, Department of Computer Engineering, Babdırma, Balıkesir / Türkiye
Dr. Recep ÇAKIR, Amasya University, Education Faculty, Department of Educational Science, Amasya/Turkiye

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

EDITORS
Dr. Özgen KORKMAZ (Bandirma Onyedi Eylul University, Instructional Technology, Turkiye, Orcid Id: 0000-0003-4359-5692)
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. Pınar AYYILDIZ (Ankara Medipol University, Education Management, Turkiye, Orcid Id: 0000-0002-2644-7981)
Dr. Emrah AKMAN (Ordu University, Classroom Teaching, Turkiye Orcid Id: 0000-0003-0637-919X)

LANGUAGE EDITOR
Dr. Pınar AYYILDIZ (Ankara Medipol University, Education Management, Turkiye, Orcid Id: 0000-0002-2644-7981)
Dr. Gülşah Tikiz Ertürk (Social Science University of Ankara, ELT, Turkiye, Orcid Id: 0000-0001-5803-1270)

PUBLICATION EDITOR
Dr. Osman KAYHAN (Amasya University, Instructional Technology, Turkiye, Orcid Id: 0000-0001-5407-6375)
Dr. 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 (Kenyatta 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, Turkiye, Orcid Id: 0000-0001-7629-471X)
Dr. Orhan KARAMUSTAFAOĞLU (Amasya University, Science Education, Turkiye, 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, Turkiye 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, Turkiye, Orcid Id: 0000-0001-5152-4945)
Dr. Ufuk KARAKUŞ (Gazi University, Social Science Education, Turkiye, 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, Turkiye, 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

Aslı Çakır Mutlu(İstanbul 29 Mayıs Un.,Türkiye)
Astria Prameswari(Universitas Negeri Malang,Malaysia)
Buket Karadağ(İstanbul Aydın Un.,Türkiye)
Bülent Aksoy(Gazi Un.,Türkiye)
Ertuğrul Usta(Necmettin Erbakan Un.,Türkiye)
Esin Dündar(Mersin Un.,Türkiye)
Fatma İnceman Kara(Amasya Un.,Türkiye)
Filiz Erbay(Kto-Karatay Un.,Türkiye)
Gizem Günçavdı Alabay(Bursa Uludağ Un.,Türkiye)
Gül Özüdoğru(Kırşehir Ahi Evran Un.,Türkiye)
Gülin Yazıcı Çelebi(Gümüşhane Un.,Türkiye)
Hatice Yıldız Durak(Necmettin Erbakan Un.,Türkiye)
Hüseyin Miraç Pektaş(Kırıkkale Un.,Türkiye)
İbrahim Dadandı(Yozgat Bozok Un.,Türkiye)
İbrahim Enes Öner(Tokat Gaziosmanpaşa Un.,Türkiye)
İsmail Çetin(Ondokuz Mayıs Un.,Türkiye)
Kıvanç Bozkuş(Artvin Çoruh Un.,Türkiye)
Mehmet Akif Bircan(Sivas Cumhuriyet Un.,Türkiye)
Mehmet Yavuz(Bingöl Un.,Türkiye)
Meltem Sarı(Hacettepe Un.,Türkiye)
Mustafa Sırakaya(Kırşehir Ahi Evran Un.,Türkiye)
Nilüfer Altun(Ordu Un.,Türkiye)
Ramazan Tanaş(Afyon Kocatepe Un.,Türkiye)
Semih Ekin(Ted Un.,Türkiye)
Soner Mehmet Özdemir(Mersin Un.,Türkiye)
Şemseddin Gündüz(Necmettin Erbakan Un.,Türkiye)
Tuğçe Peker Akman(Ondokuz Mayıs Un.,Türkiye)
Ufuk Karakuş(Gazi Un.,Türkiye)
Üzeyir Emre Kıyak(Uşak Un.,Türkiye)
Yurdal Dikmenli(Kırşehir Ahi Evran Un.,Türkiye)
Zeynep Demirtaş(Sakarya Un.,Türkiye)

