Riga Technical University
Faculty of Engineering Economics and Management

RTU 63RD INTERNATIONAL SCIENTIFIC CONFERENCE ON ECONOMICS AND ENTREPRENEURSHIP SCEE’2022 PROCEEDINGS

Riga, Latvia, 13–14 October 2022

RTU Press
Riga 2022

Editor-in-Chief
Prof. Elīna Gaile-Sarkane, Riga Technical University, Latvia

Managing Editor
Prof. Dr. Tatjana Tambovceva, Riga Technical University, Latvia

International Editorial Board
Prof. Dr. Ineta Geipele, Riga Technical University, Latvia
Prof. Dr. Natalija Lāce, Riga Technical University, Latvia
Prof. Dr. Inga Lapiņa, Riga Technical University, Latvia
Prof. Jean-Pierre Segers, Visiting professor at RTU, PXL University of Applied Sciences, Belgium
Prof. Dr. Leonid Melnyk, Sumy State University, Ukraine
Prof. Dr. Asta Savanavičienė, Kaunas University of Technology, Lithuania
Ass. Prof. Dr. Iveta Šimberova, Brno University of Technology, Czech Republic
Assoc. Prof. Dr. Armands Auziņš, Riga Technical University, Latvia

Contacts:
Faculty of Engineering Economics and Management
Riga Technical University
Kalnciema iela 6-213
LV-1048, Riga, Latvia
Phone: +371 67089394
E-mail: SCEE2022@rtu.lv

ISSN: 2661-5533 (online)

The papers published in this proceeding reflect the opinion of the respective authors. Authors are responsible for the correctness of the publications and the accuracy of the text and technical data.

Authors contributing to the Open Access titles agree to publish their articles under the Creative Commons Attribution license, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Published by RTU Press, Riga Technical University, 6B Kipsalas Street, Riga LV-1048, Latvia
CONTENTS

INTERNATIONAL TRADE, LABOUR MARKET AND ECONOMIC GROWTH IN LONG TERM
Auzina-Emsina A. ...................................................................................................................... 4

A QUALITATIVE CONTENT ANALYSIS OF SUSTAINABLE QUALITY OF LIFE CONCEPT IN RESEARCH ARTICLES
Bandara, W.T.M Hasindu S., Judrupa I. .................................................................................. 13

MEANINGFUL GAMIFICATION OUTCOMES FOR BUSINESS NEEDS
Bernovskis A. ........................................................................................................................... 25

SYSTEMATIC QUALITY IMPROVEMENT OF THE STUDY PROGRAMME: QUALITY FUNCTION DEPLOYMENT
Degtjarjova I., Lapina I., Aramina D., Janauska J., Pildavs J., Mazais J. .................................36

ASSESSMENT OF THE DEADWEIGHT LOSS ARISING FROM THE INFORMATION ASYMMETRY IN THE BANKING MARKET
Freimanis K., Šenfelde M. ........................................................................................................49

PROBLEMS AND CHALLENGES OF IMPLEMENTATION AND MANAGEMENT OF SOCIAL ENTREPRENEURSHIP IN SRI LANKA
Jayasinghe D.I., Greitane R. ..................................................................................................... 57

ECONOMIC ISSUES OF BLOCKCHAIN USE IN BUSINESS: CHALLENGES OF INDUSTRY 4.0
Matsenko O., Tanashchuk M., Piven V., Matiushchenko M., Melnyk L. ................................. 68

PEDAGOGY OF RETHINKING: TEACHING STUDENTS TO TRANSFORM CONVENTIONAL PROFESSIONAL PRACTICES TO SUSTAINABLE ONES
Radomska M., Khalaim O., Rusinska M., Cherniak L., Wozna A., Zeltina M. .......................... 77

LEAN IMPLEMENTATION BENEFITS FOR THE PHARMACEUTICAL COMPANY - FROM PROJECT TO IMPLEMENTATION
Robertsone G., Markova I. ........................................................................................................ 88

A METHODOLOGICAL FRAMEWORK FOR CO-CREATION OF GOVERNMENT-RESEARCH-INDUSTRY INNOVATION
Suija-Markova I. ..................................................................................................................... 100

PARTICIPATION OF MANUFACTURING FIRMS IN GLOBAL VALUE CHAINS AND ECO-INNOVATION PERFORMANCE: A CASE OF LITHUANIA
Šūmakaris P., Korsakienė R. ................................................................................................... 110

ORGANIZATION AND IMPLEMENTATION OF AGRICULTURAL PRODUCTS LOGISTICS AND GOVERNMENT POLICIES IN CHINA
Taraniuk L., Korsakiene R., Qiu H., Taraniuk K. ........................................................................ 122