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Welcome to Volume 24 Number 4 of TOJDE

There are 20 articles and a book review in October 2023 issue. 55 authors write the articles from 6 different countries. Columbia, Greece, Indonesia, Mexico, Saudi Arabia and Turkiye are the countries.

THE IMPACT OF INQUIRY-BASED ONLINE LEARNING WITH VIRTUAL LABORATORIES ON STUDENTS' SCIENTIFIC ARGUMENTATION SKILLS is the 1<sup>st</sup> article and Ahmad Fauzi HENDRATMOKO, Madlazim MADLAZIM, Wahono WIDODO and I Gusti Made SANJAYA are the authors. This study uses a one-group pretest-posttest design with n-gain analysis. The results of this study indicate that the application of inquiry-based online learning with a virtual laboratory can improve students' scientific argumentation skills. Uniquely, this only significantly impacts the claim, evidence, and reasoning components, but not the counterclaim and rebuttal components.

The 2<sup>nd</sup> article is written by Elif OZTURK and Zeynep TURGUT. The title is THE RELATIONSHIP BETWEEN PROSPECTIVE TEACHERS' PERCEIVED IMPORTANCE OF ONLINE TEACHING COMPETENCIES AND THEIR SELF-EFFICACY BELIEFS. The results of this study are expected to make a significant contribution to research on establishing online teaching competencies in Turkiye and assisting teachers in understanding the value of those competencies; as a result, potential implementers may have stronger online teaching self-efficacy in their distance classrooms. The study suggests incorporating technology-based resources into teacher education courses within a digital pedagogy competencies framework to increase pre-service teachers' self-efficacy.

Manuel MEDINA-LABRADOR, Gustavo Rene GARCIA-VARGAS and Fernando MARROQUIN-CIENDUA are the writers of the 3<sup>rd</sup> article. EFFECTS OF BIAS, GAMIFICATION AND MONETARY COMPENSATION ON MOOC DROPOUTS is the title of the article. This research compares the effect of cognitive bias, gamification, monetary compensation, and student characteristics (gender, age, years of education, student geographical location, and interest in the course certificate) on MOOC dropouts. The results showed that the Peanut effect bias favors the lowest risk of drop up. Likewise, the findings showed the interest in the final certificate as a predictor of retention to complete a four-week MOOC.

The 4<sup>th</sup> article is titled ASSESSMENT OF SYNCHRONOUS ONLINE ARCHITECTURE EDUCATION FROM STUDENTS' PERSPECTIVE. The authors are Meric ALTINTAS KAPTAN, Ecem EDIS and Aslihan UNLU. This research aims to identify and investigate different dimensions and underlying factors influencing the successful implementation of e-Learning, from participants' viewpoint, i.e. architecture students. The results are discussed in different dimensions in the article.

Hale ILGAZ, Denizer YILDIRIM, Nevzat OZEL, Salih DEMIR and Mesut SEVINDIK are the authors of the 5<sup>th</sup> article, titled THE INSTRUCTOR PARAMETERS OF TRANSITION TO FULLY ONLINE LEARNING. This study examined XXX University instructors' perspectives regarding the emergency remote teaching period in terms of their professional experience, discipline area, online instruction experience, and whether they received training in online instruction. According the results of the research, the need to support the instructors according to the needs specific to the disciplines has been revealed, and it is recommended to investigate the relationships between self-competency for online teaching and the perception of institutional support in depth.

DIALOGIC-INTERACTIVE MEDIA IN ONLINE LEARNING: EFFECTIVENESS IN SPEAKING SKILLS is the 6<sup>th</sup> article. This article is written by ATMAZAKI, Syahrul RAMADHAN and Vivi INDRIYANI. The objective of this research is to build dialogic-interactive media in language learning to enhance students' speaking abilities in online learning. The results show that dialogic-interactive media is effective in increasing students' speaking skills in online learning.

The 7<sup>th</sup> article is titled PROGRAM EVALUATION IN OPEN AND DISTANCE LEARNING: THE CASE OF OPEN EDUCATION SYSTEM CALL CENTER SERVICES ASSOCIATE DEGREE PROGRAM.

