

“Mother Teresa” University



# Book of Abstracts

## 5<sup>th</sup> TSD Conference

Skopje, 29 October 2021

Learn more:

[www.conference.unt.edu.mk](http://www.conference.unt.edu.mk)

TSD



*International Conference Towards Sustainable Development*

**Editorial Board:**

Prof. Dr. Aziz Pollozhani - Rector of MTU – MK  
Prof. Dr. Bekim Fetaji – Vice-Rector of MTU - MK  
Prof. Dr. Naser Sahiti - Rector of UP - RKS  
Prof. Dr. Artan Hoxha, Rector of Uni. Tirana, AL  
Prof. Dr. Harald Kainz– Graz Technical Uni. – AUS  
Prof. Dr. Blazho Boev- Rector of UGD Stip - MK  
Prof. Dr. Bajram Kosumi –Rector of Gjilani University – AL  
Prof. Dr. Heinz W. Engl Univeristy of Viena - AUS  
Prof. Ass. Artan Nimani –Rector of Uni.of Gjakova - RKS  
Prof. Dr. Alush Musaj–Rector of Uni. of Mitrovica - RKS  
Prof. Dr. Sasho Korunovski – Rector of Bitola Uni – MK  
Prof.Dr. Dhimitri Bello, University of Korca  
Prof. Dr. Gavino Mariotti - Uni. of Sassari - IT  
Prof. Dr. Agron Bajraktari – Rector of USHA Ferizaj - RKS  
Prof. Dr. Ismet Temaj- Rector of Uni. of Prizren - RKS

**Scientific Committee:**

Prof. Dr. Bekim Fetaji, Mother Teresa University - MK  
Prof. Dr. Bashkim Ziberi, University of Tetovo - MK  
Prof. Dr. Agni Dika, University of Prishtina - RKS  
Prof. Dr. Christian Celigoj, Graz University - Austria  
Prof. Dr. Zoran Popovski, UKIM, Skopje - MK  
Prof. Dr. Bledar Bisha, Voyming Uni. – USA  
Prof.Dr. Christian Gutl, Graz Univ. of Technology – AUS  
Prof.Dr. Niko Qafoku, Chicago Univ. – USA  
Prof. Dr. Herman Maurer, Technical Uni. of Graz - AUS  
Prof. Dr. Gentian Zyberi, ETUNI - NO  
Prof. Dr. Rizvan Sulejmani, Mother Teresa University - MK  
Prof. Dr. Klaus Tochterman, ZBE, Kiel University - GER  
Prof. Dr. Besnik Aliaj, Polis University - ALB  
Prof. Dr. Bashkim Iseni - Univ. Friburg - CH  
Prof. Dr. Olga Popovska, Mother Teresa University - MK  
Prof. Dr. Mimoza Dushi, Uni. of Gjakova - RKS  
Prof. Dr. Tatjana Atanasova Pacemska, UGD Stip - MK  
Prof. Dr. Enes Sukic, University of Nis -SRB  
Prof. Dr. Sani Demiri, Mother Teresa University - MK  
Prof. Dr. Gjergji Mero, Uni. Korçës - AL  
Prof. Dr. Fati Iseni, Mother Teresa University - MK  
Prof. Dr. Daniel Pavlovski, Mother Teresa University - MK  
Prof. Dr. Enver Abdullahi, Mother Teresa University - MK  
Prof. Dr. Kalman Mizsei, CEU - Hungary  
Prof. Dr. Ramiz Zekaj, Canadian Institute of Tech - AL  
Prof. Dr. Drenusha Kamberi Mother Teresa Uni. - MK  
Prof. Dr. Aleksandar Dimovski, Mother Teresa Uni. - MK  
Prof. Dr. Elfrida Shehu, Polytechnic University - ALB  
Prof. Dr. Agim Mamuti, Mother Teresa University - MK  
Prof. Dr. Rubin Zemon, University Euro Balkan - MK  
Prof. Dr. Savo Astalkovski, FON University - MK  
Prof. Dr. Ruzhdi Sefa, Uni. Of. Prishtina - RKS  
Prof. Dr. Monika Lutovska, Mother Teresa University –  
MK Prof. Dr. Mirlinda Ebibi, Mother Teresa University –  
MK  
Prof. Dr. Basri Ameti - Uni. of Gjilan - RKS  
Prof. Dr. Albana Ndreu, Aleksandar Moisiu University, AL  
Prof. Dr. Ljupco Kocarev, UKIM - MK  
Prof. Dr. Aleksandar Nusbaumer, Tech. Uni. Graz - AUS  
Prof. Dr. Rubinho Salvatore, Uni. of Sassari – IT  
Prof. Dr. Maaruf Ali, - Epoka University - AL  
Prof.Dr. Ozcan Asilkan - CIT Canadian Institute of Technology- AL  
Prof.Dr. Reis Mulita - CIT Canadian Institute of Technology- AL

