

Assoc. Prof. MÜSLÜM ARICI

Personal Information

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Education Information

Post Doctorate, Universidad De Zaragoza, Area De Mecanica De Fluidos, Spain 2016 - 2017

Post Doctorate, Universidad De Zaragoza, Area De Mecanica De Fluidos, Spain 2014 - 2014

Post Doctorate, National Academy Of Science Of Belarus, Luikov Heat And Mass Transfer Institute, Belarus 2012 - 2012

Doctorate, Kocaeli Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2004 - 2010

Post Graduate, Von Karman Institute, Environmental And Applied Fluid Dynamics Department, Belgium 2006 - 2007

Post Graduate, Kocaeli Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2000 - 2004

Under Graduate, Kocaeli Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1996 - 2000

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Hesaplamalı akışkanlar dinamiğinde konveksiyon terimlerinin ayrıklaştırılmasında karşılaştırmalar, Kocaeli Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2010

Post Graduate, Sabit hız alanında zamana bağlı üç boyutlu konveksiyon difüzyon denkleminin çözümü, Kocaeli Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2004

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Energy storage technologies, Solar energy, Advanced Energy Technologies, Thermodynamics, Heat and Mass Transfer, Computational fluid dynamics, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Kocaeli Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2017 - Continues

Assistant Professor, Universidad De Zaragoza, Area De Mecanica De Fluidos, 2014 - 2014

Research Assistant, Kocaeli Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2001 - 2010

Research Assistant, Von Karman Institute, Environmental And Applied Fluid Dynamics Department, 2006 - 2007

Professional Experience

Erasmus Coordinator, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2020 - Continues

Erasmus Coordinator, Kocaeli Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2014 - 2016

Courses

SAYISAL ÇÖZÜMLEME, Under Graduate, 2017 - 2018

ISI TRANSFERİ, Under Graduate, 2017 - 2018

ISİVE KÜTLE TRANSFERİ, Post Graduate, 2016 - 2017
SAYISAL İSİ GEÇİŞİ VE AKIŞ.MEK. I, Under Graduate, 2016 - 2017
AKIŞKANLAR MEKANİĞİ I, Under Graduate, 2016 - 2017

Advising Theses

ARICI M., Nanoakışkan bazlı soğutucu sıvı kullanılarak araba radyatörlerinin soğutma performansının iyileştirilmesi, Post Graduate, Ç.Kaptan(Student), 2018
ARICI M., Nanopartikül katkılı faz değiştiren malzemelerin erime ve katılaşmasının sayısal olarak incelenmesi, Post Graduate, E.Tütüncü(Student), 2017
ARICI M., Faz değiştiren malzemelerin farklı iklim bölgelerinde bulunan binalardaki enerji tasarrufu üzerindeki etkisinin sayısal olarak incelenmesi, Post Graduate, F.Bilgin(Student), 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Non-Newtonian nanofluid natural convection in a U-shaped cavity under magnetic field**
Ali F. H. , Hamzah H. K. , Egab K., Arıcı M., Shahsavar A.
International Journal of Mechanical Sciences, vol.186, 2020 (Journal Indexed in SCI Expanded)
- **Numerical investigation of natural convection behavior of molten PCM in an enclosure having rectangular and tree-like branching fins**
Yıldız Ç., Arıcı M., Nižetić S., Shahsavar A.
Energy, vol.207, 2020 (Journal Indexed in SCI Expanded)
- **Nano-enhanced phase change materials and fluids in energy applications: A review**
Nižetić S., Jurčević M., Arıcı M., Arasu A. V. , Xie G.
Renewable and Sustainable Energy Reviews, vol.129, 2020 (Journal Indexed in SCI)
- **Enhancement of PCM melting rate via internal fin and nanoparticles**
Arıcı M., Tütüncü E., Yıldız Ç., Li D.
International Journal of Heat and Mass Transfer, vol.156, 2020 (Journal Indexed in SCI)
- **Characterization investigation on pore-resistance relationship of oil contaminants in soil porous structure**
Yu P., Pengbo M., Hongkun C., Dong L., Arıcı M.
Journal of Petroleum Science and Engineering, vol.191, 2020 (Journal Indexed in SCI)
- **Synergy between the solution based on the Transversal Method Of Lines and the Leveque solution in the platform of the Graetz/Nusselt problem**
Campo A., Arıcı M., Macía Y. M.
International Communications in Heat and Mass Transfer, vol.116, 2020 (Journal Indexed in SCI Expanded)
- **Computation of spatio-temporal temperatures in simple bodies with thermal radiation cooling by means of the numerical method of lines (NMOL)**
Arıcı M., Campo A., Masip-Macia Y.
International Communications in Heat and Mass Transfer, vol.114, 2020 (Journal Indexed in SCI)
- **Semi-Analytical Solution of the Graetz Problem With Uniform Wall Heat Flux Utilizing the Transversal Method of Lines**
Campo A., Arıcı M.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, vol.142, 2020 (Journal Indexed in SCI)
- **Optical and thermal performance of glazing units containing PCM in buildings: A review**
Li D., Wu Y., Wang B., Liu C., Arıcı M.
Construction and Building Materials, vol.233, 2020 (Journal Indexed in SCI)
- **Thermal performance evaluation of glass window combining silica aerogels and phase change materials for cold climate of China**
Li D., Zhang C., Li Q., Liu C., Arıcı M., Wu Y.
APPLIED THERMAL ENGINEERING, vol.165, 2020 (Journal Indexed in SCI)
- **PCM integrated to external building walls: An optimization study on maximum activation of latent heat**

Arici M., Bilgin F., Nizetic S., Karabay H.

