5th

Global Conference on Material Sciences

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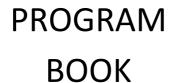
Real International Conference

30 October – 01 November, 2020

Istanbul Ayvansaray University
Istanbul, Turkey

PROGRAM BOOK

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GC-MAS 2019 Participants Flags

GC-MAS 2020

GC-MAS 2020

www.gc-mas.org

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5th Global Conference on Materials Sciences (GC-MAS 2020)

30 October – 01 November, 2020

Istanbul Ayvansaray University
Istanbul, Turkey

PROGRAM BOOK

Dear Participants

Thank you very much for you to participate **5th Global Conference on Materials Sciences (GC-MAS 2020)** which **will be held online** on **30 October – 01 November 2020**.

The conference will be held online. As you know, Coronavirus disease (COVID-19) has influenced the world.

It is prohibited in closed areas to hold meetings in Turkey. Therefore, it was decided by the conference organizing committee to hold the conference on **30 October – 01 November 020** online, considering your health.

Participation in the conference will be in the form of online. Within the scope of the program, the opening ceremony, keynote speeches, the speeches of the participants will be held online and interactively by everyone in the form of video, audio, or text chat. Likewise, participation and presentation certificates will be sent to you. In addition, abstract books and full papers will be published.

The **GC-MAS 2020 Draft Program** is published in our conference web site:
https://www.globalcenter.info/gc-mas/?page_id=30

If your presentation is not available in the draft program, or you may withdraw your paper, please send the name of your article and its authors' names and ID number to gcmas.info@gmail.com until **October 28, 2020, at 24:00 GMT+2**. Your paper will take or out place in the program in a short time.

Even if you have not submitted your full paper until now, you have still chance to take place in the conference program. Please send us an email stating your paper title for the conference program and also if it is ready attach last version of the abstracts until **October 28, 2020**.

Full Paper Publication
- You may publish your article on a journal indexed by **ERIC**, **Scopus** or **Web of Science (ESCI)** following a review process and by paying an additional registration fee. For more information…
- **Selected papers will be published in Supporting or other Journals: Clarivate Analytics Web of Science** (**SSCI,** **SCI-Expanded** or **ESCI**) or **SCOPUS**.
- The Remain accepted full papers will be published as proceedings *"New Trends and Issues Proceedings on Humanities and Social Sciences" (indexed in Web of Science,* www.prosoc.eu) and also submitted to **SCOPUS, ERIC** and **Clarivate Analytics Conference Proceedings Citation Index – CPCI (ISI Web of Science)** for evaluation for inclusion in the list. For more information please click here…

Full Paper Submission
The full paper deadline will be extended **November 30, 2020** and the Camera-ready submission for publication at **December 10, 2020**. This mean you should participate the conference and present your full paper at the conference (oral or virtual) and after the criticism during the conference you will have chance to make your last changes in the last version of your full paper and submit again until November 30, 2020.

Poster or Virtual Presentation
If you want to make POSTER or VIRTUAL PRESENTATION, please send us an email gcmas.info@gmail.com about your presentation type until October 28, 2020. Thus, we can organize the presentations. The posters will be displayed on the conference web site. The participants may be writing their criticism about the poster.

There will be an online (Virtual) presentation rehearsal taking place **on October 28, 2020 at 14:00 (GMT+2, Athens) -16:00 (GMT+2, Athens)**

You will be present your papers at your own home. We will send an invitation to your email address. Thus, you will have started your presentation beforehand. During your presentation, you will have the chance to show your PowerPoint slats. Also, those who follow you will be able to ask you questions.

Best Abstract and Poster Award and Poster Size:
The poster size is A0, equals 118 cm height x 84 cm length, or smaller. Please choose upright format and keep in mind that the font sizes should be big enough to allow your poster to be read from some distance. We suggest using a font size of 22 – 24 pt for texts and 60 – 70 pt for headings. The conference will offer the Poster Award to the three best posters. Please read the guidelines below carefully. You may change to modify you abstract until **September 28, 2020.** Then send it to us gcmas.info@gmail.com**.**

Registration
Please visit these addresses to apply for:
- Conference registration https://www.globalcenter.info/gc-mas/?page_id=24
- If you have difficulty paying, please write to us. Papers without payment will be removed from the program.

We would like you to fill the registration form completely below. This is necessary to make your registration. This form includes personal and paper details, your attendee role (status).

If you have any questions, please contact me. Thank you for considering this conference as a venue for your work.