## SESSIONS AND TOPICS

### **I - The role of Technical Developments for Economic Sustainability**

<https://meet.google.com/xam-xtav-ccj>

1. The impact of Technical and Technological Developments for Sustainable Future
2. Exploring and Developing Industries for Sustainable Growth
3. Sustainable Consumption and Production
4. SME's and Start-ups as Drivers for Economic Sustainable Development
5. Sustainable Labor Market
6. Climate Change, Green Energy and Environmental Solutions
7. Recycling, Waste Management, Water Pollution and Treatment
8. Covid-19 as a Global Economic Challenge

### **II - Sustainable Planning in Context of Urbanization, Spatial Planning and Architecture**

<https://meet.google.com/bjz-axru-bzj>

1. Sustainable and Energy-efficient Building and Construction
2. Sustainability in Civil Engineering practice
3. Sustainable Architecture, Design and Housing
4. Applied Mathematics in Sustainable Planning
5. Covid-19 as an Architectural Challenge in NEW Dimensioning of the Space

### **III - Sustainable development through Innovation and ICT**

<https://meet.google.com/xam-xtav-ccj>

1. ICT Competences and Employability
2. Innovation Technologies: IoT, AI, and Block Chain
3. Emerging Programming Languages
4. Data Quality and Privacy
5. The role of IT in the Pandemic

### **IV - Impact of Contemporary Technologies on Sustainable Development**

<https://meet.google.com/cck-snjp-zar>

1. Covid-19, Bioengineering and Medical Advancements
2. Nano Technology Trends
3. Enhancing Sustainable Development through Agriculture
4. Application of Chemical Technology
5. Food Technology, Safety and Security

### **V - Sustainability in Social Context, Education and Miscellaneous**

<https://meet.google.com/niz-tutu-fiq>

1. Education for Sustainable Development – Curriculum Design
2. Demography Trends, Mobility, Brain Drain and role of Covid19
3. The Role of Media and Promotion of Sustainable Development Goals
4. Health and Sports in an Economic and Social Context
5. Political Studies and Developing EU Policies for Sustainable Development

# The importance of IT technologies in education in pandemic time

**Elena Karamazova Gelova**

*Faculty of Computer science, "Goce Delcev" University, Stip, R. N. Macedonia, elena.gelova@ugd.edu.mk*

**Mirjana Kocaleva**

*Faculty of Computer science, "Goce Delcev" University, Stip, R. N. Macedonia, mirjana.kocaleva@ugd.edu.mk*

## **Abstract**

The emergence of a pandemic is not something new in the world. There also have been pandemics in the past. The global covid 19 pandemic has been around for a long time. People all over the world are slowly adapting to the changes and lifestyles imposed by the Coronavirus and after a year and a half of living with that virus they have accepted all the challenges and got used to the new way of life. In the paper we described the functioning of the educational process during the pandemic with Covid 19 virus, more precisely, an analysis of the way the classes we hold during the pandemic is given. Emphasis on the application of IT technologies for successful implementation of teaching and achieving excellent results from students is placed. Finally, a conclusion in which we want to emphasize the importance of the application of IT technologies in education during and after the end of the virus is given, in order to emphasize the advantages of their use. We achieve all this by comparing the educational process in a time of pandemic using IT tools and without IT technologies.

## **Keywords**

*education, learning, Covid 19, testing.*