APPLIED THERMAL ENGINEERING, vol.165, 2020 (Journal Indexed in SCI)

- **Seasonal and annual performance analysis of PCM-integrated building brick under the climatic conditions of Marmara region**
Tuncbilek E., ARICI M., Bouadila S., Wonorahardjo S.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 2020 (Journal Indexed in SCI)
- **Seasonal thermal performance analysis of glazed window filled with paraffin including various nanoparticles**
Zhang G., Wang Z., Li D., Wu Y., ARICI M.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, 2020 (Journal Indexed in SCI)
- **FINITE-DIFFERENCE ANALYSIS OF THE GENERALIZED GRAETZ PROBLEM WITH HEAT CONVECTION BOUNDARY CONDITION**
ARICI M., Macia Y. M., Campo A.
HEAT TRANSFER RESEARCH, vol.51, pp.797-806, 2020 (Journal Indexed in SCI)
- **Analysis of heat conduction in a nanoscale metal oxide semiconductor field effect transistor using lattice Boltzmann method**
Zobiri O., Atia A., ARICI M.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020 (Journal Indexed in SCI Expanded)
- **Optical properties of paraffin suspension containing TiO₂ nanoparticles**
Qi H., Deng J., Li D., Wang F., ARICI M., Wang Q.
Optik, 2020 (Journal Indexed in SCI)
- **Experimental investigation of thermal comfort and CO₂ concentration in mosques: A case study in warm temperate climate of Yalova, Turkey**
Yuksel A., ARICI M., Krajcik M., KARABAY H.
SUSTAINABLE CITIES AND SOCIETY, vol.52, 2020 (Journal Indexed in SCI)
- **Natural convection of nanofluid in a U-shaped enclosure emphasizing on the effect of cold rib dimensions**
YILDIZ Ç., ARICI M., KARABAY H., Bennacer R.
Journal of Thermal Analysis and Calorimetry, 2020 (Journal Indexed in SCI)
- **A numerical model to investigate non-gray photothermal characteristics of paraffin-containing glazed windows**
Li D., Wang B., Li Q., Liu C., Ancı M., Wu Y.
SOLAR ENERGY, vol.194, pp.225-238, 2019 (Journal Indexed in SCI)
- **Semi-analytical, piecewise temperature-time distributions in solid bodies of regular shape affected by uniform surface heat flux employing the Method Of Lines (MOL) and the eigenvalue method**
Campo A., ARICI M.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.108, 2019 (Journal Indexed in SCI)
- **Comparison of a theoretical and experimental thermal conductivity model on the heat transfer performance of Al₂O₃-SiO₂/water hybrid-nanofluid**
Yıldız Ç., Arıcı M., Karabay H.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.140, pp.598-605, 2019 (Journal Indexed in SCI)
- **Experimental investigation of optical properties of oily sewage with different pH environment**
Qi H., Zhang Y., Wang Q., Wang F., Hussein A. K., Arıcı M., Li D.
Optik, vol.183, pp.338-345, 2019 (Journal Indexed in SCI)
- **Comparison of transmittance and reflection methods for solving optical constants of optical glass**
Hu X., Xu T., Zhou L., Wang Q., Arıcı M., Li D.
Optik, vol.183, pp.924-932, 2019 (Journal Indexed in SCI)
- **Solar plant with short diffuser concept: Further improvement of numerical model by included influence of guide vane topology on shape and stability of gravitational vortex**
PENG Z., NIZETIC S., ARICI M.
JOURNAL OF CLEANER PRODUCTION, vol.212, pp.353-361, 2019 (Journal Indexed in SCI)
- **Analysis of fluid flow and heat transfer characteristics in multiple glazing roofs with a special emphasis**

on the thermal performance

TÜKEL M., MUMCUOĞLU K., ARICI M., KARABAY H.

