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Anne-Kristin Wohlbier, CEO



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Anne-Kristin Wohlbier, CEO
Christian Wohlbier
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27th Concrete Days

Selected, peer-reviewed papers from the 27th International Conference Concrete Days 2020, December 2nd, 2020, Prague, Czech Republic

Edited by: Šárka Nenadálková and Petra Johová

Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Manufacturing, Materials Science, Mechanics

Keywords: Additive, Beam, Composite, Composite Bed, Concrete, Concrete Column, Defectoscopy, Fiber Reinforced Concrete, Flat Slab, Fracture Test, Inspection, Mechanical Properties, Modeling, Numerical Research, Shear Resistance, Structural Elements

Prices: Print: **US\$ 220.00/ EUR 220.00**
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Print: 978-3-0357-1821-8
eBook: 978-3-0357-3821-6
232 pages, 2021

<https://www.scientific.net/978-3-0357-1821-8/book>



Actual Challenges in Materials Science and Processing Technologies II

Special topic volume with invited peer-reviewed papers only

Edited by: Oleg Bazaluk, Gennadiy Pivnyak, Roman Dychkovskiy, Vasyl Lozynskiy, Pavlo Saik and Dar'ya Pilova

Special Topic

Topics: Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Carbon, Carbonaceous Material, Ceramics, Coal, Composite, Corrosion, Fiber, Gasification, Mechanical Properties, Polymer, Processing Technology, Sintering, Steel, Synthesis

Prices: Print: **US\$ 253.00/ EUR 253.00**
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eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1883-6
eBook: 978-3-0357-3883-4
258 pages, 2021

<https://www.scientific.net/978-3-0357-1883-6/book>



Advanced Engineering Forum Vol. 39

Edited by: Dumitru Nedelcu and Mikkel K. Kragh

Journal Volume

Topics: Building Materials, Construction, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Additive Manufacturing, Aging, Alloy, Biochar, Biomass Pyrolysis, Ductile Cast Iron, Dye-Sensitized Solar Cell, Earth Block, Heat Treatment, Mechanical Properties, Microstructure, Molybdenum Oxide, Natural Dye, Post Processing, Pre-Stressed Concrete Ties, Pyrolytic Oil, Reinforce Concrete, Seismic Performance, Thin Film, Tribology, Varistor Ceramics, Zinc Oxide

Prices: Print: **US\$ 134.00/ EUR 134.00**
eBook Single-User: **US\$ 176.00/ EUR 176.00**
eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1419-7
eBook: 978-3-0357-3419-5
134 pages, 2021

<https://www.scientific.net/978-3-0357-1419-7/book>



Advanced Engineering Forum Vol. 40

Edited by: Dumitru Nedelcu and Mikkel K. Kragh

Journal Volume

Topics: Building Materials, Civil Engineering, General Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Aluminum Alloy, Carbon Nanofiber, Composite, Designing, Electrospinning, Friction Stir Welding, Modeling, Optimal Power Generation, Polymer, Predictive Control, Recycled Concrete, Shredding Machine, Viscous Fluid Flow, Wind Turbine

Prices: Print: **US\$ 106.00/ EUR 106.00**
eBook Single-User: **US\$ 121.00/ EUR 121.00**
eBook Multi-User: **US\$ 212.00/ EUR 212.00**

Print: 978-3-0357-1730-3
eBook: 978-3-0357-2353-3
106 pages, 2021

<https://www.scientific.net/978-3-0357-1730-3/book>



Advanced Engineering Forum Vol. 41

Edited by: Dumitru Nedelcu and Mikkel K. Kragh

Journal Volume

Topics: Bioscience and Medicine, Building Materials, Construction, Electronics, Environmental Engineering, General Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Coating, Composite, Concrete Member, Converter, Coordinate Measuring Machine, Crack, Distributed Power System, Fine Bubble Generator, Fine Bubble Oxygen Treatment, Flatness Error, Hot Corrosion, Hydroponic, Leachate Treatment, Mechanical Properties, Micro Grid, Nanofiber, Polymer, Polymer Composite, Power Control, Renewable Energy, Solution Blow Spinning

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 eBook Multi-User: **US\$ 270.00/ EUR 270.00** 144 pages, 2021

<https://www.scientific.net/978-3-0357-2730-2/book>



Advanced Engineering Forum Vol. 42

Edited by: Mihai Demian, Claudiu Nicolicescu and Dr. Marius Catalin Criveanu

Journal Volume

Topics: Civil Engineering, Construction, Environmental Engineering, General Engineering, Industrial Engineering, Mechanical Engineering

Keywords: Alloy, Anti-Vibration Isolation, Composite, Critical Load, Diesel Engine, Heat Treatment, Mechanical Engineering, Polymer, Steel

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-2780-7
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3847-6
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 230 pages, 2021

<https://www.scientific.net/978-3-0357-2780-7/book>



Advanced Engineering Forum Vol. 43

Edited by: Dumitru Nedelcu and Mikkel K. Kragh

Journal Volume

Topics: Building Materials, Construction, Environmental Engineering, Materials Science, Mechanical Engineering

Keywords: Air Pollution, Airfoil, Bridge Engineering, Electric Machine, Electromechanical Impedance Method, Fractography, Life Evaluation, Low Cycle Fatigue, Micromachining, Monitoring, Optical Communication, Optical Fiber, Optical Power, Photochemical Machining, Quantum Wells, Salt Gradient Solar Pond, Shear Thickening Fluid, Simulation Algorithm, Soil Quality, Steel, Stirling Generator, Thermal Efficiency, Thermal Power Plant, Turbulence Modeling, Unstabilized Material Properties, Vertical Cavity Surface Emitting Laser, Viscosity Measurement, Water Quality, Wind Turbine, Wood

Prices: Print: **US\$ 160.00/ EUR 160.00** Print: 978-3-0364-0018-1
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0364-1018-0
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 160 pages, 2021

<https://www.scientific.net/978-3-0364-0018-1/book>



Advanced Material and Structures

Selected, peer-reviewed papers from the 3rd International Symposium on Materials Science and Engineering (ISMSE 2020), August 21-23, 2020, Seoul, South Korea and the 4th International Conference on Advanced Materials and Engineering Structural Technology (ICAMEST 2020), November 27-29, 2020, Jeju Island, South Korea

Edited by: Prof. Mosbeh Kaloop and Prof. Seungho Hong

Conference Proceedings

Topics: Building Materials, Civil Engineering, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Absorption, Alloys, Building Materials, Coatings, Composites, Electroplating, Structural Elements, Waste Recycling, Wastewater Treatment

Prices: Print: **US\$ 164.00/ EUR 164.00** Print: 978-3-0357-1795-2
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3795-0
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 164 pages, 2021

<https://www.scientific.net/978-3-0357-1795-2/book>



Advanced Materials - XVI

Selected, peer-reviewed papers from the 16th International Symposium on Advanced Materials (ISAM), October 21-25, 2019, Islamabad, Pakistan

Edited by: Dr. Muhammad Muneeb Asim, Mustasim Billah Bhatti, Muhammad Mansoor and Tahir Ikram

Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Biomaterials, Ceramics, Chemical Synthesis, Coatings, Composites, Corrosion Resistance, Drug Delivery System, Friction Stir Welding, Functional Materials, Graphene, Heat Treatment, Laser Texturing, Magnetic Alloy, Mechanical Properties, Metallic Glass, Nanomaterials, Nanotechnologies, Non-Conventional Processing Technologies, Perovskite, Polymers, Shape Memory Alloys, Sliding Friction, Structural Alloys, Surface Engineering, Tribology

Prices: Print: **US\$ 352.00/ EUR 352.00**
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eBook: 978-3-0357-3589-5
396 pages, 2021

<https://www.scientific.net/978-3-0357-1589-7/book>



Advanced Materials and Application IV

Selected peer-reviewed papers from the the International Symposium on Advanced Materials and Application (ISAMA 2021), February 05-07, 2021, South Korea, and invited papers for the International Conference on Materials Science & Engineering (USA).

Edited by: S Samrat, Michael McInerney, Peter Fischer and Prof. Mosbeh Kaloop

Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Beam, Casting, Cement, Composite, Concrete, Corrosion Protection, Inhibitor, Mechanical Properties, Metal Matrix Composite, Polymer, Steel, Welding

Prices: Print: **US\$ 182.00/ EUR 182.00**
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Print: 978-3-0357-1836-2
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182 pages, 2021

<https://www.scientific.net/978-3-0357-1836-2/book>



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Special topic volume with invited peer-reviewed papers only

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Special Topic

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Biomaterials, Building Materials, Carbon Monoxide, Coatings, Composites, Corrosion Inhibitor, Emission Level, Environmental Engineering, Heavy Metals, Membrane, Nanomaterials, Nanoparticles, Polymers, Semiconductor, Steel, Thin Films

Prices: Print: **US\$ 231.00/ EUR 231.00**
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Print: 978-3-0357-1832-4
eBook: 978-3-0357-3832-2
302 pages, 2021

<https://www.scientific.net/978-3-0357-1832-4/book>



Advanced Materials and Application Technologies II

Special topic volume with invited peer-reviewed papers only

Edited by: Chafic-Touma Salame, Dr. Auday Shaban and Dr. Akram Jabur

Special Topic

Topics: Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Coating, Composite, Corrosion, Emission Level, Mechanical Properties, Nanomaterial, Photocatalyst, Polymer, Quantum Dots, Semiconductor, Steel, Thin Film, Zinc Oxide

Prices: Print: **US\$ 198.00/ EUR 198.00**
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Print: 978-3-0357-1879-9
eBook: 978-3-0357-3879-7
216 pages, 2021

<https://www.scientific.net/978-3-0357-1879-9/book>



Advanced Materials and Engineering Materials X

Selected peer-reviewed papers from the 10th International Conference on Advanced Materials and Engineering Materials (ICAMEM 2021), May 29-30, 2021 (virtual) and the 7th International Conference on Mechanical Structures and Smart Materials (ICMSSM 2021), June 14-15, 2021, Changsha, China

Edited by: Prof. Peng Sheng Wei and Prof. Yan Zhang Xi

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Binder, Biomaterials, Casting, Cementitious Materials, Ceramics, Composite, Concrete, Corrosion, Environmental Engineering, Mechanical Properties, Microstructure, Nanomaterials, Polymer, Rolling, Soldering, Steel, Waste Recycling, Welding

Prices: Print: **US\$ 352.00/ EUR 352.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1877-5
eBook: 978-3-0357-3877-3
556 pages, 2021