All the conference members are working hard for your excellence and for the conference.,

With Respect,

Dogan Ibrahim
Chairs of the Conference

Organized by
Beni Suef University
Association for Human, Science, Natura, Education and Technology

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Mansour Hassan Ahmed Hassan
President of Beni Suef University

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KEYNOTES

Prof. Dr. Osman Adıgüzel
Department of Physics, Firat University
23169 Elazig, Turkey

Keynote Title: "Lattice Reactions abd Interactions Governing Phase Transformations in Shape Memory Alloys"

Bio: Dr. Osman Adiguzel was born in 1952, Nigde, Turkey. He graduated from Department of Physics, Ankara University, Turkey in 1974 and received PhD- degree from Dicle University, Diyarbakir-Turkey in Solid State Physics with experimental studies on diffusionless phase transformations in Ti-Ta alloys in 1980. He studied at Surrey University, Guildford, UK, as a post-doctoral research scientist in 1986-1987, and his studies focused on shape memory alloys. He worked as research assistant, 1975-80, at Dicle University, Diyarbakir, Turkey. He shifted to Firat University in 1980, and became professor in 1996, and He has already been working as professor. He published over 45 papers in international and national journals, He joined over 60 conferences and symposia in international and national level with contributions of oral or poster, and He supervised 5 PhD- theses and 3 M.Sc theses.

Dr. Adiguzel served his directorate of Graduate School of Natural and Applied Sciences, Firat University in 1999-2004. He received a certificate which is being awarded to him and his experimental group in recognition of significant contribution of 2 patterns to the Powder Diffraction File – Release 2000. The ICDD (International Centre for Diffraction Data) also appreciates cooperation of his group and interest in Powder Diffraction File.

Scientific fields of Dr. Adiguzel are as follow: Martensitic phase transformations and applications to copper-based shape memory alloys, molecular dynamics simulations, alloy modeling, x-ray diffraction, and electron microscopy.

Prof. Dr. Adem KARAHOCA
ıstanbul Nişantaşı University
Istanbul, Turkey

Keynote Title: "Smart Technologies and Big Data"

Abstract: Smart cities are enabler of the smart technologies to improve outcomes across every aspect of city operation to give feasible service to residents. Making cities smart can be enabled by using full potential of technology and innovation ecosystems in cities. Implementation of IoT (internet of things) devices, sensors and other methods and approaches to get data from the city operations trigger operational data size and increases the big data. To give real time decisions for the city operations, smart applications and data enabled capabilities must be supported

with big data sets. In this study, smart technologies and big data interaction was analyzed to improve city operations for providing more benefits and opportunities for city residents.

Bio: Adem Karahoca is currently a full-time professor in the Department of Computer Eng. And dean of Engineering and Architecture Faculty, Nisantasi University, Istanbul, Turkey. He received his B.Sc. degree in Mathematical Engineering from Istanbul Technical University, M.Sc. and Ph.D. degrees in Software Engineering from Istanbul University. He has published 20 IT related books in Turkish and edited 4 IT related books in English. His research interests are data mining, fuzzy systems, information systems, business intelligence, computers in education, human computer interaction and big data. His research papers have published in Expert Systems with Applications, Applied Soft Computing, Soft Computing, Neural Computing and Applications, Journal of Biomedical Informatics etc.

Assoc. Prof. Dr. Murat TEZER
Near East University
North Cyprus

Keynote Title: "Teachers' Opinions on WEB 2.0 Tools And Use In Mathematics Teaching During The Pandemic Period"

Abstract: An important feature of successful math teachers is that they can provide a variety of activities that support students' learning and assessment. Web 2.0 applications are known to provide a variety of tools to help produce creative activities. A Web 2.0 tool enables the student to enter data and create multimedia products using text, graphics, sound, and video. The possibilities for creativity and variety are unlimited. As a standard, students are expected to demonstrate reasoning and intuition and understanding when solving math exercises. The aim of this study is to examine teachers' opinions about WEB 2.0 tools and use in mathematics teaching in distance education during the pandemic period. As a research method, interview technique, one of the qualitative research methods, was used in this research. The working group of the research consists of 12 clasroom teachers working in primary schools. Suggestions were given as a result of the findings of the research in which the semi-structured interview form was used to collect the data.