APPLIED THERMAL ENGINEERING, vol.148, pp.694-703, 2019 (Journal Indexed in SCI)

- **A novel optical method for component content measurement of multivariate mixture**
Hu X., Wang Q., Lv Y., Wang Z., Arıcı M., Li D.
Optik, vol.180, pp.799-806, 2019 (Journal Indexed in SCI)
- **Using pellet fuels for residential heating: A field study on its efficiency and the user's satisfaction**
SANDRO N., Agis P., GOJMIR R., VLASTA Z., Muslum A.
ENERGY AND BUILDINGS, vol.184, pp.193-204, 2019 (Journal Indexed in SCI)
- **Analysis of influencing factors of the component analysis method for multivariate mixture**
Hu X., Lv Y., Zhou L., Wang Q., Arıcı M., Li D.
Optik, vol.183, pp.854-862, 2019 (Journal Indexed in SCI)
- **Experimental investigation of thermal radiative properties of Al₂O₃-paraffin nanofluid**
WANG Q., WEI W., LÍ D., QI H., WANG F., ARICI M.
SOLAR ENERGY, vol.177, pp.420-426, 2019 (Journal Indexed in SCI)
- **Thermal performance of non-ventilated multilayer glazing facades filled with phase change material**
Liu C., Zhang G., ARICI M., Bian J., Li D.
SOLAR ENERGY, vol.177, pp.464-470, 2019 (Journal Indexed in SCI)
- **Effect of inclination angle on natural convection of nanofluids in a U-shaped cavity**
Yıldız Ç., Arıcı M., Karabay H.
International Journal of Environmental Science and Technology, 2019 (Journal Indexed in SCI)
- **Numerical investigation of thermal and optical performance of window units filled with nanoparticle enhanced PCM**
LÍ D., WU Y., LÍU C., ZHANG G., ARICI M.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.125, pp.1321-1332, 2018 (Journal Indexed in SCI)
- **Energy investigation of glazed windows containing Nano-PCM in different seasons**
LÍ D., WU Y., LÍU C., ZHANG G., ARICI M.
ENERGY CONVERSION AND MANAGEMENT, vol.172, pp.119-128, 2018 (Journal Indexed in SCI)
- **Influence of glazed roof containing phase change material on indoor thermal environment and energy consumption**
LÍ D., WU Y., ZHANG G., ARICI M., LÍU C., WANG F.
APPLIED ENERGY, vol.222, pp.343-350, 2018 (Journal Indexed in SCI)
- **Phase change material based cooling of photovoltaic panel: A simplified numerical model for the optimization of the phase change material layer and general economic evaluation**
ARICI M., BİLGİN F., NIZETIC S., Papadopoulos A. M.
JOURNAL OF CLEANER PRODUCTION, vol.189, pp.738-745, 2018 (Journal Indexed in SCI)
- **Investigation on the melting process of phase change material in a square cavity with a single fin attached at the center of the heated wall?**
Arıcı M., Tutuncu E., Karabay H., Campo A.
EPJ Applied Physics, vol.83, 2018 (Journal Indexed in SCI)
- **Investigation of pork fat as potential novel phase change material for passive cooling applications in photovoltaics**
NIZETIC S., ARICI M., BİLGİN F., GRUBISIC-CABO F.
JOURNAL OF CLEANER PRODUCTION, vol.170, pp.1006-1016, 2018 (Journal Indexed in SCI)
- **NUMERICAL INVESTIGATION OF MELTING OF PARAFFIN WAX DISPERSED WITH CuO NANOPARTICLES INSIDE A SQUARE ENCLOSURE**
ARICI M., TUTUNCU E., Campo A.
HEAT TRANSFER RESEARCH, vol.49, pp.847-863, 2018 (Journal Indexed in SCI)
- **Contribution to the research of an alternative energy concept for carbon free electricity production: Concept of solar power plant with short diffuser**
NIZETIC S., PENG Z., ARICI M.
ENERGY CONVERSION AND MANAGEMENT, vol.148, pp.533-553, 2017 (Journal Indexed in SCI)