<https://www.scientific.net/978-3-0357-1877-5/book>



Advanced Materials and Manufacturing Engineering

Selected, peer-reviewed papers from the 2nd International Conference on Materials Science and Manufacturing Technology 2020 (ICMSMT 2020), April 09-10, 2020, India

Edited by: Dr. Ramya Muthusamy

Special Topic

Topics: Building Materials, Construction, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Building Materials, Ceramics, Composites, Concrete, Corrosion, Cutting Waste, Fiber Reinforcing, Fiberglass Powder, Fly Ash, Geopolymer, Graphene, Machining Parameters, Mechanical Properties, Micro Lubrication, Molding, Slag, Solid State Physics, Steel, Surface Modification

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232 pages, 2021

<https://www.scientific.net/978-3-0357-1753-2/book>



Advanced Materials and Technologies for Defense II

Selected, peer-reviewed papers from the 2nd World Conference on Advanced Materials for Defense (AuxDefense 2020), July 6-7, 2020 [Online Edition], Porto, Portugal

Edited by: Dr. Diana P. Ferreira and Raul Figueiro

Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Biocomposite, Camouflage, CBRN Defense, Composite, Decontamination, Defense, Detection, Fibrous Material, High-Strength Materials, Nanomaterials, Sensor, Skin Protection, Thermal Regulation, Thin Film

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122 pages, 2021

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Advanced Materials and Technologies VI

Special topic volume with invited peer-reviewed papers only

Edited by: Dr. Stanislav Kolisnychenko

Special Topic

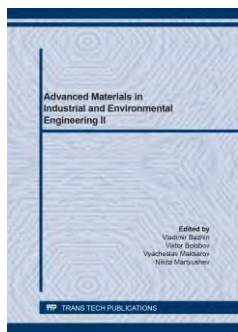
Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Amorphous Alloy, Biodiesel, Bitumen, Carbon Nanotube, Ceramics, Composite, Concrete, Demolished Concrete, Gold Nanoparticle, Magnetic Property, Mechanical Alloying, Mechanical Properties, Metallic Glass, Natural Rubber, Polymer, Structural Element, Thermal Degradation, Transesterification, Waste Cooking Oil

Prices: Print: **US\$ 176.00/ EUR 176.00**
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Print: 978-3-0357-1489-0
eBook: 978-3-0357-3489-8
200 pages, 2021

<https://www.scientific.net/978-3-0357-1489-0/book>



Advanced Materials in Industrial and Environmental Engineering II

Selected peer-reviewed papers from the conference Nanophysics and Nanomaterials (NaN-2020), November 25-26, 2020, St. Petersburg, Russia,

Edited by: Vladimir Bazhin, Viktor Bolobov, Prof. Vyacheslav V. Maksarov and Nikita V. Martyushev

Conference Proceedings

Topics: Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: 3D Printing, Alloy, Cement, Ceramics, Coating, Composite, Ferroelectrics, Fullerene, Gas Atomization, Luminescent Properties, Mechanical Properties, Nanocomposite, Nanomaterials, Nanotechnology, Phosphors, Plasma Technology, Powder, Selective Laser Melting, Steel

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<https://www.scientific.net/978-3-0357-1895-9/book>



Advanced Materials Research Vol. 1160

Special topic volume with invited peer-reviewed papers only

Edited by: Dr. Lina Kieush

Special Topic

Topics: Building Materials, Materials Science

Keywords: Ammonia Synthesis, Concrete, Energy Saving Glass (ESG), Nanoparticles, Oil Palm, Spinel Structured Iron Gallium Oxynitride, Steel

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<https://www.scientific.net/978-3-0357-1195-0/book>



Advanced Materials Research Vol. 1165

Edited by: Prof. Alan Kin Tak Lau

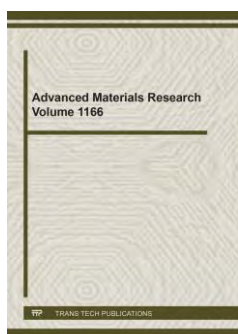
Journal Volume

Topics: Building Materials, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Amorphous Silicon, Epoxy Resin, Fiber Reinforced Composite, Friction Stir Welding, Graphene Oxide, Low-Carbon Steel, Microwave Absorber, Nanocomposite, Nanotube, Pre-Stressed Concrete, Solar Cell, Solidification, Spin-Coating, Thin Film, Vapor Deposition

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Advanced Materials Research Vol. 1166

Edited by: Prof. Alan Kin Tak Lau

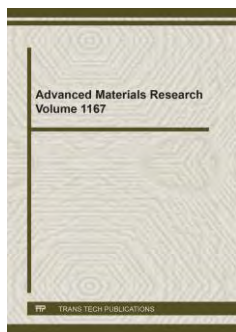
Journal Volume

Topics: Building Materials, Civil Engineering, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Bearing Capacity, Composite, Concrete, Coronavirus, Drug Delivery, Fiber Material, Glass Plate, Magnesium Diboride, Mechanical Properties, Nanoparticles, Neutron Diffraction, Polymer, Superconductor

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<https://www.scientific.net/978-3-0357-2792-0/book>



Advanced Materials Research Vol. 1167

Edited by: Prof. Alan Kin Tak Lau

Journal Volume

Topics: Building Materials, Materials Science, Nanoscience

Keywords: Archaeological Conservation, Cement, Cement Replacement, Clinker, Coating, Composite, Concrete, Corrosion, Graphene Oxide, Heat Treatment, Hybrid Nanofluid, Mechanical Properties, Modelling, Nanomaterials, Natural Convection, Organic Electronics, Perovskite Type Phosphor, Polymer, Pottery, Schottky Barrier, Screen Printing, Thermal Stress, Thin Film

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Print: 978-3-0357-2707-4
eBook: 978-3-0357-2823-1
122 pages, 2021

<https://www.scientific.net/978-3-0357-2707-4/book>



Advanced Materials Research XI

Selected, peer-reviewed papers from the 11th International Conference on Advanced Materials Research (ICAMR 2021), in conjunction with the 5th International Conference on Civil and Building Materials (ICCBM), the 4th International Conference on Advanced Energy Materials (ICAEM), 21-24 January, 2021, via a virtual channel

Edited by: Prof. Alan Kin Tak Lau

Conference Proceedings

Topics: Civil Engineering, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive, Asphalt, Catalyst, Cavity Block, Cement, Coating, Composites, Computational Materials Science, Concrete, Geopolymer, Graphene, Laser Machining, Mechanical Properties, Molecular Dynamic Simulation, Molybdenum, Polymers, Structural Element, Synthesis, Thermal Insulation

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Print: 978-3-0357-1831-7
eBook: 978-3-0357-3831-5
156 pages, 2021

<https://www.scientific.net/978-3-0357-1831-7/book>



Advanced Materials Science and Technologies

Selected, peer-reviewed papers from the 4th International Conference on Materials Sciences and Nanomaterials (ICMSN 2020), July 8-10, 2020, Cambridge, UK, the 5th International Conference on Advanced Functional Materials (ICAFM 2020), August 26-28, 2020, Hawaii, United States and the 3rd International Conference on Advanced Composite Materials (ICACM 2020), August 26-28, 2020, Tokyo, Japan

Edited by: Prof. Yuyuan Zhao

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Construction, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Antifouling Surface, Building Materials, Carbon Nanotube, Cold Pressing, Composites, Concrete Elements, Friction Stir Welding, Functional Materials, Mechanical Properties, Membranes, Monolayer, Nanocomposite, Nanocrystals, Nanofiber, Polymers, Spark Plasma Sintering, Thin Films

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Print: 978-3-0357-1749-5
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158 pages, 2021

<https://www.scientific.net/978-3-0357-1749-5/book>



Advanced Materials Science III

Selected, peer-reviewed papers from the 3rd International Conference on Advanced Materials Science (ICOAMS 2020), December 8-9, 2020, Surakarta, Indonesia

Edited by: Sarjito, Assoc. Prof. Dr. Waluyo Adi Siswanto and Assoc. Prof. Dr. Tri Widodo Besar Riyadi

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Construction, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Biofuel, Biotechnology, Building Materials, Catalysis, Chemical Technology, Composite, Mechanical Properties, Nanomaterials, Polymer, Processing Technology, Pyrolysis, Steel, Waste Recycling, Welding

Prices: Print: **US\$ 198.00/ EUR 198.00**
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Print: 978-3-0357-1872-0
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218 pages, 2021

<https://www.scientific.net/978-3-0357-1872-0/book>



Advanced Materials, Processing and Testing Technology II

Selected, peer-reviewed papers from the 2nd International Conference on Advanced Materials, Processing and Testing Technology (AMPTT 2020), May 23-24, 2020, Guangzhou, China

Edited by: Prof. Dajing Fang and Tao Kuang

Conference Proceedings

Topics: Building Materials, Construction, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Asphalt, Building Materials, Catalysts, Ceramics, Chemical Technologies, Coating, Cold Drawn, Composites, Concrete, Functional Materials, Heat Treatment, Hot Stamping, Hydroforming, Intermetallic Compound, Laser Melting, Mechanical Properties, Microstructure, Polymers, Rapid Prototyping, Semiconductors, Solidification, Steel, Stereolithography, Structural Element, Superconductor, Surface, Thin Films

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410 pages, 2021

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Advanced Research in Materials Science IV

Selected, peer-reviewed papers from the 9th International Conference on Materials Science (ICMS 2020), September 10-12, 2020, Ulaanbaatar, Mongolia

Edited by: Jav Davaasambuu

Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Air Pollution, Alloy, Catalytic Ability, Fullerene, Magnetic Nanoparticle, Mineral Processing, Nanomaterials, Phosphors, Polymer, Shape Memory Alloy, Thin Film, Transition Metal Dichalcogenides

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Advanced Technologies in Material Processing II

Selected peer-reviewed papers from the 2nd International Conference on Experimental and Computational Mechanic in Engineering , October 13-14, 2020, Indonesia

Edited by: Dr. Akhyar and Dr. Mohd Iqbal

Conference Proceedings

Topics: Building Materials, Civil Engineering, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Absorption, Alloy, Asphalt Mixture, Composite, Concrete, Corrosion, Dissimilar Welding, Fracture Mechanics, Friction Stir Welding, Inhibitor, Lubricant, Nanoparticle, Physical-Mechanical Properties, Steel, Tribology

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182 pages, 2021

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Advances in Engineering and Management

Selected, peer-reviewed papers from the 6th International Conference Advances in Engineering and Management (ADEM 2020), December 10-11, 2020, Drobeta-Turnu Severin, Romania

