

SABIEDRĪBA. INTEGRĀCIJA. IZGLĪTĪBA. Starptautiskās zinātniskās konferences materiāli. I daļa. Augstākā izglītība. 2021.gada 28.-29.maijs. Rēzekne, Rēzeknes Tehnoloģiju akadēmija, 2021, 810 lpp.

*SOCIETY. INTEGRATION. EDUCATION. Proceedings of the International Scientific Conference. Volume I. Higher Education. May 28<sup>th</sup>-29<sup>th</sup>, 2021. Rezekne, Rezekne Academy of Technologies, 2021, p. 810.*

Rekomendējusi publicēšanai Rēzeknes Tehnoloģiju akadēmijas Zinātnes padome, 2021.gada 8.aprīlī.

*Recommended for publication by the Scientific Council of Rezekne Academy of Technologies on April, 8<sup>th</sup>, 2021.*

**Redaktori/ Edited by Velta Lubkina, Gunars Strods, Olga Vindaca**

Šī krājuma raksti pēc konferences tiks piedāvāti iekļaušanai Thomson Reuters Web of Science datu bāzē, kā arī CrossRef, WordCat, Google Scholar datu bāzēs. Elektroniski izdevums pieejams <http://journals.rta.lv/index.php/SIE>

*After the conference the papers of these proceedings will be offered for including in Thomson Reuters (ISI Web of Science), CrossRef, WordCat, Google Scholar. The publication is available in electronic forms at <http://journals.rta.lv/index.php/SIE>*

Informācija par konferenci/ *Information about conference*  
<http://conferences.rta.lv/>



NATIONAL  
DEVELOPMENT  
PLAN 2020



EUROPEAN UNION  
European Regional  
Development Fund

INVESTING IN YOUR FUTURE

ERDF co-funded project "Funding of international projects in research and innovation at Rezekne Academy of Technologies" No. 1.1.1.5/18/I/012



Šis darbs tiek izplatīts ar internacionālo licenci:  
*Creative Commons Attribution 4.0 International License*

ISSN 1691-5887

© Rēzeknes Tehnoloģiju akadēmija, 2021  
© Autoru kolektīvs, 2021

**Konferences zinātniskās komitejas priekšsēdētāji/ *Chairpersons of the scientific committee***

PhD Velta Lubkina, Rezekne Academy of Technologies, Latvia  
PhD Ingrida Baranauskienė, Klaipėda University, Lithuania  
PhD Kristīne Mārtinsonē, Rīga Stradiņš University, Latvia  
PhD Marta Kosior-Kazberuk, Bialystok University of Technology, Poland  
PhD Oleksandr Malykhin, Institute of Pedagogy of the National Academy of Educational Sciences of Ukraine, Ukraine

**Konferences zinātniskā komiteja/ *Scientific committee***

PhD Vilmante Aleksiene, University of Educational Sciences, Lithuania  
PhD Birutė Anužienė, Klaipėda University, Lithuania  
PhD Elina Apsite – Berina, University of Latvia, Latvia  
PhD Iluta Arbidane, Rezekne Academy of Technologies, Latvia  
PhD Nataliia Aristova, Institute of Pedagogy of the Nation Academy of Education Sciences of Ukraine, Ukraine  
PhD Agita Ābele, Latvian Academy of Sport Education, Latvia  
PhD Carl Crh.Bachke, University of Agder, Norway  
PhD Ingrida Baranauskienė, Klaipėda University, Lithuania  
PhD Sanita Baranova, University of Latvia, Latvia  
PhD Baiba Bela, University of Latvia, Latvia  
PhD Dina Bethere, Liepaja University, Latvia  
PhD Krzysztof Biel, Jesuit University Ignatianum in Krakow, Poland  
PhD Solveiga Blumberga, Riga International School of Economics and Business and Business administration, Latvia  
PhD Klaudyna Bociek, Olsztyn Higher School, Poland  
PhD Natalia Bragina, Glinka Nizhny Novgorod State Conservatoire, Russian Federation  
PhD Inta Bruna, University of Latvia, Latvia  
PhD Remigijus Bubnys, Siauliai University, Lithuania  
PhD Ilona Bulgakova, Rezekne Academy of Technologies, Latvia  
PhD Girts Burgmanis, University of Latvia, Latvia  
PhD Solvita Burr, University of Latvia, Latvia  
PhD Ana Campina, University Portucalense, Portugal  
PhD Dagnija Cēdere, University of Latvia, Latvia  
PhD Kristaps Circenis, Rīga Stradiņš University, Latvia  
PhD Iveta Cirule, BIORGANIK5 Ltd, Latvia  
PhD Ervīns Čukurs, Rīga Stradiņš University, Latvia  
PhD Marta Czechowska-Bieluga, Maria Curie-Sklodowska University of Lublin, Poland  
PhD Aleksandrs Dahs, University of Latvia, Latvia  
PhD Līga Danilane, Rezekne Academy of Technologies, Latvia  
PhD Pablo L De Diego, UNED, Spain  
PhD Liāna Deklāva, Rīga Stradiņš University, Latvia  
PhD Aivis Dombrovskis, Private practice in Psychology, Latvia  
PhD Aija Dudkina, University of Latvia, Latvia  
PhD Jānis Dzerviniks, Rezekne Academy of Technologies, Latvia