- **Effect of phase change materials on time lag, decrement factor and heat-saving**
Bilgin F., Arici M.
Acta Physica Polonica A, vol.132, pp.1102-1105, 2017 (Journal Indexed in SCI)
- **NATURAL CONVECTION OF NANOFUIDS IN AN INCLINED SQUARE CAVITY WITH SIDE WAVY WALLS**
OGUT E., AKYOL M., ARICI M.
ISI BILIM VE TEKNIGI DERGIS-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.37, pp.139-149, 2017 (Journal Indexed in SCI)
- **Melting of nanoparticle-enhanced paraffin wax in a rectangular enclosure with partially active walls**
Arici M., Tutuncu E., Kan M., Karabay H.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.104, pp.7-17, 2017 (Journal Indexed in SCI)
- **Investigation of heat insulation performance of hollow clay bricks filled with perlite**
Arici M., Yilmaz B., Karabay H.
Acta Physica Polonica A, vol.130, pp.266-268, 2016 (Journal Indexed in SCI)
- **An accurate discretization for an inhomogeneous transport equation with arbitrary coefficients and source**
PASCAU A., ARICI M.
COMPUTERS & FLUIDS, vol.125, pp.101-115, 2016 (Journal Indexed in SCI)
- **Thermal analysis of bipolar microelectronic devices**
AYDEMIR M., ARICI M., KARABAY H.
HIGH TEMPERATURES-HIGH PRESSURES, vol.45, pp.155-161, 2016 (Journal Indexed in SCI)
- **An investigation of flow and conjugate heat transfer in multiple pane windows with respect to gap width, emissivity and gas filling**
ARICI M., KAN M.
RENEWABLE ENERGY, vol.75, pp.249-256, 2015 (Journal Indexed in SCI)
- **Effect of aspect ratio on natural convection in a cavity with wavy walls**
Arici M., Kan M., Karabay H.
Acta Physica Polonica A, vol.128, pp.197-200, 2015 (Journal Indexed in SCI)
- **Flow and heat transfer in double, triple and quadruple pane windows**
ARICI M., KARABAY H., KAN M.
ENERGY AND BUILDINGS, vol.86, pp.394-402, 2015 (Journal Indexed in SCI)
- **A numerical investigation of fluid flow and heat transfer inside a room for floor heating and wall heating systems**
KARABAY H., ARICI M., SANDIK M.
ENERGY AND BUILDINGS, vol.67, pp.471-478, 2013 (Journal Indexed in SCI)
- **Multiple pane window applications in various climatic regions of Turkey**
KARABAY H., ARICI M.
ENERGY AND BUILDINGS, vol.45, pp.67-71, 2012 (Journal Indexed in SCI)
- **Determination of optimum thickness of double-glazed windows for the climatic regions of Turkey**
Arici M., Karabay H.
ENERGY AND BUILDINGS, vol.42, pp.1773-1778, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- **A block encryption algorithm based on exponentiation transform**
Kapalova N., Khompysh A., ARICI M., Algazy K.
COGENT ENGINEERING, vol.7, 2020 (Journal Indexed in ESCI)
- **Limitations of the lumped model for in-tube laminar forced convection interacting with cross forced convection flows**
Campo A., MACIA Y. M. , ARICI M.
HEAT TRANSFER-ASIAN RESEARCH, vol.48, pp.1032-1043, 2019 (Journal Indexed in ESCI)
- **Numerical analysis of unsteady heat conduction in regular solid bodies comprising natural convection to nearby fluids**
Campo A., ARICI M.

HEAT TRANSFER-ASIAN RESEARCH, vol.47, pp.887-906, 2018 (Journal Indexed in ESCI)

- **Mixed convection heat transfer of nanofluids in a trapezoidal cavity having an adiabatic square body at its center**

Arıcı M., Kaptan Ç., Karabay H.

Research on Engineering Structures and Materials, vol.28, pp.359-366, 2017 (Refereed Journals of Other Institutions)

- **Bölmeli bir Kare Kapalı Ortam İçindeki Nanoakışkanın Doğal Konveksiyonla Isı transferinin Sayısal Olarak İncelenmesi**

Akçaoğlu E., Arıcı M., Öğüt E.

Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.5, pp.359-366, 2012 (National Refreed University Journal)

- **Kapalı Yüzme Havuzlarının Nem Kontrolü ve Ekonomik Olarak İklimlendirilmesi**

Arıcı M., Seçilmiş M.

Tesisat Mühendisliği, pp.7-18, 2007 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Investigation of Effect of Window-to-Wall Ratio on the Indoor Air Temperature by Lumped Capacitance Approach**

Yuksel A., ARICI M., KARABAY H.

4th International Conference on Smart and Sustainable Technologies (SpliTech), Croatia, 18 - 21 June 2019, pp.414-419

- **DAILY SOLAR RADIATION DATA ASSESSMENT WITH CUBIC SPLINE INTERPOLATION**

ÖZKUM G., ARICI M., SONDAŞ A.

IV. INES International Academic Research Congress (INES - 2018), Alanya, Turkey, 30 October - 03 November 2018

- **Prediction of Optimum Cooling Performance Improvement for Car Radiator Applications**

KAPTAN Ç., ARICI M., BAYNAL K., KARABAY H.

International Conference on Progresses in Automotive Technologies, 10-12 May 2018, Istanbul, Turkey, 10 - 12 Mayıs 2018

- **Numerical Investigation of the Integration of Phase Change Material on Solar Domestic Hot Water System**

ŞİŞMAN S., ARICI M., SEÇİLMİŞ M., KARABAY H.

8th International 100 Renewable Energy Conference, 7-9 May 2018, Istanbul, Turkey, 07 Mayıs 2018 - 09 Mayıs 2019

- **Influence of guide vane topology on the shape and stability of gravitational vortex**

Nizetic S., Penga Z., ARICI M.

3rd International Conference on Smart and Sustainable Technologies (SpliTech), Split, Croatia, 26 - 29 June 2018, pp.255-260

- **Üç Dalgalı Duvara Sahip Eğik Kapalı Kavite İçerisinde Bulunan Cu-Su Bazlı Nanoakışkanın Doğal Konveksiyonla Isı Transferi**

ÖĞÜT E., AKYOL m., ARICI M.