Edited by: Mihai Demian, Claudiu Nicolicescu and Dr. Marius Catalin Criveanu

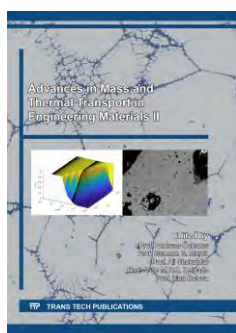
Conference Proceedings

Topics: Environmental Engineering, Industrial Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience, Transportation

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Topics: Manufacturing, Materials Science, Nanoscience

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 236 pages, 2021

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Advances in Material Science

Selected, peer-reviewed papers from the International Conference on Advances in Material Science (ICAMS 2020), October 3, 2020, Pune, India

Edited by: Dr. Sandip A. Kale and Dr. Ajay K. Mishra

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Construction, Electronics, Environmental Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Absorption, Additive Manufacturing, Alloys, Biomaterials, Building Materials, Ceramics, Composites, Concrete, Corrosion Protection, Electrochemistry, Mechanical Properties, Metal Matrix Composites, Modelling, Nanomaterials, Pharmacology, Photovoltaics, Plastic Wastes, Polymers, Semiconductor, Sensors, Steel, Structural Elements, Waste Recycling, Wastewater Treatment

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Advances in Material Science and Mechanical Engineering

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Edited by: Prof. K. Hemachandra Reddy and Prof. Vikram Kumar Chintamreddy

Conference Proceedings

Topics: Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

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Applied Engineering, Materials and Mechanics IV

Selected, peer-reviewed papers from the 5th International Conference on Applied Engineering, Materials and Mechanics (5th ICAEMM 2020), April 24-26, 2020, Kuala Lumpur, Malaysia

Edited by: Prof. Jong Wan Hu

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Biodiesel, Biosynthesis, Biotechnology, Composites, Concrete, Corrosion, Nanoparticles, Oxide Films, Steel, Welding, Zeolite

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108 pages, 2021

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Applied Materials Engineering Research

Selected peer-reviewed papers from the 4th International Conference on Material Engineering Research (4th ICMER 2021), May 14-16, 2021, Incheon, South Korea, and the 6th International Conference on Applied Engineering, Materials and Mechanics (6th ICAEMM 2021), online April 16-18, 2021, Kuala Lumpur, Malaysia

Edited by: Prof. Jong Wan Hu

Conference Proceedings

Topics: Building Materials, Civil Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Additive Manufacturing, Alloy, Bleaching, Construction, Corrosion Protection, Inhibitor, Mechanical Properties, Polymer, Pulp, Steel, Structural Member

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Binders, Materials and Technologies in Modern Construction VI

Selected, peer-reviewed papers from the 18th International Conference Silicate Binders 2019 (ICBM 2019), December 12, 2019, Brno, Czech Republic

Edited by: Assoc. Prof. Dr. Karel Dvořák and Dr. Dominik Gazdič

Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Materials Science, Mechanics

Keywords: Additive, Brick, Cement, Ceramics, Concrete, Geopolymer, Inorganic Binder, Lime, Mechanical Properties, Mortar, Refractory Concrete, Thermal Insulation

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196 pages, 2021

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Binders, Materials and Technologies in Modern Construction VII

Selected, peer-reviewed papers from the 19th International Conference on Silicate Binders (ICBM 2020), December 3, 2020, Brno, Czech Republic

Edited by: Assoc. Prof. Dr. Karel Dvořák and Dr. Dominik Gazdič

Conference Proceedings

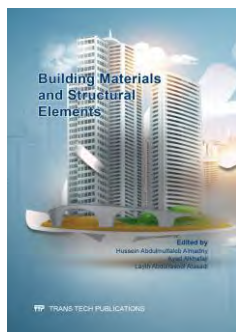
Topics: Building Materials, Construction, Manufacturing, Materials Science, Mechanics

Keywords: Additive, Binder, Blast Furnace Slag, Cement, Ceramics, Clay, Composite, Computational Modelling, Concrete, Fly Ash, Geopolymer, Gypsum, Lime, Mechanical Properties, Metakaolin, Microstructure, Plaster, Refractory Grog, Tile

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202 pages, 2021

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Building Materials, Materials Design and Applications II

Selected, peer-reviewed papers from the 6th International Conference on Building Materials and Construction (ICBMC 2021), Nanotechnology and Nanomaterials in Energy (ICNNE 2021), and Energy Engineering and Smart Materials (ICEESM 2021), April 28-30, 2021, Online

Edited by: Prof. Kiang Hwee Tan

Conference Proceedings

Topics: Building Materials, Construction, Electronics, Industrial Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

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186 pages, 2021

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Composite Materials and Material Engineering V

Selected peer-reviewed papers from the 6th International Conference on Composite Materials and Material Engineering (ICCMME 2021) January 12-14, 2021 (virtual), Bangkok, Thailand

Edited by: Prof. Jong Hak Kim

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Adhesive, Alloy, Biocomposite, Building Materials, Chemical Technology, Coating, Composite, Corrosion, Epoxy, Fertilizer, Fiber, Foams, Forming, Mechanical Properties, Polymers, Pulp, Reinforcing, Solid Polymer Electrolyte, Steel

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Engineering and Innovative Materials IX

Selected, peer-reviewed papers from the 9th International Conference on Engineering and Innovative Materials (ICEIM 2020), September 4-6, 2020, Singapore, Singapore

Edited by: Prof. Muhammad Yahaya and Prof. Takahiro Ohashi

Conference Proceedings

Topics: Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive, Adsorption, Alloy, Cement, Composites, Concrete, Degradation, Electrode, Electrodeposition, Electronics, Environmental Engineering, Friction Stir Welding, Liquid Metal, Mechanical Properties, Polymers, Rolling, Sorbent, Steel, Welding

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180 pages, 2021

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Engineering Fluid Flows and Heat Transfer Analysis II

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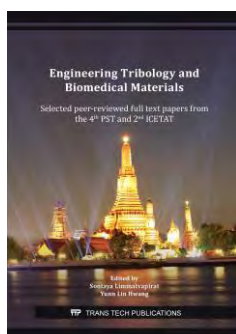
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Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Computers, Environmental Engineering, Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Adsorbent, Alloy, Ball Bearing, Biocoagulation, Biotechnology, Cavitation, Coating, Communication, Concrete, Corrosion, Engineering Management, Flow Pump, Hydraulic Lime, Hydrodynamics, Information Technology, Labor Safety, Lateritic Soil, Mechanical Properties, Nanocomposite, Nanoparticle, Project Management, Steel, Water Treatment

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Engineering Tribology and Biomedical Materials

Selected peer-reviewed papers from the 4th International Conference and Exhibition on Pharmaceutical Sciences and Technology (PST), June 23 - 24, 2021, Bangkok, Thailand and the 2nd International Conference on Engineering Tribology and Applied Technology (ICETAT 20), November 6-8, 2020, Taiwan

Edited by: Sontaya Limmatvapirat and Yunn Lin Hwang

Conference Proceedings

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Keywords: 3D-Printing, Adjuvant, Anti-Inflammatory Agent, Curcumin, Drug Delivery, Extracting, Inhibitor, Nanocarrier, Nanoemulsion, Nanomaterial, Periodontitis Treatment, Pharmaceutical Materials, Physicochemical Properties, Phytochemistry, Transdermal Application

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FarEastCon - Materials and Construction III

Selected, peer-reviewed papers from the International Scientific Conference "FarEastCon" 2020 (FarEastCon-2020), October 6-9, 2020, Vladivostok, Russian Federation

Edited by: Denis B. Solovov

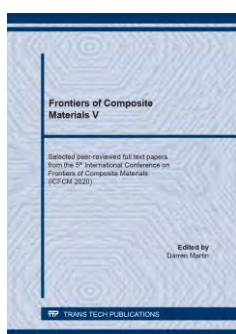
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Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Construction, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive Manufacturing, Alloy, Bimetallic Materials, Building Materials, Cement, Ceramics, Chemical Production, Coatings, Composites, Computational Procedure, Concrete, Corrosion, Forming, Fracture, Functional Materials, Grinding, Laser Processing, Mechanical Properties, Melting, Modelling, Nanomaterials, Nanoparticles, Polymers, Processing Technology, Rolling, Steel, Surface Engineering, Synthesis, Tribology

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 748 pages, 2021

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Frontiers of Composite Materials V

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Edited by: Darren Martin

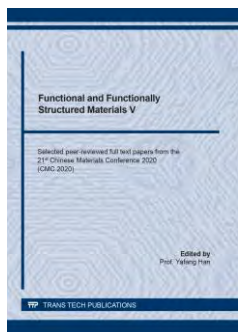
Conference Proceedings

Topics: Building Materials, Civil Engineering, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Cement, Composite, Concrete, Laser Welding, Mechanical Properties, Nanolithography, Reinforcement, Solidification, Spark Plasma Sintering, Superalloy, Superhydrophobic Surface

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Functional and Functionally Structured Materials V

Selected peer-reviewed papers from the 21st Chinese Materials Conference 2020(CMC2020), November 17-22, 2020, Beijing, China

Edited by: Prof. Yafang Han

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Annealing, Asphalt Mixture, Bitumen, Building Materials, Casing, Ceramics, Coating, Composite, Concrete, Corrosion, Cutting, Electron Beam Melting, Environmental Impact, Friction Stir Welding, Functional Materials, Mechanical Properties, Metallic Glasses, Microstructure, Modeling, Numerical Investigation, Pipeline, Polymer, Sintering, Solidification, Steel, Superalloy, Surface Treatment, Tubular Goods, Waste Recycling, Wastewater Treatment, Water Footprint

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Functional Materials: Fundamental Research and Industrial Application

Selected, peer-reviewed papers from the 5th International Conference on Functional Materials Science (5th ICFMS 2020), November 11-12, 2020, Bali, Indonesia

Edited by: Risdiana Risdiana, Budhy Kurniawan, Darminto and A.A. Nugroho

Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Battery Cathode, Biomaterials, Carbon, Coating, Composites, Density Functional Theory, Ferrite, Functional Materials, Graphene, Graphene Oxide, Magnetic Properties, Nanocomposite, Nanoparticles, Photoelectrochemical Cell, Polymers, Process Technology, Semiconductor, Solar Cell, Steel, Supercapacitor, Superconductor, Thin Films

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Functional Nano Powder International Conference 2020

Selected, peer-reviewed papers from the Functional Nanopowder International Conference 2020 (FiNder 2020), November 24, 2020, Jatinangor, Sumedang, Indonesia

