

Dear TOJDE Readers,

Welcome to Volume 22 Issue 4 of TOJDE.

There are 17 articles and two book reviews in the October 2021 issue of TOJDE. 49 authors from 13 different countries contributed to the issue. These countries are Brazil, China, Germany, Iran, Italy, Jordan, Pakistan, Philippines, Russia, Saudi Arabia, South Africa, Turkey and United Arab Emirates.

COURSE SATISFACTION AND STUDENT ENGAGEMENT IN ONLINE LEARNING AMID COVID-19 PANDEMIC: A STRUCTURAL EQUATION MODEL authored by Erick T. BALORAN, Jenny T. HERNAN and Janice S. TAOY is the first article. This study is designed to determine the significant relationship between course satisfaction and student engagement in online learning during the COVID-19 pandemic in the University of Mindanao, Bansalan College, Philippines. Results showed students' high level of course satisfaction and engagement with online learning delivery. Students have the same level of satisfaction on online learning delivery quality but have different online learning engagement levels as to year level. Also, this study reveals that online course satisfaction is significantly correlated with online student engagement.

The 2nd article, ACADEMIC PROCRASTINATION AND PERFORMANCE IN DISTANCE EDUCATION: A CAUSAL-COMPARATIVE STUDY IN AN ONLINE LEARNING ENVIRONMENT, is written by Hasan UCAR, Aras BOZKURT and Olaf ZAWACKI-RICHTER. This research indicates that academic procrastination is a common attitude among learners, and that it generally has a negative correlation with academic performance. The present quantitative causal-comparative study aims to determine the cause of differences, in terms of procrastination tendency, in academic performance among online learners. Results highlight that academic procrastination tendency is an important indicator for predicting the academic achievements of online learners.

The title of the 3rd is AN OPEN ONLINE COURSE TO ENHANCE DIGITAL COMPETENCES OF TEACHERS. The authors are Bengusu UGUR, Selay ARKUN KOCADERE, Pinar NUHOGLU KIBAR and Fatma BAYRAK. The purpose of this study is to design an online professional development program and evaluate the developed course in light of the implementation results. This course provides teachers with the opportunity to develop an ICT-enhanced lesson plan and apply it in their own classes.

Alessandro Silva de OLIVEIRA, Matheus Alberto Rodrigues SILVA, Dirceu da SILVA and Richardson Coimbra BORGES are the authors of the 4th article. This article is titled QUALITY ASSESSMENT OF ONLINE DISCUSSION FORUMS: CONSTRUCTION AND VALIDATION OF A SCALE THAT VALUES STUDENT PERCEPTION. The aim of this paper is to develop and validate a Quality Perception of Online Discussion Forums (QPODF) scale. To this end, quantitative research is carried out with students of postgraduate courses lato sensu the online distance education. The results demonstrate that the quality of the construct perceived online discussion forums has two dimensions: "Forum Structure" and "Forum Mediation."

INNOVATIVE APPROACHES IN DEVELOPMENT OF EDUCATIONAL MATERIALS: A CASE STUDY OF SCIENCE TEACHERS is the title of the 5th article, and the authors are Munise SECKIN KAPUCU, Zeynep YURTSEVEN AVCI and Irfan SURAL. This study aims to examine experiences of science teachers in the training process they attended for innovative technology applications. Case study method, one of the qualitative research methods, is used for study design. The results indicate, teachers found innovative technologies positive in terms of attracting student attention, increasing involvement of the students, and facilitating/concretizing learning; and negative in terms of causing distraction and technology dependence.

The authors of the 6th article are Amin Ullah KHAN, Kashif Ullah KHAN, Fouzia ATLAS, Sadia AKHTAR and Farhan KHAN. The title is CRITICAL FACTORS INFLUENCING MOOCS RETENTION: THE MEDIATING ROLE OF INFORMATION TECHNOLOGY. This paper investigates the impact of

critical factors such as the instructor's role, course relevancy, learning outcomes on MOOCs retention. Also, this study analyzes the mediating role of IT (Social Media) between critical factors and MOOCs retention and provides feasible solutions for the improvement of MOOCs retention rates.

The title of the 7th article is AN INVESTIGATION OF MATHEMATICS TEACHERS' EMERGENCY REMOTE TEACHING EXPERIENCES. Ayla ATA BARAN and Hakan BARAN are the authors. The purpose of this study is to examine the evaluations of mathematics teachers' emergency remote teaching experiences. As a result, it is seen that participating teachers' current understanding of the concept of distance education has influenced the way they conduct their online lessons.

INVESTIGATION OF THE ATTITUDES DISTANCE EDUCATION OF THE FACULTY OF SPORT SCIENCE STUDENTS IN THE COVID-19 PERIOD is the 8th article, and the authors are Yasin KARACA and Mehmet ILKIM. This study aims to examine the attitudes of the Faculty of Sport Sciences Students education in the period of COVID-19 according to gender, class, regular internet access status, courses attendance status, the device in which the courses were followed, the environment to attend courses and viewing distance education useful variables. The results indicates, the students found the distance education applied in COVID-19 period beneficial.