Bio: He was born in Nicosia in 1972. After completing his primary education, he completed his high school at Nicosia Turkish Lycee in the year of 1990. In the same year, he started to Hacettepe University at Ankara for BA and graduated in 1994. He completed his MA (1996) and Ph.D. (2003) at the Faculty of Arts and Sciences, Applied Mathematics and Computer Sciences Department of Eastern Mediterranean University. He gave his Ph.D. Thesis about "Cycle Decompositions and Labeling of Graphs" in 2003. Between the years 1994 and 2003, he worked as full-time instructor in the same university. Between the years in 2010-2014 he worked as a project advisor and project assistant at Yeniyüzyıl Kindergarten, Karaoğlanoğlu Primary School, Gönyeli Primary School, Çamlıbel Primary School, Şehit Hüseyin Ruso Secondary School, Yeşilyurt Primary School in Northern Cyprus and Kurtuluş Lycee and under

the grant program supported by the European Union and also gave these school teachers Smart Board lessons. He gives in-service training courses (statistical software SPSS, further evaluation and assessment, and office programs) to the teachers these working in schools affiliated to the Ministry of Education.

Assoc. Prof. Dr. Nazım Kaşot

Keynote Title: "Teaching Environmental Education Through Technology"

Abstracts: It is very important to share information about the environment, to create awareness and to ensure its sustainability, to connect with and touch people. People need to know that the environment must be protected in order to survive. Addressing environmental problems and eliminating these problems can only be possible if people have environmental awareness. Various media tools and technologies can be used to spread environmental awareness among people. Everybody knows that social media raise awareness of the public by examining environmental problems. For this reason, it can be said that the easiest way to share information about the environment is social media. Increasing environmental knowledge and awareness with technologies that can be used alongside the media has become one of the important issues of today's world. Despite different opinions, the Covid-19 pandemic has shown that digital learning has become a part of our lives and will be used more often in the future. In this presentation, methods that will facilitate the learning of environmental issues with the help of technology will be mentioned and examples will be given.

Bio: Nazım Kaşot studied biology at the Ege University between the years 2003 and 2007. His graduation project was about the biology of stripe necked terrapin (*Mauremys rivulata*). He was ranked third in the class and the fourth of section Nazım Kaşot, Kıbrıs Adası'nda Dağılış Gösteren Çizgili Kaplumbağa'nın (*Mauremys rivulata*) Ekolojisi ve Biyolojisi Hakkında Bir Ön Çalışma with 85/100 points. He has the master degree on Secondary Education Field Teaching at Atatürk Teacher Training Academy between the years 2010 and 2011 and then worked as a biology and science teacher at the Bekirpaşa High School, Mehmetçik Secondary School, Mağusa Vocational High School, Haspolat Vocational High School and Gazi Mağusa Türk Maarif College. He had many experiences in the field of secondary education and combined his experiences to improve the environmental education in secondary schools. He was graduated from the master program on environmental education at the Near East University in 2012. He was also graduated from his PhD program on the same area in 2016 at the same university. He is now working for University of the Mediterranean Karpasia as an associate professor. He is conducting researches especially on environmental educatiton and biodiversity issues. He has lots of academic papers and books in the field of environmental education and biodiversity.

DRAFT PROGRAM

IMPORTANT EVENTS

30.10.2020 10:00 – 10:15	**Opening Ceremony**	

TIME	TITLE	SPEAKER	HALL NAME
30.10.2020 10:15 – 11:00 **Keynote 1**	"Lattice Reactions abd Interactions Governing Phase Transformations in Shape Memory Alloys"	**Prof. Dr. Osman Adıgüzel** Department of Physics, Firat University, 23169 Elazig, Turkey	**1**

11:00 – 11:20	**Coffee Break**

TIME	TITLE	SPEAKER	HALL NAME
30.10.2020 11:20 – 12:00 **Keynote 2**	"Will be announce"	Prof. Dr. Hüseyin UZUNBOYLU *Higher Education Planning, Supervision, Accreditation and Coordination Board*, Nicosia, North Cyprus	**1**

12:00 – 12:20	**Coffee Break**

TIME	TITLE	SPEAKER	HALL NAME
30.10.2020 12:20 – 13:00 **Keynote 3**	"Will be announce"	Prof. Dr. Murat Tezer *Near East University, Nicosia*, North Cyprus	**1**

13:00 – 14:00	**Lunch**

TIME		HALL NAME
01.11.2020 20:00 – 20:20	**Closing Ceremony**	**1**

30/10/2020, Friday
(Turkey Time, GMT+3)