Edited by: Prof. I Made Joni

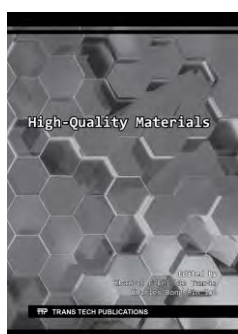
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Industrial Science and Technology II

Selected, peer-reviewed papers from the Postgraduate Symposium on Industrial Science and Technology 2020 (SISTEC 2020), August 26-27, 2020, Kuantan, Malaysia

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Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

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Print: 978-3-0357-1757-0
eBook: 978-3-0357-3757-8
368 pages, 2021

<https://www.scientific.net/978-3-0357-1757-0/book>



Innovations and Technologies in Construction

Special topic volume with invited peer-reviewed papers only

Edited by: Sergey V. Klyuev

Special Topic

Topics: Building Materials, Civil Engineering, Construction, Materials Science

Keywords: 3D Concrete Printing, Asphalt Binder, Cement, Clay, Composite Binder, Concrete, Dry Milling, Geopolymers, Mechanical Properties, Mineral Powder, Road Construction, Soil Stabilisation

Prices: Print: **US\$ 186.00/ EUR 186.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1825-6
eBook: 978-3-0357-3825-4
186 pages, 2021

<https://www.scientific.net/978-3-0357-1825-6/book>



Innovative Engineering and Technology III

Selected, peer-reviewed papers from the 13th International UNIMAS Engineering Conference 2020 (EnCon 2020), October 27-28, 2020, Kota Samarahan, Malaysia

Edited by: Dr. Yee Yong Lee, Ahmad Beng Hong Kueh, Ivy Ai Wei Tan, Lee Chin Kho, Dayang Nur Salmi Dharmiza Awang Salleh, Lidyana Roslan and Sim Nee Ting

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Construction, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Adsorbent, Biocomposites, Biodiesel, Biomaterials, Bio-Waste, Bio-Waste Recycling, Ceramics, Concrete, Fly Ash, Geopolymer, Hydroxyapatite, Lateritic Soil, Mechanical Properties, Microbial Electrolysis Cell, Microplastic, Nanoparticles, Natural Fibre, Sequencing Batch Reactor, Slag, Thin Film

Prices: Print: **US\$ 198.00/ EUR 198.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1833-1
eBook: 978-3-0357-3833-9
206 pages, 2021

<https://www.scientific.net/978-3-0357-1833-1/book>



Innovative Technologies for Joining Advanced Materials XI

Selected peer-reviewed papers from the 11th International Conference: Innovative Technology for Joining Advanced Materials (TIMA 20), November 26-27, 2020, Timisoara, Romania

Edited by: Nicușor-Alin SÎRBU

Conference Proceedings

Topics: Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: 3D Printing, Alloy, Cavitation Erosion, Composite, Electrical Discharge Machining, Friction Stir Processing, Microbonding, Non Destructive Testing, Numerical Modelling, Polymer, Reconditioning, Steel, Surface Treatment, Thermoplastic, Ultrasonic Welding, Underwater Welding, Waterjet Cutting, Welding

Prices: Print: **US\$ 209.00/ EUR 209.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1766-2
eBook: 978-3-0357-3766-0
222 pages, 2021

<https://www.scientific.net/978-3-0357-1766-2/book>



Innovative Technologies for Joining Advanced Materials XI (Supplement Book)

Selected peer-reviewed papers from the 11th International Conference: Innovative Technology for Joining Advanced Materials (TIMA 20), November 26-27, 2020, Timisoara, Romania

Edited by: Nicușor-Alin SÎRBU

Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: 3D Printing, Alloy, Cavitation Erosion, Composite, Electrical Discharge Machining, Friction Stir Processing, Microbonding, Non-Destructive Testing, Numerical Modeling, Polymer, Reconditioning, Steel, Surface Treatment, Thermoplastic, Ultrasonic Welding, Underwater Welding, Waterjet Cutting, Welding

Prices: Print: **US\$ 110.00/ EUR 110.00** Print: 978-3-0357-1654-2
eBook Single-User: **US\$ 110.00/ EUR 110.00** eBook: 978-3-0357-3654-0
eBook Multi-User: **US\$ 193.00/ EUR 193.00** 116 pages, 2021

<https://www.scientific.net/978-3-0357-1654-2/book>



Intelligent Manufacturing and Materials

Selected, peer-reviewed papers from the International Conference on Intelligent Manufacturing and Materials 2021 (IMM 2021), March 1-5, 2021, Yalta, Russian Federation

Edited by: Prof. Sergey Bratan and Dr. Stanislav Roshchupkin

Conference Proceedings

Topics: Building Materials, Construction, Environmental Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: 3D Printing, Additive Manufacturing, Alloy, Building Materials, Ceramics, Coating, Composite, Cutting, Deformation, Drilling, Grinding, Hardening, Mechanical Properties, Microstructure, Milling, Modelling, Polymer, Roughness, Steel, Strength, Surface Treatment, Temperature, Turning, Waste Recycling, Welding

Prices: Print: **US\$ 396.00/ EUR 396.00** Print: 978-3-0357-1834-8
eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3834-6
eBook Multi-User: **US\$ 347.00/ EUR 347.00** 798 pages, 2021

<https://www.scientific.net/978-3-0357-1834-8/book>



International Conference on Engineering Tribology and Applied Technology

Selected, peer-reviewed papers from the 2nd International Conference on Engineering Tribology and Applied Technology (ICETAT 20), November 06-08, 2020, Chiayi, Taiwan

Edited by: Yunn Lin Hwang

Conference Proceedings

Topics: General Engineering

Keywords: Alloy, Coating, Friction, Lubrication, Mechanical Properties, Steel, Surface Engineering, Tribology

Prices: Print: **US\$ 64.00/ EUR 64.00** Print: 978-3-0357-1828-7
eBook Single-User: **US\$ 88.00/ EUR 88.00** eBook: 978-3-0357-3828-5
eBook Multi-User: **US\$ 154.00/ EUR 154.00** 64 pages, 2021

<https://www.scientific.net/978-3-0357-1828-7/book>



International Journal of Engineering Research in Africa Vol. 52

Edited by: Prof. Akii Okonigbon Akaehomen Ibhadode

Journal Volume

Topics: Building Materials, Civil Engineering, Environmental Engineering, Materials Science

Keywords: Construction Wastes, Drilling Fluid, Fresh Water, Heat Treatment, Nonlinear Convection, Oil and Gas Drilling Operations, Optical Sensors, Optimization Techniques, Photovoltaic Inverter, Powders Metallurgy, Power System Stability, Synthetic Aperture Radar (SAR), Wastewater Minimization

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-1556-9
eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3556-7
eBook Multi-User: **US\$ 308.00/ EUR 308.00** 198 pages, 2021

<https://www.scientific.net/978-3-0357-1556-9/book>



International Journal of Engineering Research in Africa Vol. 53

Edited by: Prof. Akii Okonigbon Akaehomen Ibhadode

Journal Volume

Topics: Bioscience and Medicine, Building Materials, Construction, Environmental Engineering, General Engineering, Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Transportation

Keywords: Biofuel, Biotechnology, Cement, Cemented Carbide, Corrosion, Failure Analysis, Geopolymer, Heterogeneous Catalyst, High Entropy Alloy, High-Pressure Die, Mechanical Engineering, Plasma Sintering, Potential Efficiency, Remote Sensing, Road Infrastructure, Seed Shelling Machine, Solar Energy, Structural Element, Superalloy, Wastewater Treatment, Wind Power

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-1149-3
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3149-1
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 220 pages, 2021

<https://www.scientific.net/978-3-0357-1149-3/book>



International Journal of Engineering Research in Africa Vol. 54

Edited by: Prof. Akii Okonigbon Akaehomen Ibhadode

Journal Volume

Topics: Building Materials, Construction, Environmental Engineering, Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Biofuel, Coating, Composite, Concrete, Environmental Engineering, Extrusion, Fluid Flow Mechanics, Mechanical Properties, Modal Analysis, Recycle Concrete Aggregate, Steel, Thermal Radiation, Turbine Blade, Welding

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-2706-7
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3706-6
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 216 pages, 2021

<https://www.scientific.net/978-3-0357-2706-7/book>



International Journal of Engineering Research in Africa Vol. 55

Edited by: Dr. Ramoshweu Solomon Lebelo, Dr. Feyisayo Victoria Adams and Prof. Ojo Sunday Issac Fayomi

Journal Volume

Topics: Environmental Engineering, General Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Biodiesel, Chaotic System, Coating, Corrosion, Fluid Mechanics, Heat Transfer, Mass Transfer, Nanocomposite, Nanofluid, Parameters Identification, Plasma Treatment, Security, Smart Grid, Steel, Stochastic Process, Tribology, Waste Recycling, Wastewater Treatment

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-1708-2
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-2314-4
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 234 pages, 2021

<https://www.scientific.net/978-3-0357-1708-2/book>



International Journal of Engineering Research in Africa Vol. 56

Edited by: Prof. Akii Okonigbon Akaehomen Ibhadode

Journal Volume

Topics: Building Materials, Civil Engineering, Construction, General Engineering, Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Transportation

Keywords: Alloy, Battery, Binary Crow Search Algorithm, Black Cotton Soil, Building Materials, Cement, Ceramics, Cloud of Things, Cloud Computing, Composite, Concrete, Drilling Fluid, Dryer, Equivalent Circuit, Generation System, Internet of Things, Limestone, Maintenance Schedule, Maintenance Scheduling, Mechanical Properties, Planning, Polymer, Prototyping, Response Surface Methodology, Seismic Resistance, Steel, Sustainability, Transportation System, Wood

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-2774-6
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3845-2
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 236 pages, 2021

<https://www.scientific.net/978-3-0357-2774-6/book>



International Journal of Engineering Research in Africa Vol. 57

Edited by: Prof. Akii Okonigbon Akaehomen Ibhadode

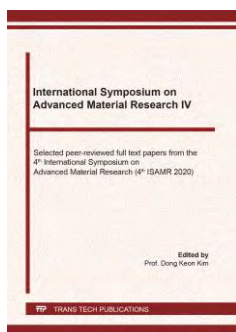
Journal Volume

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Construction, Environmental Engineering, General Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Carbonation, Cement, Composite, Concrete, Convection, Diffusion, Economic Dispatch, Energy Harvesting, Granite, Lamination, Mechanical Properties, Moisture Content, Nanofluid, Nitrates, Numerical Simulation, Pollutant, Porous Medium, Power Control, Power Management System, Reinforcement, Renewable Energy, Road Construction, Sediments, Solar Cell, Spark Plasma Sintering, Steel, Sunflower Seed, Swirling Flow, Turbulence, Unit Commitment Problem, Water Quality, Wireless Sensor Network