Dincer SARAL and Seray OLCAY are the authors of the 9th article. The title of this article is TELEHEALTH FOR FAMILIES OF CHILDREN WITH SPECIAL NEEDS: EXPERTS' OPINIONS. This qualitative study aims at describing the opinions and recommendations of the experts toward the basic characteristics of Telehealth interventions (TI), guidelines for successful practices, ethical considerations, potential problems, and solutions associated with TI process. According to the authors, the findings may guide future practitioners, researchers, or teachers in conducting or investigating the effectiveness of TI.

The 10th article is TEACHERS' ATTITUDES AND OPINIONS ON MATHEMATICS LESSONS CONDUCTED WITH DISTANCE EDUCATION DUE TO COVID-19 PANDEMIC. The authors are Baris DEMIR, Gul KALELI YILMAZ and Hulya SERT CELIK. This study concentrates on determining attitudes of teachers towards distance mathematics education and examining their views based on some variables. The result of the study demonstrated that attitudes of teachers towards distance mathematics education.

The 11th article which is authored by Caroline M. AZIONYA and Ayshey NHEDZI is titled THE DIGITAL DIVIDE AND HIGHER EDUCATION CHALLENGE WITH EMERGENCY ONLINE LEARNING: ANALYSIS OF TWEETS IN THE WAKE OF THE COVID-19 LOCKDOWN. The study reveals the perceptions and experiences of university students from historically marginalized and privileged universities. Results reveal, online learning did not increase the accessibility of university education during the pandemic for students attending marginalized universities.

The title of the 12th article is IMPLEMENTING FLIPPED CLASSROOM MODEL IN DEVELOPING BASIC LANGUAGE ARTS OF THE FOURTH GRADE STUDENTS, and the author is Mehmet Fatih KAYA. This study aims to examine the role of the Flipped Classroom Model (FCM) in the development of the basic language skills of 4th grade students in Turkish language lesson. According to results, the activities carried out during the implementation contributed to the development of language skills of the students.

The 13th article, BARRIERS TO ONLINE LEARNING: ADJUSTING TO THE 'NEW NORMAL' IN THE TIME OF COVID-19, is authored by Abeer Aidh ALSHWIAH. This study specifically examines the barriers facing Secondary school students, providing suggestions for overcoming these barriers, as gathered from educational technology specialists. The results show that experts agreed on the need for a virtual learning environment (VLE) that would help develop students' self-learning, research, and critical thinking skills.

Yasemin TAS, Selma EMINOGLU, Gulsah ATILA, Yasemin YILDIZ and Ummugulsum BOZKURT are the writers of the 14th article. The title is TEACHERS' SELF-EFFICACY BELIEFS AND OPINIONS ABOUT DISTANCE EDUCATION DURING THE COVID-19 PANDEMIC. This study investigated

teaching self-efficacy beliefs and opinions about distance education of teachers in Turkey who switched to distance education during the COVID-19 pandemic. As a result, suggestions are made to make distance education more effective.

VISUALIZATION OF DATA ANALYSIS FOR EVALUATION OF THE LEVEL OF IT-SPECIALISTS COMPETENCIES' CREATION is the 15th article and the authors are Oksana GUSHCHINA and Oksana ANIKINA. In the study, the authors show how visualization and analysis of education data could be used in simulation and adjustment of education program curriculum for future evaluation of the formation levels the graduates competences as specified by educational standard. The authors suggest the scenario that demonstrate the possibility of automatic evaluation of graduate competences formation.

Manal BAYYAT, Zainab ABU MUAILI and Lujayn ALDABBAS are the authors of the 16th article titled ONLINE COMPONENT CHALLENGES OF A BLENDED LEARNING EXPERIENCE: A COMPREHENSIVE APPROACH. This study aims to investigate: (1) the construct validity of the "Blended Learners' Online Component Challenges" BLOCC scale. (2) the internal reliability of the scale, and (3) the differences between blended learners' online component challenges according to different socio-demographic variables for Sport Science students.

The 17th article is titled CO-CREATION APPLIED TO INNOVATION FOR BRANDING ONLINE DISTANCE EDUCATION. The author is Farooq HAQ. This exploratory qualitative research investigates branding innovation for online distance education in Australian regional universities. The purpose is to apply co-creation to specify the type of innovation and branding approach for online distance education. The research purpose was achieved by studying two regional universities in Australia. Research outcomes cover a gap in literature on branding online distance education for innovation based on co-creation. This study could be replicated in other countries including Turkey to investigate factors affecting innovation for branding distance education.

There are two book reviews in this issue. TEACHING IN A DIGITAL AGE: GUIDELINES FOR TEACHING AND LEARNING is the title of the first book. The author of this book Anthony William (Tony) BATES. The reviewer is Mohsen KESHAVARZ.

Other book's title is ADOPTION OF DATA ANALYTICS IN HIGHER EDUCATION LEARNING AND TEACHING. Dirk IFENTHALER and David GIBSON are the editors of this book. Seyda KIR and Murat ARTSIN are the reviewers.

Hope to meet again in the next issue of TOJDE.

Cordially,

Dr. T. Volkan YUZER

Editor in Chief