PhD Manuels Fernandezs, University of Latvia, Latvia  
PhD Andra Fernate, Latvian Academy of Sport Education, Latvia  
PhD Ilze France, University of Latvia, Latvia  
PhD Arturs Gaveika, Rezekne Academy of Technologies, Latvia  
PhD Andrejs Geske, University of Latvia, Latvia  
PhD Alina Gil, Jan Długosz University, Poland  
PhD Aleksandrs Gorbunovs, Riga Technical University, Latvia  
PhD sc.ing. Pēteris Grabusts, Rezekne Academy of Technologies, Latvia  
PhD Ingūna Griškēviča, Rīga Stradiņš University, Latvia  
PhD Ingars Gusans, Rezekne Academy of Technologies, Latvia  
PhD El-Kaber Hachem, Moulay Ismail University, Morocco  
MG Mart Hovi, Estonian University of Life Sciences, Estonia  
PhD Svetlana Ignatjeva, Daugavpils University, Latvia  
PhD Dzintra Ilisko, Daugavpils University, Latvia  
PhD Julija Jacquemod, RISEBA University of Allied Sciences, Latvia  
PhD Jelena Jermolajeva, University College of Economics and Culture, Latvia  
PhD Lolita Jonāne, Daugavpils University, Latvia  
PhD Palmira Juceviciene, Kaunas University of Technology, Lithuania  
PhD Inese Jurgena, University of Latvia, Latvia  
PhD Angelika Juško-Štekele, Rezekne Academy of Technologies, Latvia  
PhD Joanna Juszczak-Rygallo, Jan Dlugosz University in Czestochowa, Poland  
PhD Valentina Kalinina, Liepaja University, Latvia  
PhD Eriks Kalvans, Rezekne Academy of Technologies, Latvia  
PhD Kristine Kampmane, University of Latvia, Latvia  
PhD paed. Ilmārs Kangro, Rezekne Academy of Technology, Latvia  
PhD Atis Kapenieks, Riga Technical University, Latvia  
PhD Małgorzata Karczewska, University of Zielona Góra, Poland  
PhD Judita Kasperuniene, Vytautas Magnus University, Lithuania  
PhD Irēna Katane, Latvia University of Life Sciences and Technologies, Latvia  
PhD Aivars Kaupuzs, Rezekne Academy of Technologies, Latvia  
PhD Ausra Kazlauskiene, Siauliai University, Lithuania  
PhD Anna Khilya, Vinnytsia Mykhailo Kotsiubynskiy State Pedagogical University, Ukraine  
PhD Antra Kļavinska, Rezekne Academy of Technologies, Latvia  
PhD Sergejs Kodors, Rezekne Academy of Technologies, Latvia  
PhD Jeļena Koļesņikova, Rīga Stradiņš University, Latvia  
PhD Aleksandrs Koļesovs, University of Latvia, Latvia  
PhD Marta Kosior-Kazberuk, Bialystok University of Technology, Poland  
MA Inta Kotane, Rezekne Academy of Technologies, Latvia  
PhD Anna Kotova, V. N. Karazin Kharkiv National University, Ukraine  
PhD Vasyl Kovalchuk, Institute of Pedagogy of the Nation Academy of Education Sciences of Ukraine, Ukraine  
PhD Agnieszka Kozerska, Jan Dlugosz University in Czestochowa, Poland  
PhD Brigita Kreiviniene, Klaipeda University, Lithuania  
PhD Zaiga Krišjāne, University of Latvia, Latvia  
PhD Jiří Kropáč Palacký University Olomouc, Czech Republic  
PhD Alex Krouglov, Rezekne Academy of Technologies and University College London, United Kingdom