Prices: Print: **US\$ 176.00/ EUR 176.00** Print: 978-3-0357-2631-2
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-2799-9
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 250 pages, 2021

<https://www.scientific.net/978-3-0357-2631-2/book>



International Symposium on Advanced Material Research IV

Selected, peer-reviewed papers from the 4th International Symposium on Advanced Material Research (4th ISAMR), June 19-21, 2020, Jeju Island, South Korea

Edited by: Prof. Dong Keon Kim

Conference Proceedings

Topics: Building Materials, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive Manufacturing, Alloy, Ceramics, Composites, Mechanical Properties, Polymers, Solid Electrolyte, Steel, Turning

Prices: Print: **US\$ 74.00/ EUR 74.00** Print: 978-3-0357-1720-4
 eBook Single-User: **US\$ 132.00/ EUR 132.00** eBook: 978-3-0357-3720-2
 eBook Multi-User: **US\$ 231.00/ EUR 231.00** 74 pages, 2021

<https://www.scientific.net/978-3-0357-1720-4/book>



Journal of Biomimetics, Biomaterials and Biomedical Engineering Vol. 49

Edited by: Dr. Sooraj Hussain Nandyala

Journal Volume

Topics: Bioscience and Medicine, Information Technologies, Materials Science, Mechanics

Keywords: Adipose Stem Cells, Bioceramics, Biomechanical Model, Biomechanics, Calcium Phosphate, Cancer Diagnosis, Drug Delivery, Electrospun Biomaterials, Fibrocystic Breast, Knee Joint, Medical Image Processing, Meniscectomy, Scaffold, Segmentation, Tissue Engineering

Prices: Print: **US\$ 138.00/ EUR 138.00** Print: 978-3-0357-1314-5
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3314-3
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 138 pages, 2021

<https://www.scientific.net/978-3-0357-1314-5/book>



Journal of Biomimetics, Biomaterials and Biomedical Engineering Vol. 50

Edited by: Assoc. Prof. Dr. Triwiyanto Triwiyanto and Dr. Stanislav Kolisnichenko

Journal Volume

Topics: Bioscience and Medicine, Computers, Electronics, Information Technologies, Materials Science, Mechanical Engineering, Mechanics

Keywords: Actuator, Baby Incubator, Biomechanics, Biomedical Engineering, Control System, Electromyography, Exoskeleton, Hand Prosthetic, Knee Joint, Medical Imaging, Medical Mechatronics, Monitoring, Obstructive Sleep Apnea, Rehabilitation, Retinal Vascular Network, Sensory System, Telemedicine

Prices: Print: **US\$ 144.00/ EUR 144.00** Print: 978-3-0357-1818-8
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3818-6
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 144 pages, 2021

<https://www.scientific.net/978-3-0357-1818-8/book>



Journal of Biomimetics, Biomaterials and Biomedical Engineering Vol. 51

Edited by: Dr. Sooraj Hussain Nandyala

Journal Volume

Topics: Bioscience and Medicine, General Engineering, Materials Science, Mechanics

Keywords: Antibacterial Property, Bioactive Glass, Biocompatibility, Calcium Phosphate, Dental Implant, Discrete Wavelet Transform, Electrocardiogram, Femur Implant, Gesture Recognition, Human-Computer Interaction, Image Segmentation, Lower Limbs Exoskeleton, Mechanical Properties, Medical Image Processing, Titanium

Prices: Print: **US\$ 148.00/ EUR 148.00** Print: 978-3-0357-1731-0
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-2375-5
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 148 pages, 2021

<https://www.scientific.net/978-3-0357-1731-0/book>



Journal of Biomimetics, Biomaterials and Biomedical Engineering Vol. 52

Special topic volume with invited peer-reviewed papers only

Edited by: Dr. Heri Suroto and Dr. Sooraj Hussain Nandyala

Special Topic

Topics: Bioscience and Medicine, Manufacturing, Materials Science, Mechanics, Nanoscience

Keywords: Amniotic Membrane, Biomaterials, Bone Defect, Hydrogel, Mesenchymal Stem Cells, Secretome, Tissue Engineering, Tissue Scaffolds

Prices: Print: **US\$ 110.00/ EUR 110.00** Print: 978-3-0357-1767-9
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3767-7
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 110 pages, 2021

<https://www.scientific.net/978-3-0357-1767-9/book>



Journal of Biomimetics, Biomaterials and Biomedical Engineering Vol. 53

Edited by: Dr. Sooraj Hussain Nandyala and Dr. David Duday

Journal Volume

Topics: Bioscience and Medicine, Materials Science, Mechanics

Keywords: Biocompatibility, Biomedical Engineering, Biomimetics, Dental Materials, Implantology, Musculoskeletal System, Osteoarthritis, Osteotomy

Prices: Print: **US\$ 102.00/ EUR 102.00** Print: 978-3-0357-1494-4
 eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3494-2
 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 102 pages, 2021

<https://www.scientific.net/978-3-0357-1494-4/book>



Journal of Metastable and Nanocrystalline Materials Vol. 32

Edited by: Dr. Konstantinos Georgarakis and Prof. Nadezhda L. Voropaeva

Journal Volume

Topics: Bioscience and Medicine, Environmental Engineering, Manufacturing, Materials Science, Nanoscience

Keywords: Amorphous Material, Bioactive Glass, Biomaterials, Dye Degradation, Hydroxyapatite Ceramics, Intermetallic Compound, Milling Time, Nanocrystal, Photocatalytic Activity, Zinc Oxide

Prices: Print: **US\$ 54.00/ EUR 54.00** Print: 978-3-0357-1690-0
 eBook Single-User: **US\$ 55.00/ EUR 55.00** eBook: 978-3-0357-3690-8
 eBook Multi-User: **US\$ 96.00/ EUR 96.00** 54 pages, 2021

<https://www.scientific.net/978-3-0357-1690-0/book>



Journal of Metastable and Nanocrystalline Materials Vol. 33

Edited by: Prof. I Made Joni

Journal Volume

Topics: Bioscience and Medicine, Manufacturing, Materials Science, Nanoscience

Keywords: Activate Carbon, Biocompatibility, Catalyst, Electrochemical Synthesis, Electrode Material, Hydroxyapatite, Magnetite Nanoparticles, Metallic Nanoparticle, Microcrystalline Behaviour, Protonic Solvent, Supercapacitor

Prices: Print: **US\$ 56.00/ EUR 56.00** Print: 978-3-0357-1707-5
eBook Single-User: **US\$ 99.00/ EUR 99.00** eBook: 978-3-0357-3707-3
eBook Multi-User: **US\$ 173.00/ EUR 173.00** 56 pages, 2021

<https://www.scientific.net/978-3-0357-1707-5/book>



Journal of Nano Research Vol. 66

Edited by: Prof. Efstathios I. Meletis

Journal Volume

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Nanoscience

Keywords: Biosynthesis, Carbon Nanotube, Drug Delivery, Electrochemical Properties, Gene Transfection, Nanocomposite, Nanocrystal, Nanoencapsulation, Photocatalysis, Silver Nanoparticles

Prices: Print: **US\$ 160.00/ EUR 160.00** Print: 978-3-0357-1008-3
eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3008-1
eBook Multi-User: **US\$ 308.00/ EUR 308.00** 160 pages, 2021

<https://www.scientific.net/978-3-0357-1008-3/book>



Journal of Nano Research Vol. 67

Edited by: Prof. Efstathios I. Meletis

Journal Volume

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Absorption Performance, Biocompatibility, Coating, Electrochemical Deposition, Graphene, Infrared Reflection, Magnetic Property, Nanodroplet, Nanofluid, Nanomaterial, Nanomechanics, Nanoparticle, Nanotechnology, Nanowire, Thermal Conductivity, Thin Film

Prices: Print: **US\$ 122.00/ EUR 122.00** Print: 978-3-0357-1647-4
eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3647-2
eBook Multi-User: **US\$ 308.00/ EUR 308.00** 122 pages, 2021

<https://www.scientific.net/978-3-0357-1647-4/book>



Journal of Nano Research Vol. 68

Edited by: Prof. Efstathios I. Meletis

Journal Volume

Topics: Bioscience and Medicine, Electronics, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Antimicrobial Agent, Biosynthesis, Carbon Nanospheres, Cobalt Ferrite, Laser Ablation, Magnetic Properties, MOSFET, Nanocomposite, Nanofluid, Nanomaterials, Nanoparticles, Photochemistry

Prices: Print: **US\$ 146.00/ EUR 146.00** Print: 978-3-0357-2713-5
eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3713-4
eBook Multi-User: **US\$ 308.00/ EUR 308.00** 146 pages, 2021

<https://www.scientific.net/978-3-0357-2713-5/book>



Journal of Nano Research Vol. 69

Edited by: Prof. Efstathios I. Meletis

Journal Volume

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanics, Nanoscience

Keywords: Carbon Nanotubes, Gold Nanoparticle, Magnetic Properties, Nanocatalyst, Nanocomposite, Nanocomposite Magnets, Nanocrystal, Nanomechanics, Nanopowder, Perovskite, Semiconductor, Strontium Titanate, Thermal Conductivity, Thin Films, Waterborne Disease, Wurtzoids

Prices: Print: **US\$ 130.00/ EUR 130.00**
eBook Single-User: **US\$ 143.00/ EUR 143.00**
eBook Multi-User: **US\$ 250.00/ EUR 250.00**

Print: 978-3-0357-2790-6
eBook: 978-3-0357-3862-9
130 pages, 2021

<https://www.scientific.net/978-3-0357-2790-6/book>



Journal of Nano Research Vol. 70

Edited by: Prof. Efstathios I. Meletis

Journal Volume

Topics: Nanoscience

Keywords: Adhesion Property, Anti-Bacterial Activity, Electrical Property, Electrocatalytic Activity, Electrophoretic Deposition, Field Effect Transistor, Graphene Nanoribbons, Morphology, Nanocomposite, Nanofluid, Nanoparticles, Optical Property, Polypyrrol, Thin Film, Titanium Dioxide

Prices: Print: **US\$ 154.00/ EUR 154.00**
eBook Single-User: **US\$ 176.00/ EUR 176.00**
eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-2675-6
eBook: 978-3-0357-2815-6
154 pages, 2021

<https://www.scientific.net/978-3-0357-2675-6/book>



Key Engineering Materials XI

Selected, peer-reviewed papers from the 11th International Conference on Key Engineering Materials (ICKEM 2021), March 26-29, 2021, Moscow, Russian Federation