Yagmur TUC and Nejdet KARADAG are the authors. This study aims to evaluate Anadolu University Open Education Faculty Call Center Services Associate Degree Program, which is carried out through open and distance education, according to learner views within the framework of Stufflebeam's Context, Input, Process, Product (CIPP) Evaluation Model and to make suggestions for the development of the program. The results reveal that the program objectives are determined in accordance with the expectations of the learners, learning resources are designed in accordance with the objectives, learning activities are carried out in accordance with the expectations of the participants and learning outcomes are achieved in the program.

EXAMINATION OF THE PREDICTION OF FLEXIBILITY FOR LEARNER SATISFACTION IN ONLINE COURSES is the 8<sup>th</sup> article. Arif AKCAY is the author. The aim of this study is to examine whether the flexibility of time management, the flexibility of teacher contact, and the flexibility of content predict online course satisfaction. Based on the results of the research, implications, and suggestions are presented.

The 9<sup>th</sup> article title is THE ROLE OF E-LEARNING READINESS ON SELF-REGULATION IN OPEN AND DISTANCE LEARNING, and the authors are Hasan UCAR and Yusuf Zafer Can UGURHAN. The results of this study indicate that learners with high e-learning readiness levels have higher self-regulated learning skills compared to those with low levels. It is also determined that self-regulated learning skills do not differ in terms of the gender of the learners while they differ in terms of the time the learners spent on the learning management system.

Mohammed Kamal AFIFY, Abdulrazak Mohamed ALQOOT and Saffanah Abdel Kader ZEDAN are the authors of the 10<sup>th</sup> article. The title is CRITERIA FOR DESIGNING AND EVALUATING THE QUALITY OF VIRTUAL CLASSROOMS DURING EMERGENCY LEARNING. The aim of this research is to determine the quality criteria for designing virtual classrooms with their different styles (synchronous, asynchronous, and blended), and organizing them into categories and criteria to verify the availability of the criteria required for learning in the virtual environment. The results are discussed in the study.

EVALUATION OF LEARNING MANAGEMENT SYSTEMS USING INTERVAL VALUED INTUITIONISTIC FUZZY-Z NUMBERS is the 11<sup>th</sup> article. Duygu SERGI and Irem UCAL SARI are the authors of this article. In this study, it is aimed to determine the features that the systems used in distance education should have and to compare the existing systems according to these features. For this purpose, a novel fuzzy extension, interval valued intuitionistic fuzzy Z-numbers, is defined for modeling uncertainty, and AHP and WASPAS methods using proposed fuzzy numbers are developed to determine the importance of decision criteria and compare alternatives.

The title of the 12<sup>th</sup> article is FACTORS AFFECTING TEACHERS' ONLINE LEARNING EXPERIENCES IN PROFESSIONAL DEVELOPMENT PROGRAM: STRUCTURAL EQUATION MODELLING. This article is written by Lastika Ary PRIHANDOKO. This study investigates the interplay of the factors affecting participants' online learning experience namely self-directed learning and TPACK (Technological, Pedagogical, and Content Knowledge). The results show that Self-directed learning and TPACK are positively and significantly associated with online learning experience.

Baran KAYNAK, Osman TUNA, Ugur OZBEK, Ali AKSOY, Ahmet OZMEN, Baris HORZUM and Burak GOL are the authors of the 13<sup>th</sup> article. The title is UZEP: A CLOUD-BASED DISTANCE EDUCATION PLATFORM FOR HIGHER EDUCATION INSTITUTIONS. In this study, a new online learning platform has been developed for higher education institutions to solve these problems using state-of-the-art cloud technologies. The new system provides easy to use-learn interfaces, offers an economical solution for e-learning by sharing the resources, and compliant with the law on protection of personal data.

DIGITAL DIVIDE AND EMERGENCY REMOTE EDUCATION: RECONSIDERING THE USE OF EDUCATIONAL RADIO DURING THE PANDEMIC is the 14<sup>th</sup> article. Burcin YERSEL, Basak KALKAN, Fikret ER, Arzu Celen OZER and Aysel Ulukan KORUL are the authors. In this exploratory study, the main aim is to see the usefulness of university radio for education during the pandemic process by looking at the experiences gained during the Covid 19 pandemic period. The results highlight the importance of the radio.