21.Ulusal Isı Bilimi ve Tekniği Kongresi, Turkey, 13 - 16 September 2017

- **A NUMERICAL INVESTIGATION ON THERMAL CONDUCTIVITY OF SILICONE NITRATE SILICONE RUBBER COMPOSITE**

BİLGİN F., ARICI M., BORA M. Ö. , ÇOBAN O.

IMSP'2016 16th International Materials Symposium, 12 - 14 Ekim 2016, pp.79-86

- **Natural Convection of Nanofluids in a Cavity with One Side Wavy Wall**

ÖĞÜT E., ARICI M., akyol m.

Proceedings of the 7th International Ege Energy Symposium and Exhibition, 18 - 20 Haziran 2014

- **Numerical Simulation of Mixed Convection of Nanofluids in a Square Cavity with an Adiabatic Block in the Center**

ARICI M., ÖĞÜT E., kaptan ç.

International Conference on Thermophysical and Mechanical Properties of Advanced Materials 3rd Rostocker

Symposium on Thermophysical Properties for Technical Thermodynamics, (THERMAM 2014), 12 - 15 Haziran 2014

- **PERFORMANCE AND EMISSIONS OF A MICRO-TURBINE FUELED WITH JP8-CANOLA BIODIESEL MIXTURES**

DÜLGER Z., ASLAN S., ARICI M., CATORI C., KARABAY H., POLAT N., AKSIT I. M. , SARAÇ H. İ. , GOKALP B. ASME Turbo Expo: Turbine Technical Conference and Exposition, Düsseldorf, Germany, 16 - 20 June 2014

- **Performance Comparison of High Resolution Schemes**

ARICI M., Onur H. S.

6th International Conference on Computational Fluid Dynamics (ICCFD), St Petersburg, Russia, 12 - 16 July 2010, pp.527-533

- **Kapalı Yüzme Havuzlarının Nem Kontrolü ve Ekonomik Olarak İklimlendirilmesi**

ARICI M., SEÇİLMİŞ M.

VII. Ulusal Tesisat Mühendisliği Kongresi, TESKON- 2005, İzmir, Turkey, 23 - 26 Kasım 2005, vol.1, pp.477-492

Supported Projects

ARICI M., Project Supported by Higher Education Institutions, CAMİLERDE ISTMA, SOĞUTMA VE HAVALANDIRMA AMAÇLI KULLANILAN ENERJİ SARFIYATININ CAMİLERDEKİ ISIL KONFORUN İNCELENMESİ, 2015 - 2016

ARICI M., KARABAY H., Industrial Thesis Project, Ev tipi buzdolabı dondurucu bölmesinde homojen sıcaklık dağılımı sağlayacak hava yönlendirici tasarımı, 2014 - 2015

Scientific Refereeing

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, August 2020

APPLIED THERMAL ENGINEERING, Journal Indexed in SCIE, July 2020

6th International Conference on Low Carbon Asia & Beyond (ICLCA20), Conference Paper (Full Text), July 2020

JOURNAL OF NON-EQUILIBRIUM THERMODYNAMICS, Journal Indexed in SCIE, July 2020

JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCIE, July 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, July 2020

SpliTech 2020, Conference Paper (Full Text), July 2020

SpliTech 2020, Conference Paper (Full Text), July 2020

SpliTech 2020, Conference Paper (Full Text), July 2020

SpliTech 2020, Conference Paper (Full Text), July 2020

SpliTech 2020, Conference Paper (Full Text), July 2020

Journal of Applied and Computational Mechanics, Journal Indexed in ESCI, July 2020

ENERGY AND BUILDINGS, Journal Indexed in SCIE, July 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), July 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, July 2020

SpliTech 2020, Conference Paper (Full Text), July 2020

SpliTech 2020, Conference Paper (Full Text), July 2020

APPLIED THERMAL ENGINEERING, Journal Indexed in SCIE, July 2020

SN Applied Sciences, Journal Indexed in ESCI, July 2020

ENERGY, Journal Indexed in SCIE, July 2020

DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, July 2020

6th International Conference on Low Carbon Asia & Beyond (ICLCA20), Conference Paper (Full Text), July 2020

6th International Conference on Low Carbon Asia & Beyond (ICLCA20), Conference Paper (Full Text), July 2020

International Journal of Energy and Water Resources, Other Indexed Journal, July 2020

JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCIE, July 2020

Journal of Engineering and Technological Sciences, Other Indexed Journal, July 2020

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, Journal Indexed in SCIE, July 2020

APPLIED ENERGY, Journal Indexed in SCIE, July 2020

5th International Conference On New Energy And Future Energy Systems (NEFES 2020), Conference Paper (Full Text), July 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, July 2020

APPLIED ENERGY, Journal Indexed in SCIE, July 2020

APPLIED THERMAL ENGINEERING, Journal Indexed in SCIE, July 2020

ENERGY, Journal Indexed in SCIE, June 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, June 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, June 2020