PhD Aira Aija Krumina, Rīga Stradiņš University, Latvia  
PhD Juris Krūmiņš, University of Latvia, Latvia  
PhD Zenija Kruzmetra, Latvia University of Life Sciences and Technologies, Latvia  
PhD Urve Läänemets, Estonian Academy of Music and Theatre, Estonia  
PhD Karīne Laganovska, Rezekne Academy of Technologies, Latvia  
PhD Ilona Laizāne, University of Latvia, Latvia  
PhD Mykola Latyshev, Borys Grinchenko Kyiv University, Ukraine  
PhD Sanita Lazdiņa, Rezekne Academy of technologies, Latvia  
PhD Agnieszka Lewicka-Zelent, Maria Curie-Skłodowska University in Lublin, Poland  
PhD Tetiana Liakh, Borys Grinchenko Kyiv University, Ukraine  
PhD Anna Līduma, University of Latvia, Latvia  
PhD Inga Liepina, Latvian Academy of Sport Education, Latvia  
PhD Lienīte Litavniece, Rezekne Academy of Technologies, Latvia  
PhD Jeļena Ļubenko, Rīga Stradiņš University, Latvia  
PhD Jarosław Makal, Białystok University of Technology, Poland  
PhD Elena Makeeva, Samara State University of Social Sciences and Education, Russian Federation  
PhD Ioannis Makris, High School of Pedagogical and Technological Education of Athens, Greece  
PhD Vladislavs Malahovskis, Rezekne Academy of Technologies, Latvia  
PhD Oleksandr Malykhin, Institute of Pedagogy of the National Academy of Educational Sciences of Ukraine, Ukraine  
PhD Marina Marcenoka, Rezekne Academy of Technologies, Latvia  
PhD Daniel Markovič, Catholic University in Ružomberok, Slovakia  
PhD Heiko Marten, Rezekne Academy of Technologies, Latvia  
PhD Arvydas Martinkenas, Klaipeda University, Lithuania  
PhD Gilberto Marzano, President of Ecoistituto Udine, Italy  
PhD Līga Mazure, Rezekne Academy of Technologies, Latvia  
PhD Dace Medne, Jāzeps Vītols Latvian Academy of Music, Latvia  
PhD Arturs Medveckis, University of Liepāja, Latvia  
PhD Valentin Melnik, Pskov State University, Russian Federation  
PhD Iveta Mietule, Rezekne Academy of Technologies, Latvia  
PhD Sandra Mihailova, Rīga Stradiņš University, Latvia  
PhD Ivans Jānis Mihailovs, Rīga Stradiņš University, Latvian Academy of Culture, Latvia  
PhD Inga Millere, Rīga Stradiņš University, Latvia  
PhD Sandra Murinska, Rezekne Academy of Technologies, Latvia  
PhD Dace Namsone, University of Latvia, Latvia  
PhD Efrat Neter, Ruppin Academic Center, Israel  
PhD Elena Nikolaeva, Herzen State Pedagogical University, Russian Federation  
PhD Mārīte Opincāne, Rezekne Academy of Technologies, Latvia  
PhD Cristina Palmieri, University of Milan, Italy  
PhD Giedrė Paurienė, Mykolas Romeris University, Lithuania  
PhD Palmira Peciuliauskiene, Vytautas Magnus University, Lithuania  
PhD Viktorija Perepjolkina, Rīga Stradiņš University, Latvia  
PhD Tamāra Piņozne, University of Latvia, Latvia  
PhD Anita Pipere, Daugavpils University, Latvia  
PhD Inta Poudžiunas, Riga Higher Institute of Religious Sciences Affiliated to the Pontifical

