ORCLEVER SCIENCE &
RESEARCH GROUP

OPEN ACCESS

PEER-REVIEWED JOURNAL

OPRD

Orclever Proceedings of Research and Development

AIMS & SCOPE

Orclever Proceedings of Research and Development (OPRD) is an open access journal dedicated to publishing findings resulting from conferences, congresses, and similar events

PUBLISHED BY Orclever Science & Research Group
FREQUENCY Continuous Publication
DOI PREFIX 10.56038

Vol. 1
Issue 1 · 2022 — 2nd International Conference on Design, Research and Development (RDC 2022)

E-ISSN 2980-020X
Editor-in-Chief · Prof. Dr. Zeki Oralhan, Nuh Naci Yazgan University
orclever.com/journals/oprd

In this issue

The Effect Of Drag Link Bending Radius On Fatigue Life And Static Forces Strength
İbrahim Kılınç, Yılmaz Yıldız, Hüseyin Batı
pp. 1-7 · 10.56038/oprd.v1i1.123

A Dilemma of Integrity in the Implementation of Conservation Development Plans in Bursa, a World Heritage Site in Turkey
Sermin Çakıcı Alp
pp. 8-24 · 10.56038/oprd.v1i1.128

Investigation of The Effect of Clutch Disc Cushion Spring Bending Radius on Spring Reaction Force
Ömer Yıldız, Caner Eş
pp. 25-37 · 10.56038/oprd.v1i1.129

A New Automation System for Equipment Status and Efficiency Detection with Machine Learning Based Image Processing
Yunus Emre Yurdagül, Okan Vural, Kaan Çelik, Haluk Atlı et al.
pp. 38-44 · 10.56038/oprd.v1i1.206

The Role of User Intervention on the Sustainability of Traditional Houses An Analysis from a Case Study: Ayvalık House
Serpil Özker, Umut Tuğlu Karslı, Özge Ürtekin
pp. 45-57 · 10.56038/oprd.v1i1.118

Digital Academy for Mentally Disabled
Bulut Karadağ, Zeynep Erbaşı, Kazım Tamer Karagöz, Samet Özmen
pp. 58-74 · 10.56038/oprd.v1i1.152

Development of Denim Products in Seamless Form
Ceylin Alperen, Filiz Aslan
pp. 75-81 · 10.56038/oprd.v1i1.194

Research the Impact of the Electronic Kanban System on the Performance of Manufacturing Processes Developed With the Digital Transformation Approach
Erkan Bayır, Murat Bulca, Sezer Selim, Erdal Karabulut et al.
pp. 82-93 · 10.56038/oprd.v1i1.126

Effect of Cement-Sand-Clay Mixture on Static Analysis
Suadad AL Asadi, Kaveh Dehghanian
pp. 94-110 · 10.56038/oprd.v1i1.153

Sales Forecasting System for Van-Sales Channel for FMCG Industry
Seza Dursun, Ferhat Bakan, Sahika Koyun Yilmaz, Mehmet Sıddık Aktaş
pp. 111-119 · 10.56038/oprd.v1i1.136

Z-Bar Design and Structural Analysis in Loader Construction Equipment
Mehmet Can Katmer, Gökberk Biçer
pp. 120-129 · 10.56038/oprd.v1i1.147

In-Vehicle Loading Optimization System for the Cargo Industry
Yağmur Özen, Mehmet Aktaş, Yusuf Memiş, Didem Zülfikaroğlu
pp. 130-141 · 10.56038/oprd.v1i1.138

Performing Mechanical Strength and Torque Studies for Weight Reduction in Norm One Way Patented Product
Doğuş Zeren, Fatih Kocatürk, M. Burak Toparli
pp. 142-151 · 10.56038/oprd.v1i1.157

A New System Design for Making Non-Intelligent Handheld Devices Used in Production Compatible with Industry 4.0
Kader Nikbay Oylum, Turgay Tugay Bilgin, Kenan Selçuk
pp. 152-159 · 10.56038/oprd.v1i1.156

Innovative Wire Conveyor Drive System in Industrial Infrared Furnaces
Alper Keleşoğlu, Esra Bayır
pp. 160-166 · 10.56038/oprd.v1i1.158

Determination of The Effect of Dyeing and Finishing Processes on Physical, Mechanical, Handle, Comfort and Functional Properties of Cotton Knitted Fabrics
Durul Büşra Dilden, Muhammed Fatih Yüksel, Seda Keskin, Uğur Ergünay et al.
pp. 167-177 · 10.56038/oprd.v1i1.173

Development of a Price Tag Detection System on Mobile Devices using Deep Learning
Melek Turan, Musa Peker, Hüseyin Özkan, Cevat Balaban et al.
pp. 178-187 · 10.56038/oprd.v1i1.174

Smart Street Lighting System
Zafer Örs, Tayyip Uğur Taşkın, İrem Arhan, Levent Doğan et al.
pp. 188-197 · 10.56038/oprd.v1i1.155

Reusable Sanitary Pad
Ersin Dobur, Bekir Boyacı, Sadiye İnceoğlu
pp. 198-206 · 10.56038/oprd.v1i1.183

Obtaining High Viscosity Flavorings with Using Emulsification Method
Ganime Selen Karaçuhalılar
pp. 207-219 · 10.56038/oprd.v1i1.142

Microstructural Characterization and Mechanical Tests of Mill Rolls
Mehmet Solmaz, Hasan Kotan, Sabriye Açıkgöz, Mehmet Bağcı
pp. 220-239 · 10.56038/oprd.v1i1.204

Numerical Analysis of Soft Soils Reinforced with Deep Mixing Column
Emine Almadani, Kaveh Dehghanian
pp. 240-256 · 10.56038/oprd.v1i1.205

A Study on Daylight Performance Evaluation in Primary School Classrooms
Gökce Erdemir, Alpin Köknel Yener
pp. 257-270 · 10.56038/oprd.v1i1.184

Food Design as a University-Industry Collaboration Project: An Experience Design on Controlling Chocolate Consumption and Long-Term Eating Behavior
Büşra Durmaz, Füsun Curaoğlu
pp. 271-282 · 10.56038/oprd.v1i1.185

Dynamic Parameter Estimation for a Washing Machine
Yongki Yoon, Zeynep Erenay, Ahmet Kubilay Şavkan
pp. 283-294 · 10.56038/oprd.v1i1.207

pH Measuring Pad for Underpad
Şule Bayram, Hüner Aydın
pp. 295-306 · 10.56038/oprd.v1i1.208

Business Process Architecture for Sentiment Analysis on Speech Data
Asli Terim, Sumeyye Nur Çağlayan, Aytaç Kıvılcım, Mehmet Aktaş
pp. 307-320 · 10.56038/oprd.v1i1.211

Corporate Excellence Software
Buket Demirel
pp. 321-326 · 10.56038/oprd.v1i1.212

Evaluation of Seismic Acceleration Demands on Mechanical Support Systems
Samet Karamahmutoğlu, Burçin Aslıpek Özkara, Vesim Yıldırım, Kübra Yaman et al.
pp. 327-338 · 10.56038/oprd.v1i1.213

Document Based Data Sharing Platform Architecture
Abdülkadir Karabacak, Ergün Okay, Mehmet S. Aktaş
pp. 339-348 · 10.56038/oprd.v1i1.214

Developing Alternative Methods to Reduce the Deformation of the Traditional Moonwash Method on Knit Fabrics
Buse Mert, Ali Sevim, Funda Sever
pp. 349-356 · 10.56038/oprd.v1i1.217

Table of Contents
Zeki Oralhan
pp. i-iii