Edited by: Prof. Alexander M. Korsunsky and Assoc. Prof. Julio Ramirez-Castellanos

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Biotechnology, Building Materials, Ceramics, Composite, Electrotechnical Materials, Mechanical Properties, Plasma Processing, Polymer, Rolling, Steel

Prices: Print: **US\$ 182.00/ EUR 182.00**
eBook Single-User: **US\$ 187.00/ EUR 187.00**
eBook Multi-User: **US\$ 327.00/ EUR 327.00**

Print: 978-3-0357-1887-4
eBook: 978-3-0357-3887-2
182 pages, 2021

<https://www.scientific.net/978-3-0357-1887-4/book>



Mass and Thermal Transport in Materials and Materials Structures

Special topic volume with invited peer-reviewed papers only

Edited by: Prof. Andreas Öchsner, Prof. Graeme E. Murch, Prof. Ali Shokuhfar and Prof. João M.P.Q. Delgado

Special Topic

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Convection, Diffusion, Interdiffusion, Liquids, Mass Transport, Porous Media, Separation, Solids, Thermal Conductivity, Thermal Transport

Prices: Print: **US\$ 198.00/ EUR 198.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1172-1
eBook: 978-3-0357-3172-9
204 pages, 2021

<https://www.scientific.net/978-3-0357-1172-1/book>



Material and Manufacturing Technology XI

Selected, peer-reviewed papers from the 11th International Conference on Materials and Manufacturing Technology (ICMMT-2020), April 24-26, 2020, Bangkok, Thailand

Edited by: Prof. Vladimir Khovaylo and Ratchatin Chanchaen

Conference Proceedings

Topics: Building Materials, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive Manufacturing, Alloy, Biofuels, Building Materials, Composites, Functional Materials, Graphene, Mechanical Properties, Metal Oxide, Nanomaterials, Polymers, Semiconductors, Steel

Prices: Print: **US\$ 196.00/ EUR 196.00** Print: 978-3-0357-1722-8
eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3722-6
eBook Multi-User: **US\$ 347.00/ EUR 347.00** 196 pages, 2021

<https://www.scientific.net/978-3-0357-1722-8/book>



Material and Manufacturing Technology XII

Selected, peer-reviewed papers from the 12th International Conference on Materials and Manufacturing Technologies (ICMMT 2021), April 23-26, 2021, Singapore, Singapore

Edited by: Prof. Vladimir Khovaylo and Prof. Fu Ming Wang

Conference Proceedings

Topics: Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Cement, Composite, Concrete, Electrocatalyst, Electrolyte, Electrospinning, Fluid Abrasive Machining, Graphene, Mechanical Properties, Nanoparticle, Photodegradation, Polymer, Steel, Superconductor, Surface Polishing, Waste Recycling

Prices: Print: **US\$ 170.00/ EUR 170.00** Print: 978-3-0357-1858-4
eBook Single-User: **US\$ 176.00/ EUR 176.00** eBook: 978-3-0357-3858-2
eBook Multi-User: **US\$ 308.00/ EUR 308.00** 170 pages, 2021

<https://www.scientific.net/978-3-0357-1858-4/book>



Material Engineering and Application III

Selected, peer-reviewed papers from the 5th International Conference on Material Engineering and Application (ICMEA 2020), August 07-09, 2020, Jakarta, Indonesia

Edited by: Prof. Mosbeh Kaloop

Conference Proceedings

Topics: Building Materials, Civil Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Amorphous Phase, Asphalt, Building Materials, Cement, Coating, Gas Hydrates, Geopolymer, Mechanical Alloying, Mechanical Properties, Polymer Composite, Powder Materials

Prices: Print: **US\$ 102.00/ EUR 102.00** Print: 978-3-0357-1770-9
eBook Single-User: **US\$ 110.00/ EUR 110.00** eBook: 978-3-0357-3770-7
eBook Multi-User: **US\$ 193.00/ EUR 193.00** 102 pages, 2021

<https://www.scientific.net/978-3-0357-1770-9/book>



Material Engineering and Manufacturing IV

Selected, peer-reviewed papers from the 5th International Conference on Material Engineering and Manufacturing (ICMEM 2021), the 4th International Conference on Materials Design and Applications (ICMDA 2021), and the 5th International Conference on Materials Engineering and Nano Sciences (ICMENS 2021), April 16-19, 2021, Chiba, Japan

Edited by: Prof. Akira Toriumi and Prof. Takashige Omatsu

Conference Proceedings

Topics: Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Coating, Composite, Computational Modelling, Electrochemistry, Environmental Protection, Finishing, Graphene Oxide, Grinding, Mechanical Properties, Metal, Polymer, Steel

Prices: Print: **US\$ 222.00/ EUR 222.00** Print: 978-3-0357-1859-1
eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3859-9
eBook Multi-User: **US\$ 347.00/ EUR 347.00** 222 pages, 2021

<https://www.scientific.net/978-3-0357-1859-1/book>



Material Engineering Research II

Selected, peer-reviewed papers from the 3rd International Conference on Material Engineering Research (3rd ICMER 2020) May 22-24, 2020, Incheon, South Korea

Edited by: Prof. Jong Wan Hu

Conference Proceedings

Topics: Building Materials, Construction, Materials Science, Mechanical Engineering, Mechanics

Keywords: Biotechnology, Building Materials, Food Technology, Polymers, Steel, Structural Elements, Surface Wettability, Thin Films

Prices: Print: **US\$ 82.00/ EUR 82.00**
eBook Single-User: **US\$ 164.00/ EUR 164.00**
eBook Multi-User: **US\$ 287.00/ EUR 287.00**

Print: 978-3-0357-1712-9
eBook: 978-3-0357-3712-7
82 pages, 2021

<https://www.scientific.net/978-3-0357-1712-9/book>



Material Science and Engineering Technology IX

Selected, peer-reviewed papers from the 9th International Conference on Material Science and Engineering Technology (ICMSET 2020), the 9th International Conference on Nanostructures, Nanomaterials and Nanoengineering (ICNNN 2020), and the 5th International Conference on Materials Technology and Applications (ICMTA 2020), October 9-12, 2020, Kyoto, Japan

Edited by: Prof. Ramesh K. Agarwal

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Biotechnology, Building Materials, Ceramics, Composites, Electrolytes, Environmental Engineering, Graphene, Mechanical Properties, Metal Oxide, Metallic Compound, Modelling, Nanotubes, Polymers, Recycling, Semiconductors, Superalloy, Thin Film

Prices: Print: **US\$ 176.00/ EUR 176.00**
eBook Single-User: **US\$ 176.00/ EUR 176.00**
eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1784-6
eBook: 978-3-0357-3784-4
176 pages, 2021

<https://www.scientific.net/978-3-0357-1784-6/book>



Material Science and Engineering: Properties and Technologies II

Selected, peer-reviewed papers from the 7th International Conference on Material Science and Engineering (ICMSE 2020), December 18-20, 2020, Wuhan, China

Edited by: D. Bhattacharyya and Dr. Xinyu Hu

Conference Proceedings

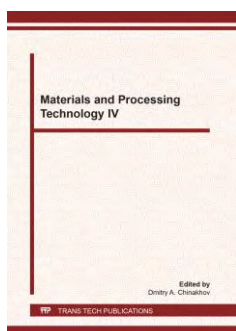
Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Biomaterials, Chemical Technologies, Coating, Composites, Concrete, Functional Materials, Geopolymer, Nanomaterials, Polymers, Processing Parameters, Steel, Thin Films

Prices: Print: **US\$ 174.00/ EUR 174.00**
eBook Single-User: **US\$ 176.00/ EUR 176.00**
eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1762-4
eBook: 978-3-0357-3762-2
174 pages, 2021

<https://www.scientific.net/978-3-0357-1762-4/book>



Materials and Processing Technology IV

Special topic volume with invited peer reviewed papers only

Edited by: Dmitry A. Chinakhov

Special Topic

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Heat Treatment, Laser Processing, Mechanical Properties, Microstructure, Steel, Welding

Prices: Print: **US\$ 164.00/ EUR 164.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1839-3
eBook: 978-3-0357-3839-1
164 pages, 2021

<https://www.scientific.net/978-3-0357-1839-3/book>



Materials and Technologies for Engineering Application

Selected, peer-reviewed papers from the 2nd International Seminar on Science and Technology (ISSTEC), November 25-26, 2019, Yogyakarta, Indonesia

Edited by: Is Fatimah, Imam Sahroni, Ruey-an Doong and Riyanto

Conference Proceedings

Topics: Bioscience and Medicine, Environmental Engineering, Manufacturing, Materials Science, Nanoscience

Keywords: Activated Carbon, Adsorbent, Adsorption, Air Pollution, Antimicrobial Activity, Degradation, Diuretic Effect, Electrospinning, Environmental Protection, Food Preservation, Green Synthesis, Heavy Metal, Hemodialysis Membrane, Layered Double Hydroxide, Liquid Hand Soap, Medical Plant, Meropenem, Nanofibers, Nanoparticles, Pharmacology, Photocatalyst, Photochemical Reduction, Physicochemical Properties, Plasma Treatment, Pulsed Laser Ablation, Sorption, Warfarin, Wastewater Treatment

Prices: Print: **US\$ 176.00/ EUR 176.00**
eBook Single-User: **US\$ 176.00/ EUR 176.00**
eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1769-3
eBook: 978-3-0357-3769-1
202 pages, 2021

<https://www.scientific.net/978-3-0357-1769-3/book>



Materials and Technologies in Construction and Architecture IV

Selected peer-reviewed papers from the 4th International Scientific and Technical Conference «Construction and Architecture: Theory and Practice of Innovative Development» (CATPID 2021 part 1), July 1-5, 2021, Nalchik, Russia

Edited by: Batyr M. Yazyev, Stepan V. Litvinov, Anastasia Lapina, Anastasia Kotesova and Akay Oksana

Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Industrial Engineering, Materials Science, Mechanics

Keywords: Architecture, Building Materials, Construction, Mechanical Properties, Project Management, Strength Calculation, Structural Mechanics

Prices: Print: **US\$ 176.00/ EUR 176.00**
eBook Single-User: **US\$ 176.00/ EUR 176.00**
eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1608-5
eBook: 978-3-0357-3608-3
190 pages, 2021

<https://www.scientific.net/978-3-0357-1608-5/book>



Materials Engineering and Manufacturing

Selected peer-reviewed full text papers from the 9th Asia Conference on Mechanical and Materials Engineering (9th ACMME) and 6th International Conference on Civil Engineering and Materials Science (6th ICCEMS), June 26-28, 2021, virtual