The 15<sup>th</sup> article is EXPLORING OPPORTUNITIES FOR EMBEDDING POST-PANDEMIC SCHOOL PRACTICES: LESSON LEARNED FROM COMPULSORY ONLINE LEARNING. The authors are Dedi IRWAN, Muhammad Iqbal Ripo PUTRA and Nurussaniah NURUSSANIAH. This study aims at exploring the opportunities of embedding online learning as an integral part of post-pandemic teaching practices in urban and rural school in West Kalimantan province. This research reports a number of strategic recommendations proposed by participating schools.

The 16<sup>th</sup> article is written by Betül TONBULOĞLU, and the title is STATE OF RESEARCH ON E-ASSESSMENT IN EDUCATION: A BIBLIOMETRIC ANALYSIS. This study aims to reveal the trend of research on e-assessment in the field of educational sciences through scientific mapping and bibliometric analyses. For this purpose, the numerical distribution of research on e-assessment, citation analysis, research themes and the change of trend topics are examined. The findings reveal that e-evaluation activities have displayed a development and transformation over time with the effect of developing technology, the pandemic, the spread of e-learning, the expansion of communication opportunities and many other factors.

IDENTIFYING VARIABLES THAT PREDICT STUDENTS' GEOGRAPHICAL INQUIRY SKILLS DURING THE COVID-19 PANDEMIC is the title of the 17<sup>th</sup> article. Hulya YIGIT OZUDOĞRU is the author. The purpose of this study was to observe the predictive power of the practices carried out in distance geography courses conducted during the Covid-19 pandemic in students' self-efficacy in geographical inquiry skills. Based on this study, it is recommended that teachers take on the responsibility of raising their students as individuals who are independent and learned to learn.

Adamantia SPATIOTI, Ioannis KAZANIDIS and Jenny PANGE are the authors of the 18<sup>th</sup> article. This article is titled EDUCATIONAL DESIGN AND EVALUATION MODELS OF THE LEARNING EFFECTIVENESS IN E-LEARNING PROCESS: A SYSTEMATIC REVIEW. The purpose of this study is both the investigation of the academic performance, the self-regulated learning and the collaborative learning in relation to the models of ADDIE, Kirkpatrick and Bloom in distance online environments and their effectiveness to the learning process. Based on the study results, all three examined models reinforce students' positive attitudes and perceptions, even while transferring the acquired knowledge to the workplace.

SELF-DIRECTED LEARNING AND MOOC INTEGRATION INTO HIGHER EDUCATION EFL CLASSROOMS is the 19<sup>th</sup> article. Nazife SEN ERSOY and Yunus DOĞAN are the authors. This research includes the first cycle of an application based on the integration of a MOOC given in the field of "writing" into the formal education curriculum to reinforce classroom teaching and support the learning process to improve English writing skills. Results are discussed in different dimensions in the study.

The author of the 20<sup>th</sup> article is Zulal AYAR. PERSPECTIVES OF ENGLISH LANGUAGE INSTRUCTORS ON POPULAR LEARNING MANAGEMENT SYSTEMS AND SOFTWARE is the title of the article. The results regarding the challenges and suggestions of the participants cannot be reported through a system-based analysis, system-independent offers are presented to policymakers and researchers. The researcher has drawn out a set of implications for future implementations in the study.

There is a book review in this issue. HYFLEX COURSE DESIGN AND TEACHING STRATEGIES is the title of the book. This is an editorial book and the editors are Angela BARCLAY, Krista CECCOLINI, Kathleen CLARKE, Nicole DOMONCHUK, Sidney SHAPIRO, Jupsimar SINGH, Mel YOUNG and Jenni HAYMAN. The reviewers are Alev ATES COBANOĞLU and Tayfun FIRAT.

Hope to meet you in the next issue of TOJDE.

Cordially,

Dr. T. Volkan YUZER

Editor in Chief