IMPORTANT EVENTS

30.10.2020 10:00 – 10:15	Opening Ceremony	

TIME	TITLE	SPEAKER	HALL NAME
30.10.2020 10:15 – 11:00 Keynote 1	"Lattice Reactions abd Interactions Governing Phase Transformations in Shape Memory Alloys"	**Prof. Dr. Osman Adıgüzel** Department of Physics, Firat University, 23169 Elazig, Turkey	1

11:00 – 11:20	Coffee Break

TIME	TITLE	SPEAKER	HALL NAME
30.10.2020 11:20 – 12:00 Keynote 2	"Will be announce"	**Prof. Dr. Hüseyin UZUNBOYLU** *Higher Education Planning, Supervision, Accreditation and Coordination Board*, Nicosia, North Cyprus	1

12:00 – 12:20	Coffee Break

TIME	TITLE	SPEAKER	HALL NAME
30.10.2020 12:20 – 13:00 Keynote 3	"Will be announce"	**Prof. Dr. Murat Tezer** *Near East University, Nicosia*, North Cyprus	1

13:00 – 14:00	Lunch

Session 1
14:00 – 16:00

COMENG

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Performance Analysis of Different Support Vector Machine Algorithms	A.Kadir Tepecik, Emre Sadikoglu, *Yalova University*, Turkey
2	Smart Learning Technology for Computer Programming Driven by Research Related To COVID-19	Ramona Markoska, *University St. Kliment Ohridski*, Macedonia
3	Diagnosis of Diabetes by Using Pyhton Language with Data Mining Methods	A.Kadir Tepecik, Sumeyye Tongel, *Yalova University*, Turkey
4	IHS Prediction	Zeynep Ertinas, Kaan Özdöker, Ali Kara, *CMS Jant ve Makina Sanayi A.Ş*, Turkey
5	Prediction of Renewable Energy Consumption for Future World by Using Artificial Neural Networks	Ramiz Musallam Salama, *Near East University*, Turkey
6	Estimation of House Prices with Ridge Regression Analysis	A.Kadir Tepecik, Ersin Tanrikulu, *Yalova University*, Turkey

16:00 – 16:20	Coffee Break

Session 2
16:20 – 18:00

COMENG

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Classification of Diabetes Disease by Machine Learning Methods	A.Kadir Tepecik, Emre Sadikoglu, *Yalova University*, Turkey
2	Extraction of Urban Buildings Using Color Image Processing and Morphological Operations	Mete Durlu, Ozan Eşki, Emre Sümer, *Baskent University*, Turkey
3	Comparison of Performance Analysis of The Dikstra, Bfs And Dfs Algorithms on The Istanbul Metro Line Station	Abdulkadir Tepecik, Ahmet Furkan Agrak, *Yalova University*, Turkey
4	A Priority Aware Routing Protocol for Emergency Mobile Ad Hoc Networks	Özgür Özkaya, Yunus Özen, Abdülkadir Tepecik, *Yalova University*, Turkey
5	Direction Determination and Adulthood Analysis with Deep Learning	A.Kadir Tepecik, Husnu Yasar, *Yalova University*, Turkey

31/10/2020, Saturday
(Turkey Time, GMT+3)

Session 1
09:00 – 11:00

GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Inhibitive Effect of An Organic Compound on The Corrosion of Carbon Steel in Deminiralized Water	Nadia Hammouda, *20 Août 1955 University*, Algeria
2	Activation Energy of Hydroxyapatite Formation in Kaolin - Natural Phosphate Mixtures	Fateh Chouia, *Univetsity of Biskra*, Algeria
3	Spacings in Weibull model	Mahdy Esmailian, *University of Mohaghegh Ardabili*, Iran
4	Development of Modified Zeolite Based Adsorbents for High-Performance Desulfurization	Betül Bulut, *Istanbul Technical University*, Turkey
5	The Effect of Boron Oxide on Sintering Behaviour of SiO2-B2O3-Na2O-ZnO Glass-Ceramic System	İremnur Ceylan, Buğra Çiçek, *Yildiz Technical University*, Turkey
6	Investigation of Microstructure and Mechanical Performances of Nozzles Produced from DIN 1.3343 Steel with Heat Treatment and Coated with TiN	Muhammet Ahmet Söyler, Turkey