Edited by: Prof. Omar S. Es-Said

Conference Proceedings

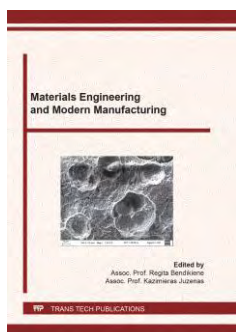
Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Construction, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Beam, Biomaterials, Building Materials, Composite, Functional Materials, Grinding, Mechanical Properties, Metal Matrix Composite, Micro Electrical Discharge Machining (EDM), Milling, Nanocomposite, Polymer, Steel, Structural Member, Thin Film

Prices: Print: **US\$ 242.00/ EUR 242.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1893-5
eBook: 978-3-0357-3893-3
242 pages, 2021

<https://www.scientific.net/978-3-0357-1893-5/book>



Materials Engineering and Modern Manufacturing

Special topic volume with invited peer-reviewed papers only

Edited by: Prof. Regita Bendikiene and Kazimieras Juzėnas

Special Topic

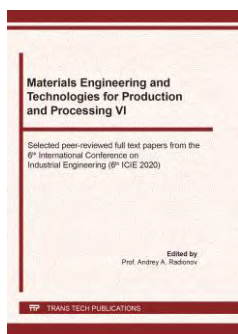
Topics: Building Materials, Civil Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Buildings Materials, Ceramics, Chemical Technologies, Coating, Composite, Fibre, Functional Materials, Hardfacing, Machining, Mechanical Properties, Metal, Polymer, Tribology, Wood

Prices: Print: **US\$ 218.00/ EUR 218.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1764-8
eBook: 978-3-0357-3764-6
218 pages, 2021

<https://www.scientific.net/978-3-0357-1764-8/book>



Materials Engineering and Technologies for Production and Processing VI

Selected, peer-reviewed papers from the 6th International Conference on Industrial Engineering (6th ICIE), May 18-22, 2020, Sochi, Russian Federation

Edited by: Prof. Andrey A. Radionov

Conference Proceedings

Topics: Building Materials, Construction, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive Technologies, Alloys, Building Materials, Ceramics, Chemical Production, Coatings, Composites, Grinding, Hydrometallurgy, Mechanical Properties, Metallurgical Technologies, Metalworking, Polymers, Semiconductors, Steel, Surface Engineering, Synthesis, Treatment, Wear Resistance, Welding

Prices: Print: **US\$ 352.00/ EUR 352.00** Print: 978-3-0357-1650-4
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3650-2
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 1102 pages, 2021

<https://www.scientific.net/978-3-0357-1650-4/book>



Materials Engineering and Technologies for Production and Processing VII

Selected, peer-reviewed papers from the International Conference on Industrial Engineering (ICIE 2021), May 17-21, 2021, Sochi, Russian Federation

Edited by: Prof. Andrey A. Radionov

Conference Proceedings

Topics: Building Materials, Civil Engineering, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Building Materials, Ceramics, Coating, Composite, Ecological Safety, Hydrometallurgy, Industrial Waste, Mechanical Properties, Metallurgy, Metalworking, Polymer, Recycling, Semiconductor, Steel, Thin Film, Welding

Prices: Print: **US\$ 363.00/ EUR 363.00** Print: 978-3-0357-1840-9
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3840-7
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 908 pages, 2021

<https://www.scientific.net/978-3-0357-1840-9/book>



Materials for Modern Technologies VII

Selected, peer-reviewed papers from the 2021 Spring International Conference on Material Sciences and Technology (MST-S), April 20-22, 2021, Xi'an, China

Edited by: Dr. Alokesh Pramanik and Prof. Elsayed Ahmed Elnashar

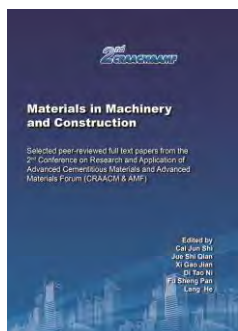
Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Ceramics, Coating, Composites, Material Processing, Materials Testing, Mechanical Properties, Metallurgy, Microstructure, Nanomaterials, Polymers, Quenching, Rolling

Prices: Print: **US\$ 209.00/ EUR 209.00** Print: 978-3-0357-1863-8
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3863-6
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 224 pages, 2021

<https://www.scientific.net/978-3-0357-1863-8/book>



Materials in Machinery and Construction

Selected, peer-reviewed papers from the 2nd Conference on Research and Application of Advanced Cementitious Materials and Advanced Materials Forum (CRAACM & AMF), October, 2020, Xi'an, China

Edited by: Cai Jun Shi, Jue Shi Qian, Xi Gao Jian, Di Tao Niu, Fu Sheng Pan and Lang He

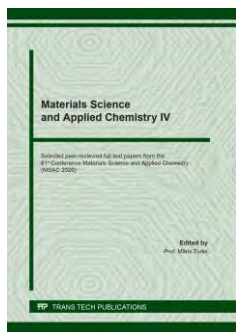
Conference Proceedings

Topics: Building Materials, Civil Engineering, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Anode Material, Casting, Cementitious Materials, Ceramics, Coating, Composite, Concrete, Conductive Film, Friction Stir Welding, Geopolymer, Graphene, Heat Treatment, Mechanical Properties, Microstructure, Nanomaterials, Pavement Materials, Photoelectric Properties, Steel, Zinc Oxide

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 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3811-7
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 490 pages, 2021

<https://www.scientific.net/978-3-0357-1811-9/book>



Materials Science and Applied Chemistry IV

Selected peer-reviewed papers from the 61st conference Materials Science and Applied Chemistry (MSAC 2020), 23 October 2020, Riga, Latvia

Edited by: Prof. Māris Turks

Conference Proceedings

Topics: Building Materials, Manufacturing, Materials Science, Nanoscience

Keywords: Biodiesel, Biomaterials, Biotechnology, Building Materials, Chemistry, Coating, Composite, Environmental Engineering, Exoelectron Emission, Functional Materials, Molecular Glass, Polymer, Rubber, Waste Recycling, Wood Materials

Prices: Print: **US\$ 253.00/ EUR 253.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1849-2
eBook: 978-3-0357-3849-0
256 pages, 2021

<https://www.scientific.net/978-3-0357-1849-2/book>



Materials Science and Industrial Applications III

Selected, peer-reviewed papers from the 3rd International Conference on Materials Science and Industrial Applications (MSIA 2021), January 16-17, 2021, Xi'an, China

Edited by: Dr. Zhibin You

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Chemical Technology, Composite, Corrosion, Functional Materials, Mechanical Properties, Nanomaterials, Nanotechnology, Nonconventional Technology, Polymer, Processing Technology, Steel

Prices: Print: **US\$ 209.00/ EUR 209.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1805-8
eBook: 978-3-0357-3805-6
242 pages, 2021

<https://www.scientific.net/978-3-0357-1805-8/book>



Materials Science and Manufacturing Engineering

Selected, peer-reviewed papers from the International Conference on Materials Science and Manufacturing Engineering (MSME 2020), November 5-8, 2020, Sanya, China

Edited by: Prof. Zhanwen Chen

Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive Manufacturing, Alloy, Ceramics, Coatings, Composites, Cutting, Laser Processing, Mechanical Properties, Metal Oxide, Milling, Nanomaterials, Photocatalytic Activity, Plasma Cladding, Polymers, Semiconductor, Superalloy, Surface Engineering, Welding

Prices: Print: **US\$ 176.00/ EUR 176.00**
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eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1868-3
eBook: 978-3-0357-3868-1
188 pages, 2021

<https://www.scientific.net/978-3-0357-1868-3/book>



Materials Science and Modern Manufacturing

Selected, peer-reviewed papers from the 3rd International Scientific Conference of Alkafeel University (ISCKU 2021), March 22-23, 2021, Al-Najaf Al-Ashraf, Iraq

Edited by: Prof. Nawras Al-Dahan, Dr. Firas Alosfur and Kamaruzzaman Sopian

Conference Proceedings

Topics: Bioscience and Medicine, Civil Engineering, Construction, Electronics, Environmental Engineering, General Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Biomaterials, Biomedical Engineering, Building Materials, Catalyst, Ceramics, Composite, Diffraction Line, Graphene, Laser, Mechanical Engineering, Mechanical Properties, Metal Oxide, Microstructure, Nanomaterial, Nanoparticle, Optical Property, Plasma, Polymer, Processing Technology, Semiconductor, Solar Cell, Spectroscopic, Steel, Thin Film

Prices: Print: **US\$ 308.00/ EUR 308.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1884-3
eBook: 978-3-0357-3884-1
580 pages, 2021

<https://www.scientific.net/978-3-0357-1884-3/book>



Materials Science and Technologies

Selected peer-reviewed full text papers from the CMS 2020 Winter Proceedings

Edited by: Prof. Zong Jin Li

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Asphalt, Catalytic Activity, Chemical Technologies, Composite, Corrosion, Degradation Kinetics, Fiber Reinforcing, Functional Materials, Mechanical Properties, Nanocomposite, Nanoparticle, Polymer, Precursor, Reinforced Concrete, Six Sigma, Superalloy, Technological Defects

Prices: Print: **US\$ 198.00/ EUR 198.00** Print: 978-3-0357-1789-1
eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3789-9
eBook Multi-User: **US\$ 347.00/ EUR 347.00** 236 pages, 2021

<https://www.scientific.net/978-3-0357-1789-1/book>

Materials Science and Technology of Additive Manufacturing



Selected, peer-reviewed papers from the conference Materials Science and Technology of Additive Manufacturing 2019 (MSTAM), December 10-11, 2019, Bremen, Germany

Edited by: Vasily Ploshikhin, Jan-Patrick Jürgens and Marvin Siewert

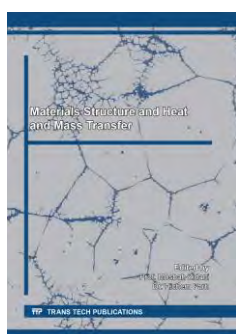
Conference Proceedings

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Additive Manufacturing, Alloy Design, Direct Energy Deposition, Laser Powder Bed Fusion, Mechanical Properties, Microstructure, Process Monitoring, Simulation, Wire Arc Additive Manufacturing

Prices: Print: **US\$ 132.00/ EUR 132.00** Print: 978-3-0357-1663-4
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eBook Multi-User: **US\$ 231.00/ EUR 231.00** 156 pages, 2021