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, Journal Indexed in SCIE, June 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, June 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, June 2020

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, Journal Indexed in SCIE, June 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), June 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), June 2020

APPLIED ENERGY, Journal Indexed in SCIE, June 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, June 2020

INTERNATIONAL JOURNAL OF PHOTOENERGY, Journal Indexed in SCIE, June 2020

SCIENTIA IRANICA, Journal Indexed in SCIE, June 2020

APPLIED ENERGY, Journal Indexed in SCIE, June 2020

ENERGY, Journal Indexed in SCIE, June 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, June 2020

The 5th International Conference On New Energy And Future Energy Systems (NEFES 2020), Conference Paper (Full Text), June 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, June 2020

ENERGY, Journal Indexed in SCIE, June 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), June 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), June 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), June 2020

The 5th International Conference On New Energy And Future Energy Systems (NEFES 2020), Conference Paper (Full Text), May 2020

TEHNICKI VJESNIK-TECHNICAL GAZETTE, Journal Indexed in SCIE, May 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, May 2020

APPLIED ENERGY, Journal Indexed in SCIE, May 2020

ENERGY, Journal Indexed in SCIE, May 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), May 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), May 2020

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, Journal Indexed in SCIE, May 2020

Energy Storage, Other Indexed Journal, May 2020

Thermal Science and Engineering Progress, Other Indexed Journal, May 2020

Pamukkale Universitesi Muhendislik Bilimleri Dergisi, Other Indexed Journal, May 2020

Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, May 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, May 2020

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, Journal Indexed in SCIE, May 2020

6th International Conference on Low Carbon Asia & Beyond (ICLCA20), Conference Paper (Full Text), May 2020

INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCIE, May 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, May 2020

BUILDING AND ENVIRONMENT, Journal Indexed in SCIE, May 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), May 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), May 2020

SN Applied Sciences, Journal Indexed in ESCI, May 2020

APPLIED ENERGY, Journal Indexed in SCIE, May 2020

APPLIED ENERGY, Journal Indexed in SCIE, May 2020

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Journal Indexed in SCIE, May 2020

APPLIED ENERGY, Journal Indexed in SCIE, May 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, May 2020

APPLIED ENERGY, Journal Indexed in SCIE, April 2020

ENERGY, Journal Indexed in SCIE, April 2020

SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCIE, April 2020

SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCIE, April 2020

Case Studies in Construction Materials, Journal Indexed in ESCI, April 2020

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Journal Indexed in SCIE, April 2020

ENERGY AND BUILDINGS, Journal Indexed in SCIE, April 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, April 2020

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCIE, April 2020

Fluid Dynamics & Materials Processing, Journal Indexed in ESCI, April 2020

APPLIED ENERGY, Journal Indexed in SCIE, April 2020

Current Alternative Energy, Other Indexed Journal, April 2020

SpliTech 2020, Conference Paper (Full Text), April 2020

SpliTech 2020, Conference Paper (Full Text), April 2020

WEG 2020, Conference Paper (Full Text), April 2020

Defect and Diffusion Forum, Other Indexed Journal, April 2020

Defect and Diffusion Forum, Other Indexed Journal, April 2020

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ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, April 2020

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INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, Journal Indexed in SCIE, April 2020

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JOURNAL OF ENERGY ENGINEERING-ASCE, Journal Indexed in SCIE, April 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, April 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, April 2020

The 5th International Conference on New Energy and Future Energy Systems (NEFES 2020), Conference Paper (Full Text), April 2020

The 5th International Conference On New Energy And Future Energy Systems (NEFES 2020), Conference Paper (Full Text), April 2020

CONSTRUCTION AND BUILDING MATERIALS, Journal Indexed in SCIE, April 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), April 2020

2nd International Conference on Computer Modeling, Simulation and Algorithm (CMSA2020), Conference Paper (Full Text), April 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, April 2020

SN Applied Sciences, Journal Indexed in ESCI, April 2020

APPLIED ENERGY, Journal Indexed in SCIE, March 2020

APPLIED ENERGY, Journal Indexed in SCIE, March 2020

JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCIE, March 2020

HEAT TRANSFER RESEARCH, Journal Indexed in SCIE, March 2020

SCIENCE CHINA-TECHNOLOGICAL SCIENCES, Journal Indexed in SCIE, March 2020

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Journal Indexed in SCIE, March 2020

Pamukkale University Journal of Engineering Sciences, Other Indexed Journal, March 2020

International Journal of Sustainable Energy, Journal Indexed in ESCI, March 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, March 2020

APPLIED ENERGY, Journal Indexed in SCIE, March 2020

SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCIE, March 2020

SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCIE, March 2020

ENERGY, Journal Indexed in SCIE, March 2020

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, Journal Indexed in SCIE, March 2020

Journal of Polytechnic, Journal Indexed in ESCI, March 2020

ENERGY, Journal Indexed in SCIE, March 2020

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, Journal Indexed in SCIE, February 2020