11:00 – 11:20	**Coffee Break**

Session 2
11:20 – 13:00

GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Structural and Mangetic Properties of NdFe10.5-xAl1.5 Bx (x = 0, 1, 2, 3) Alloys	Gülten Sadullahoğlu, *Zonguldak Bülent Ecevit University*, Turkey
2	Growth of Single Crystal Ga2O3 By Customized Low-Pressure Chemical Deposition	Fatih Akyol, *Yildiz Technical University*, Turkey
3	Development of Magnesium Aluminate (MgAl2O4) Nanoparticles for Thermal Applications	Shaheer Ahmed Khan, *International Islamic University*, Malaysia
4	Green Synthesis and Characterization of Silica Powder	Shaheer Ahmed Khan, *International Islamic University*, Malaysia
5	Diffusion Properties of Barium Disilicate Glass-Ceramics for Dental Applications	Burcu Ertuğ, *Nişantaşı University*, Turkey

13:00 – 14:00	**Lunch**

Session 3
14:00 – 16:00

GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	TEMPORARY SPATIAL SOLUTIONS and The New Approaches to Design | How Social Innovation and Collaborative Services Can Reshape Balat, Istanbul For Children's Everyday Sense of Well-Being?	Yasemin Albayrak Kutlay, *Izmir University of Economics*, Turkey
2	A Detailed Study of Hydrogen Treatment of Iron Catalyst for Carbon Nanotube Synthesis	Osman Tolga Gul, *Ankara Hacı Bayram Veli University,* Turkey
3	Effect of Semiconductor Technologies on Electrical Properties of a Missing Active Device-Trancitor	Mourad Hebali, *University Mustapha Stambouli of Mascara,* Algeria
4	Improved Thermo-Hydraulic Performance of An Aluminum Hemispherical Pin Fins Heat Sink	Bellahcene Lahcene, *Université Amar Telidji-Laghouat,* Algeria
5	Experimental Evaluation of Compressive Strength of Concrete with Several Local Sand Exposed to Freeze-Thaw Cycles	Mohamed Lyes Kamel Khouadjia, *University of Brother Mentouri Constantine 1*, Algeria
6	Effect of Lithium and Cerium doping on Non-stoichiometric Nickel Oxide Thin Films	Fatma Pınar Gökdemir Choi, *Yildiz Technical University*, Turkey

16:00 – 16:20	Coffee Break

Session 4
16:20 – 18:00

GC-MAS – SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Basic Properties of double Perovskites (La0.25Bi0.75)2FeCrO6 by the FPLMTO-(GGA+U) Method	Melouka Bellil, *Mustapha Stambouli University of Mascara,* Algeria
2	Static Analysis of Fiber -Reinforced Polymer Composites	Seba Mohamed Rida, *University of Science and Technology Mohamed- Boudiaf El Mnaouar Oran,* Algeria
3	Modification and Characterization of a Bentonite by Iron Oxide, for Environmental Application	Benaissa Houssine, Nasrallah Noureddine, Abdi Abd El Razzak, *Polytechnical Military school,* Algeria
4	Using Rasch Model Analysis for Validity and Reliability Instrument: STEM Education Knowledge among Secondary School Mathematics Teachers	Noor Anita Rahman, Roslinda binti Rosli, Azmin Sham Rambely, *National University of Malaysia,* Malaysia
5	Teaching Probability Using Frankards: Analysis of its Effect on Students' Achievement and Attitude	Frankie Aspira Fran, *1. Romblon State University 2. University of the Philippines Open University,* Philippines

01/11/2020, Sunday
(Turkey Time, GMT+3)
SCIMATH, GC-MAS, COMENG

Session 1
09:00 – 11:00

COMENG

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Estimation of Iris Flower Species by ANN Methods using WEKA	A.Kadir Tepecik, Ersin Tanrikulu, *Yalova University*, Turkey
2	Evaluation of Time Performance of Artificial Bee Colony and Particle Swarm Optimization Algorithms	A.Kadir Tepecik, Engin Demir, *Yalova University*, Turkey
3	Extraction and Classification of Attributes by Image Processing from Mammogram Images	A.Kadir Tepecik, Husnu Yasar, *Yalova University*, Turkey
4	Forecasting Flight Delays with Regression Models and Cross Validation	Barış Özdiçle, *Istanbul Aydin University*, Turkey
5	Automatic Detection of Brain Tumor Regions on Magnetic Resonance Images	Gokalp Tulum, Mert Tezcan, Tuğrul Artuğ, *Istanbul Arel University*, Turkey
6	Performance Analysis by Running the Shortest Path Algorithms on the Grand Bazaar Graph	Hüseyin Yilmaz, Abdulkadir Tepecik, Müfit Cetin, *Yalova University*, Turkey