TABLE OF CONTENTS

Gender-Role Egalitarianism and Dating Violence Rejection in Turkish University Students: Distinct Fairness Facets of Proportionality and Equality 1–21
http://dx.doi.org/10.17275/per.26.61.13.5
Çiğdem Sudan, Osman Nejat Akfirat

Career Anxiety in the Context of Vocational Education: The Serial Mediation Effects of Hope, Self-Efficacy, and Psychological Resilience 22–34
http://dx.doi.org/10.17275/per.26.62.13.5
Bahadır Şahin Kamas, Tolga Seki

The Effect of ChatGPT as a Pen-Friend on Primary School Learners' Reading and Writing Skills and Their Attitudes Towards English Courses 35–51
http://dx.doi.org/10.17275/per.26.63.13.5
Dilara Yücetürk, Özgen Korkmaz, Mehmet Kara

The Transformation of Authentic Learning Literature: A Bibliometric Analysis 52–69
http://dx.doi.org/10.17275/per.26.64.13.5
Turhan Çetin, Nail Değirmenci, Yusuf İnel

Digital Reactions, Discourse and Sentiment on Educational Reform: A Text Mining Study of the Türkiye Century Maarif Model on X 70–93
http://dx.doi.org/10.17275/per.26.65.13.5
Ahmet Başal, Mehmet Kayakuş, Cem Oktay Guzeller, Dilek Ilhan-Findikoglu, Fuat Fındıkoğlu

Curriculum Literacy in the Digital Age: Enhancing Pre-Service Teachers' Competence through Digital Literacy 94–114
http://dx.doi.org/10.17275/per.26.66.13.5
Serkan Aslan, Üzeyir Süğümlü

Integration of AI into Education: Teachers' Perspectives on Competencies, Challenges, and Needs 115–131
http://dx.doi.org/10.17275/per.26.67.13.5
Feray Uğur Erdoğmuş

The Mediating Role of Informatics Ethics in 21st Century Skills and Smartphone Addiction Among Young Adults 132–145
http://dx.doi.org/10.17275/per.26.68.13.5
İbrahim Enes Öner

The effect of Zesquare visual attention set on the development of pattern skills in early childhood: A quasi–experimental study 146–160
http://dx.doi.org/10.17275/per.26.69.13.5
Cansel Cebeci, Neslihan Durmuşoğlu Saltalı

Repurposing Modelled Items in English Grammar Teaching: Transformation of Textbook Exercises in Classroom Interaction 161–182
http://dx.doi.org/10.17275/per.26.70.13.5
Muhammet Öcel, Nilüfer Can Daşkın

The Role of Parents' Social Media Use in Digital Safety Awareness and Its Implications for Children's Learning Environment 183–203
http://dx.doi.org/10.17275/per.26.71.13.5
Sibel Subaşı, Recep Çakır

Modeling the Psychological Determinants of Student Adoption of Video-Enabled Feedback Tools 204–225
http://dx.doi.org/10.17275/per.26.72.13.5
Veysel Bilal Arslankara, Ertuğrul Usta

Development and Initial Validation of an Expressive Vocabulary Test for Movement Concepts and Skills in Adults with Down syndrome 226–244
http://dx.doi.org/10.17275/per.26.73.13.5
Georgios Sivvas, Kyriaki Emmanouilidou, Athina Pitsi, Grigorios Masadis, Nerantzoula Koufou, Konstantinos Filippou, Panagiotis Varsamis, Vasiliki Derri, Filippos Filippou

Specialized Content Knowledge for Teaching Equations: A Case Study of Secondary Mathematics Teachers 245–266
http://dx.doi.org/10.17275/per.26.74.13.5
Feriha Hande İdil, Serkan Narlı

Empowering Leadership and Organizational Citizenship: The Mediating Role of Psychological Capital 267–288
http://dx.doi.org/10.17275/per.26.75.13.5
Birgül Sevinç, Canan Albez