International Journal of Computational and Experimental Science and Engineering, Other Indexed Journal, February 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, February 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, February 2020

ENERGY, Journal Indexed in SCIE, February 2020

APPLIED ENERGY, Journal Indexed in SCIE, February 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, February 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, February 2020

ISIBILIMIVE TEKNIGI DERGIS-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCIE, February 2020

Journal of Thermal Engineering, Journal Indexed in ESCI, February 2020

JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCIE, February 2020

APPLIED ENERGY, Journal Indexed in SCIE, February 2020
GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, February 2020
Defect and Diffusion Forum, Other Indexed Journal, February 2020
ENERGY, Journal Indexed in SCIE, February 2020
SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCIE, February 2020
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, February 2020
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Journal Indexed in SCIE, February 2020
APPLIED THERMAL ENGINEERING, Journal Indexed in SCIE, February 2020
Journal of Thermal Engineering, Journal Indexed in ESCI, February 2020
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, February 2020
SN Applied Sciences, Journal Indexed in ESCI, January 2020
JOURNAL OF CLEANER PRODUCTION, SCI Journal, January 2020
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCIE, January 2020
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Journal Indexed in SCIE, January 2020
ENERGY, Journal Indexed in SCIE, January 2020
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCIE, January 2020
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCIE, January 2020
Case Studies in Construction Materials, Journal Indexed in ESCI, January 2020
BUILDING AND ENVIRONMENT, Journal Indexed in SCIE, January 2020
International Journal of Sustainable Energy, Journal Indexed in ESCI, December 2019
Current Alternative Energy, Other Indexed Journal, December 2019
APPLIED THERMAL ENGINEERING, SCI Journal, December 2019
POWDER TECHNOLOGY, Journal Indexed in SCIE, December 2019
CFD Letters, Other Indexed Journal, December 2019
SOLAR ENERGY, National Scientific Refreed Journal, December 2019
SN Applied Sciences, Journal Indexed in ESCI, December 2019
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Journal Indexed in SCIE, December 2019
BUILDING SIMULATION, Journal Indexed in SCIE, December 2019
APPLIED ENERGY, Journal Indexed in SCIE, December 2019
SN Applied Sciences, Journal Indexed in ESCI, November 2019
Energy Engineering and Environmental Protection (EEEP2019), November 19-21, 2019, Xiamen, China, Conference Paper (Full Text), November 2019
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, SCI Journal, November 2019
SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCIE, November 2019
APPLIED ENERGY, SCI Journal, November 2019
ENERGY, SCI Journal, November 2019
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JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, SCI Journal, November 2019
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, SCI Journal, November 2019
International Journal of Energy and Water Resources, Other Indexed Journal, November 2019
APPLIED ENERGY, SCI Journal, November 2019
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCIE, November 2019
SN Applied Sciences, Journal Indexed in ESCI, October 2019
APPLIED ENERGY, SCI Journal, October 2019
POWDER TECHNOLOGY, SCI Journal, October 2019
JOURNAL OF BUILDING ENGINEERING, Journal Indexed in SCIE, October 2019
Current Alternative Energy, Other Indexed Journal, October 2019

APPLIED ENERGY, SCI Journal, October 2019
APPLIED ENERGY, SCI Journal, October 2019
APPLIED ENERGY, SCI Journal, October 2019
ENERGY, SCI Journal, September 2019
APPLIED THERMAL ENGINEERING, SCI Journal, September 2019
APPLIED ENERGY, SCI Journal, September 2019
SN Applied Sciences, Journal Indexed in ESCI, September 2019
Multidiscipline Modeling in Materials and Structures, Journal Indexed in ESCI, September 2019
Cogent Engineering, Journal Indexed in ESCI, September 2019
Current Alternative Energy, Other Indexed Journal, September 2019
V.ENERJİ VERİMLİLİĞİ KONGRESİ, Conference Paper (Full Text), September 2019
V.ENERJİ VERİMLİLİĞİ KONGRESİ, Conference Paper (Full Text), September 2019
V.ENERJİ VERİMLİLİĞİ KONGRESİ, Conference Paper (Full Text), September 2019
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, August 2019
SN Applied Sciences, Journal Indexed in ESCI, August 2019
Journal of Applied and Computational Mechanics, Journal Indexed in ESCI, August 2019
ENERGY, SCI Journal, August 2019
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, SCI Journal, August 2019
ENERGY, SCI Journal, August 2019
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, SCI Journal, August 2019
SN Applied Sciences, Journal Indexed in ESCI, August 2019
SN Applied Sciences, Journal Indexed in ESCI, August 2019
APPLIED ENERGY, SCI Journal, August 2019
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCIE, August 2019
SN Applied Sciences, Journal Indexed in ESCI, August 2019
APPLIED ENERGY, SCI Journal, July 2019
International Journal of Energy and Water Resources, Other Indexed Journal, July 2019
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, July 2019
ENERGY, SCI Journal, July 2019
Journal of Applied and Computational Mechanics, Other Indexed Journal, July 2019
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, SCI Journal, July 2019
Periodica Polytechnica Mechanical Engineering , Other Indexed Journal, July 2019
SN Applied Sciences, Journal Indexed in ESCI, July 2019
JOURNAL OF ENERGY ENGINEERING-ASCE, SCI Journal, July 2019
Journal of Architectural Environment & Structural Engineering Research, Other Indexed Journal, July 2019
SN Applied Sciences, Journal Indexed in ESCI, July 2019
ENERGY, SCI Journal, June 2019
ENERGY, SCI Journal, June 2019
Journal of Cleaner Production, SCI Journal, June 2019
Journal of Architectural Environment & Structural Engineering Research, Other Indexed Journal, June 2019
International Journal of Energy and Water Resources, Other Indexed Journal, June 2019
International Journal of Heat and Mass Transfer, SCI Journal, June 2019
Sustainable Cities and Society, SCI Journal, June 2019
Case Studies in Construction Materials , Other Indexed Journal, June 2019
ENERGY, SCI Journal, June 2019
International Journal of Energy and Water Resources, Other Indexed Journal, June 2019
Journal of Taibah University for Science, SCI Journal, June 2019
International Journal of Environmental Science and Technology, SCI Journal, May 2019
International Journal of Environmental Science and Technology, SCI Journal, May 2019
Simulation: Transactions of the Society for Modeling and Simulation International, SCI Journal, May 2019
Energy, SCI Journal, May 2019
PAJES, Other Indexed Journal, May 2019