11:00 – 11:20	Coffee Break

Session 2
11:20 – 13:00

COMENG – SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Performance Comparison of Classification Algorithms Using the Bank Data Set	A.Kadir Tepecik, Sumeyye Tongel, *Yalova University*, Turkey
2	Tumor Tissue Detection and Cancer Diagnosis from Brain MRI Images via Data Mining	A.Kadir Tepecik, Husnu Yasar, Meltem Tuncer, *Yalova University*, Turkey
3	Determination of Secondary School 7th Grade Students' Views on Teaching the Subject of Polygons with Geogebra	Hafize Gamze Kirmizigül, Turkey
4	Teachers' Knowledge for Teaching Mathematics to Students with Learning Disabilities: A Systemati Literature Review	Aze Fauziah Suib, Roslinda Rosli, *The National University of Malaysia*, Malaysia
5	Teacher Professional Development on Science, Technology, Engineering and Mathematics: A Bibliometric Analysis	Nur Choiro Siregar, Roslinda Rosli, *The National University of Malaysia*, Malaysia

13:00 – 14:00	Lunch

Session 3
14:00 – 16:00

SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Improving Stem Skills with Water Games in Early Childhood Period	Emine Beğeçarslan, Turkey
2	Investigating the Science Teacher Candidates' Ability to Prepare Misconceptions Refutational Text	Fatma Şahin, Zübeyde Burçin Gürbey, Hatice Mertoğlu, *Marmara University*, Turkey
3	The Nominal Group Technique and The Questionnaire: The Diagnosis Methods for The Obstacles and Difficulties in Computer Sciences of Nursing Students	El Hassan El Hassouny, Rachid Janati-Idrissi, Mohammed Mostakim, Mohamed Laafou, Mourad Madrane, Fatiha Kaddari, Morocco
4	Investigation of Science Teacher Candidates' Diagnostic Question Preparation Skills: Seasons, Climate and Air Movements	Fatma Şahin, Sibel Adigüzel, Gözde Çalişkaner Nibat, *Marmara University*, Turkey
5	Students Reasoning About Concepts of Topology: The Case of Locally Finite Family of Closed Sets	Khalid Bouhjar, *American University of Malta*, Malta
6	The Influence of Concrete Pictorial Abstract Teaching Approach on Students' Concepts Understanding and Retention in Mathematics in Rwandan Lower Secondary Schools	Emmanuel Iyamuremye, Irenee Ndayambaje, *University of Rwanda College of Education*, Rwanda

Açıklamalı [TS1]:

16:00 – 16:20	Coffee Break

Session 4
16:20 – 18:00

SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Using Rasch Model Analysis for Validity and Reliability of STEMPCK Scale Instrument	Noor Anita Rahman, Roslinda Rosli, Azmin Sham Rambely, *The National University of Malaysia*, Malaysia
2	Climate Change: A Discourse of Our Contemporary World	Mucahit Coskun, Gbadebo Edward Gbadeyanka, *Karabuk University*, Turkey
3	MOOC Calculus is a Piece of Cake: The next frontier	Norazaliza Mohd Jamil, Muhammad Azrin Ahmad, Abdul Rahman Mohd Kasim, Norhafiza Md Sarif, Siti Fatimah Ahmad Zabidi, *Universiti Malaysia Pahang*, Malaysia
4	Preservice Mathematics Teachers' Mathematical Modelling Experience: A Case Study	Yasemin Sağlam Kaya, *Hacettepe University*, Turkey
5	Professional Development of Mathematics Teacher: A Systematic Literature Review	Roslinda Rosli, Mohd Fareed Aliwee, *The National University of Malaysia*, Malaysia

Session 5
18:00 – 20:00

SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Discerning the Intervening Roles of Students Mathematical Resilience and Academic Emotions between the Relationship of Home-School Ecological Structures and Achievement	Eddiebal Polistico Layco, *Don Honorio Ventura State University*, Philippines
2	An Interplay of Physical and Digital Tools in A Geometry Class	Giovanna Valori, *Universidad de Cordoba (ES)*, Italy
3	The Value of Knowing the Reason to Learn Numerical Methods	Marta Graciela Caligaris, Georgina Beatriz Rodríguez, Lorena Fernanda Laugero, Argentina
4	Investigation of Mathematical Modeling Skills of Middle School 7th and 8th Grade Students	Yunus Emre Ozulu, Meryem Özturan Sağirli, Turkey
5	Solving Inequalities Over the Field of Complex Numbers	Aslanbek Naziev, *Ryazan State University*, Russian Federation

TIME		HALL NAME
01.11.2020 20:00 – 20:20	**Closing Ceremony**	**1**