Lateran University, Latvia  
PhD Ilga Prudnikova, Rezekne Academy of Technologies, Latvia  
PhD Michael Alexander Radin, Rochester Institute of Technology, United States  
PhD Liuda Radzeviciene, Siauliai University, Lithuania  
PhD Rita Raudeliunaite, Mykolas Romeris University, Lithuania  
PhD Ieva Reine, Riga Stradiņš University, Latvia  
PhD Peteris Rivza, Latvia University of Agriculture, Latvia  
PhD Aleksejs Ruza, Daugavpils University, Latvia  
MA Veronika Ruzickova, Palacky University Olomouc, Czech Republic  
PhD Alida Samusevica, Liepaja University, Latvia  
PhD Guido Sechi, University of Latvia, Latvia  
PhD Nataliia Semenova, Lviv State University of Physical Culture, Medical College at Danylo Halytskyi Lviv National Medical University, Ukraine  
PhD Guna Semjonova, Riga Stradiņš University, Latvia  
PhD Liudmyla Shevchenko, Vinnytsia Mykhailo Kotsiubynskyi State Pedagogical University, Ukraine  
PhD Maryna Shtefan, H.S. Skovoroda Kharkiv National Pedagogical University, Ukraine  
PhD Julia Siderska, Bialystok University of Technology, Poland  
PhD Vineta Silkane, Vidzeme University of Applied Sciences University of Latvia  
PhD Roma Simulioniene, Klaipeda University, Lithuania  
PhD Daina Škuškovnika, Turība University, Latvia  
MA Kristine Šneidere, Riga Stradiņš University, Latvia  
PhD Inese Spica, Scientific Institution Business Competence Centre, Latvia  
PhD Aina Strode, Rezekne Academy of Technologies, Latvia  
PhD Gunars Strods, Rezekne Academy of Technologies, Latvia  
PhD Velga Sudraba, Riga Stradiņš University, Latvia  
PhD Dalia Survutaitė, Vytautas Magnus University, Lithuania  
PhD Guna Svence, University of Latvia, Latvia  
PhD Arita Takahashi, Riga Technical University, Latvia  
PhD Giedrė Tamoliūnė, Institute of Innovative Studies, Academy of Education, Vytautas Magnus University, Lithuania  
PhD Iona Tandzegolskienė, Vytautas Magnus University, Lithuania  
PhD Signe Tomšone, Rīga Stradiņš University, Latvia  
PhD Ingrīda Trups-Kalne, Laterāna Pontifikālās universitātes filiāle, Rīgas Augstākais reliģijas zinātņu institūts (RARZI), Riga Stradiņš University, Latvia  
PhD Sarmīte Tūbele, University of Latvia, Latvia  
PhD Irēna Upeniece, Rīga Stradiņš University, Latvia  
PhD Anda Upmane, University of Latvia, Latvia  
PhD Māra Urdzina-Deruma, University of Latvia, Latvia  
PhD Svetlana Usca, Rezekne Academy of Technologies, Latvia  
PhD Margarita Vasileva, “Vasil Levski” National Military University, Bulgaria  
PhD Tatjana Vasiljeva, „RISEBA” University of Business, Arts and Technology, Latvia  
PhD Žermēna Vazne, Latvian Academy of Sport Education, Latvia  
PhD Helena Vecenane, Liepaja University, Latvia  
MA Mārtiņš Veide, University of Latvia, Latvia  
PhD Aldona Vilkiene, Lithuanian academy of music and theatre, Lithuania  
MA Olga Vindaca, Rezekne Academy of Technologies, Latvia

PhD Raina Vīra, LLC „RISEBA University of Business, Arts and Technology”, Latvia  
PhD Nataia Zajackowska, School of Languages, Linguistics and Film Queen Mary  
University of London, United Kingdom  
PhD Maija Zakrizevska Belogradova, RISEBA University of Applied Sciences, Latvia  
PhD Diāna Zandberga, Jāzeps Vītols Latvian Academy of Music, Latvia  
PhD Jelena Zascerinska, Centre for Education and Innovation Research, Latvia  
MA Daina Znotina, Rezekne Academy of Technologies, Latvia  
PhD Irēna Žogla, Rezekne Academy of Technologies, Latvia  
PhD Erika Zubule, Rezekne Academy of Technologies, Latvia  
PhD Anna Zusa, Latvian Academy of Sports Education, Latvia  
PhD Vaiva Zuzeviciute, Mykolas Romeris University, Lithuania  
PhD Anda Zvaigzne, Rezekne Academy of Technologies, Latvia