International Journal of Energy and Water Resources, Other Indexed Journal, May 2019
Applied Energy, SCI Journal, May 2019
International Journal of Energy Research, SCI Journal, May 2019
Energy Conversion and Management, SCI Journal, May 2019
Energy, SCI Journal, May 2019
Energy, SCI Journal, April 2019
Splitech2019, Other journals, April 2019
Applied Energy, SCI Journal, April 2019
Thermochimica Acta, SCI Journal, April 2019
International Journal of Energy and Water Resources, Other Indexed Journal, April 2019
Heat Transfer - Asian Research, Other Indexed Journal, April 2019
Splitech2019, Other journals, April 2019
Journal of Thermal Engineering, Other Indexed Journal, April 2019
Splitech2019, Other journals, April 2019
SpliTech2019, Other journals, April 2019
SN Applied Sciences, Journal Indexed in AHCI, March 2019
Case Studies in Construction Materials, Journal Indexed in AHCI, March 2019
Applied Energy, SCI Journal, March 2019
International Journal of Energy Research, SCI Journal, March 2019
Applied Energy, SCI Journal, March 2019
Current Alternative Energy, Journal Indexed in AHCI, March 2019
Energy, SCI Journal, March 2019
Sustainable Cities and Society, SCI Journal, March 2019
International Journal of Computational and Experimental Science and Engineering, Other Indexed Journal, March 2019
Construction & Building Materials, SCI Journal, March 2019
International Journal of Environmental Science and Technology, SCI Journal, March 2019
CLIMA2019, Other journals, February 2019
CLIMA2019, Other journals, February 2019
Indoor and Built Environment, SCI Journal, February 2019
Building Simulation, SCI Journal, February 2019
Journal of Taibah University for Science, SCI Journal, February 2019
Energy, SCI Journal, February 2019
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Applied Energy, SCI Journal, February 2019
CLIMA2019, Other journals, February 2019
PAJES, Journal Indexed in AHCI, February 2019
International Journal of Energy and Water Resources, Journal Indexed in AHCI, February 2019
CLIMA2019, Other journals, February 2019
Applied Energy, SCI Journal, February 2019
Case Studies in Thermal Engineering, Journal Indexed in AHCI, January 2019
International Journal of Energy Research, SCI Journal, January 2019
ICPMS2019, Other journals, January 2019
International Journal of Environmental Science and Technology, SCI Journal, January 2019

Invited Congress and Symposium Activities

International Conference on Materials, Energy & Environment , Working Group, El Oued, Algeria, 2020 - 2020
IV - International scientific conference «Computer science and Applied Mathematics», Working Group, Almati, Kazakhstan, 2019 - 2019
3rd International Conference on Smart and Sustainable Technologies (SpliTech), Working Group, Split, Croatia, 2018 - 2018

Citations

Total Citations (WOS):403

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Invited Talks

Enhancement of Thermal Performance of Buildings by Incorporating PCM, Conference, International Conference on Materials, Energy & Environment , Algeria, January 2020

IV - International scientific conference «Computer science and Applied Mathematics», Conference, Al-Farabi Devlet Üniversitesi, Kazakhstan, September 2019

CFD Analysis of Melting Process in an Enclosure: Effect of Fin and Nanoparticle on the Melting Rate, Conference, 3rd International Conference on Smart and Sustainable Technologies (SpliTech), Croatia, June 2018