<https://www.scientific.net/978-3-0357-1663-4/book>



Materials Structure and Heat and Mass Transfer

Special topic volume with invited peer-reviewed papers only

Edited by: Prof. Mosbah Zidani and Dr. Hichem Farh

Special Topic

Topics: Electronics, Industrial Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Absorption, Convection Flow, Converter, Cooling, Drying Kinetics, Energy Systems Engineering, Fluid Dynamics, Fluid Flow, Fuel Cells, Heat Transfer, Mass Transfer, Micro Grid, Mixed Convection, Non-Premixed Combustion, Numerical Modeling, Renewable Energy, Solar Cells, Turbulent Flow, Ventilation

Prices: Print: **US\$ 330.00/ EUR 330.00** Print: 978-3-0357-1736-5
eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3736-3
eBook Multi-User: **US\$ 347.00/ EUR 347.00** 548 pages, 2021

<https://www.scientific.net/978-3-0357-1736-5/book>



Materials, Computer Engineering and Education Technology

Selected, peer-reviewed papers from the International Conference on Materials, Computer Engineering and Education Technology (MCEET 2020), December 19-20, 2020, Sanya, China

Edited by: Prof. Abdel-Badeeh Mohamed Salem and Prof. Sergei Gorchatch

Conference Proceedings

Topics: Computers, Electronics, General Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Actuator, Additive Manufacturing, Alloy, Big Data, Ceramics, Communication, Composite, Computational Procedure, Computer Engineering, Educational Technology, Friction Stir Welding, Graphene, Informational Technology, Ion Gel, Machine Learning, Measurement, Mechanical Engineering, Mechanics, Mechatronics, Microwave Heating, Nanoparticles, Robotics, Sensors, Steel, Thin Films

Prices: Print: **US\$ 220.00/ EUR 220.00** Print: 978-3-0357-1882-9
eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3882-7
eBook Multi-User: **US\$ 347.00/ EUR 347.00** 402 pages, 2021

<https://www.scientific.net/978-3-0357-1882-9/book>



Mechanical Engineering, Materials Science and Civil Engineering V

Selected peer-reviewed papers from the 8th International Conference on Mechanical Engineering, Materials Science and Civil Engineering (ICMEMSCE 2020), November 23-24, 2020, Bangkok, Thailand

Edited by: Jing Wei Zhao

Conference Proceedings

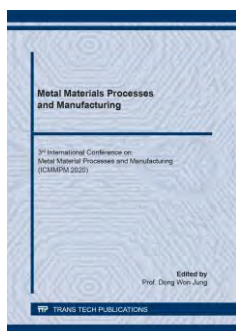
Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: 3D Printing, Alloy, Bioadsorbent, Building Materials, Casting, Ceramics, Composites, Concrete, Forming, Geogrid, Hexaferrite, Mechanical Properties, Microstructure, Polymers, Semiconductor, Solidification, Spark Plasma Sintering, Steel, Superalloy, Supercapacitor

Prices: Print: **US\$ 176.00/ EUR 176.00**
eBook Single-User: **US\$ 176.00/ EUR 176.00**
eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1866-9
eBook: 978-3-0357-3866-7
206 pages, 2021

<https://www.scientific.net/978-3-0357-1866-9/book>



Metal Materials Processes and Manufacturing

Selected, peer-reviewed papers from the 2020 3rd International Conference on Metal Material Processes and Manufacturing (ICMMPM 2020), June 22-23, 2020, Singapore, Singapore

Edited by: Prof. Dong-Won Jung

Conference Proceedings

Topics: Building Materials, Construction, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Electrical Discharge Machining, Forming, Magnetic Abrasive Finishing, Mesoporous Material, Optimisation, Steel, Superalloy, Technological Parametres, Welding

Prices: Print: **US\$ 176.00/ EUR 176.00**
eBook Single-User: **US\$ 176.00/ EUR 176.00**
eBook Multi-User: **US\$ 308.00/ EUR 308.00**

Print: 978-3-0357-1723-5
eBook: 978-3-0357-3723-3
198 pages, 2021

<https://www.scientific.net/978-3-0357-1723-5/book>



Metallurgy Technology and Materials VIII

Selected, peer-reviewed papers from the 8th International Conference on Metallurgy Technology and Materials (ICMTM 2020), August 1-2, 2020, Xian, China

Edited by: Prof. Nor Sabirin Mohamed

Conference Proceedings

Topics: Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Aging, Alloy, Biomass Processing, Biosorbent, Biotechnology, Casting, Composites, Essential Oil, Extraction, Forming, Heat Treatment, Hydrogen Damage, Laser Welding, Mechanical Properties, Microstructure, Nanoparticles, Polymers, Quenching, Solidification, Spray Drying, Steel, Superalloy, Welding

Prices: Print: **US\$ 148.00/ EUR 148.00**
eBook Single-User: **US\$ 165.00/ EUR 165.00**
eBook Multi-User: **US\$ 289.00/ EUR 289.00**

Print: 978-3-0357-1700-6
eBook: 978-3-0357-3700-4
148 pages, 2021

<https://www.scientific.net/978-3-0357-1700-6/book>



Mining Industry: Innovations and Prospects for the Development of Materials Science II

Selected, peer-reviewed papers from the 8th international scientific conference on Innovations and Prospects of Development of Mining Machinery and Electrical Engineering (IPDME 2020), April 23-24, 2020, Saint-Petersburg, Russia

Edited by: Vyacheslav V. Maksarov, Victor V. Gabov and Nikita V. Martyushev

Conference Proceedings

Topics: Building Materials, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Coatings, Composites, Deformation, Laser Processing, Mechanical Properties, Mineralogy, Minerals Processing, Plasma Spraying, Polymers, Steels, Structure Formation, Surface Tension

Prices: Print: **US\$ 220.00/ EUR 220.00**
eBook Single-User: **US\$ 198.00/ EUR 198.00**
eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1803-4
eBook: 978-3-0357-3803-2
240 pages, 2021

<https://www.scientific.net/978-3-0357-1803-4/book>



Modern Materials and Technologies for Civil and Road Engineering

Selected, peer-reviewed papers from the 4th National Conference on Wind and Earthquake Engineering (4th NCWE), October 16-17, 2020, Gambang, Malaysia

Edited by: Dr. Ramadhansyah Putra Jaya

Conference Proceedings

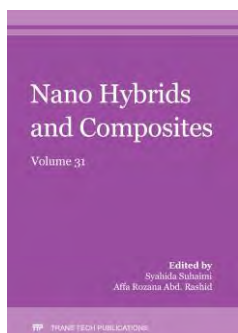
Topics: Building Materials, Civil Engineering, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additives, Asphalt Mixture, Cement, Cement Replacement, Composites, Concrete, Electroplating, Mechanical Properties, Numerical Analysis, Pavement, Recycling, Seismic Load, Semiconductor, Steel Slag, Structural Elements

Prices: Print: **US\$ 231.00/ EUR 231.00**
 eBook Single-User: **US\$ 198.00/ EUR 198.00**
 eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1830-0
 eBook: 978-3-0357-3830-8
 308 pages, 2021

<https://www.scientific.net/978-3-0357-1830-0/book>



Nano Hybrids and Composites Vol. 31

Edited by: Syahida Suhaimi and Affa Rozana Abd. Rashid

Conference Proceedings

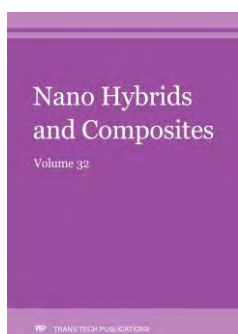
Topics: Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanics, Nanoscience

Keywords: Anodic Alumina Oxide, Biomass Waste Processing, Cobalt Ferrite, Gold Nanoparticles, Graphene Oxide, Green Synthesis, Nanocomposite, Nanomaterials, Nanoparticles, Photocatalysis, Superconductor, Tellurite Glass, Thin Films, Wastewater Treatment

Prices: Print: **US\$ 88.00/ EUR 88.00**
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 eBook Multi-User: **US\$ 193.00/ EUR 193.00**

Print: 978-3-0357-1615-3
 eBook: 978-3-0357-3615-1
 88 pages, 2021

<https://www.scientific.net/978-3-0357-1615-3/book>



Nano Hybrids and Composites Vol. 32

Edited by: Dr. Amir Al-Ahmed and Prof. Yun-Hae Kim

Journal Volume

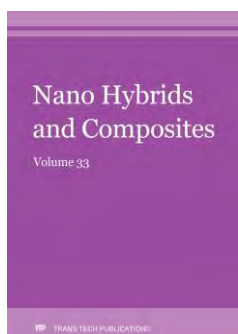
Topics: Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Composite, Electrocatalyst, Epoxy, Honeycomb Composite, Mechanical Properties, Nanocomposite, Nanoparticles, Plasticizer, Polymer Composite, Reinforcement, Thermal Properties, Tribotesting

Prices: Print: **US\$ 106.00/ EUR 106.00**
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 eBook Multi-User: **US\$ 231.00/ EUR 231.00**

Print: 978-3-0357-1134-9
 eBook: 978-3-0357-3134-7
 106 pages, 2021

<https://www.scientific.net/978-3-0357-1134-9/book>



Nano Hybrids and Composites Vol. 33

Edited by: Dr. Amir Al-Ahmed and Prof. Yun-Hae Kim

Journal Volume

Topics: Materials Science, Nanoscience

Keywords: Advanced Materials, Biopolymer, Graphene, Mechanical Properties, Nanobeam, Nanocomposite, Nanoplate, Nanostructures, Physical Aging, Silica, Silver-Nanoparticles, Thermal Conductivity

Prices: Print: **US\$ 140.00/ EUR 140.00**
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Print: 978-3-0357-1871-3
 eBook: 978-3-0357-3871-1
 140 pages, 2021

<https://www.scientific.net/978-3-0357-1871-3/book>



New Polymer Composite Materials III

Selected, peer-reviewed papers from the XVII International Scientific and Practical Conference "New Polymer Composite Materials" (NPCM 2021), July 5-10, 2021, Nalchik, Russian Federation

Edited by: Svetlana Khashirova, Azamat Zhansitov and Amina Vindizheva

Conference Proceedings

Topics: Building Materials, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: 3D-Printing, Additive, Catalyst, Composite, Elastomer, Epoxy, Film, Hydrogel, Mechanical Properties, Nanocomposite, Nanofiber, Polymer, Polymer Composite, Polymerisation, Polysulfone, Polyurethane, Rubber, Thermal Properties

Prices: Print: **US\$ 330.00/ EUR 330.00** Print: 978-3-0357-1375-6
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3375-4
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 788 pages, 2021

<https://www.scientific.net/978-3-0357-1375-6/book>



Polymer Science and Engineering II

Selected peer-reviewed papers from the 4th International Conference on Composite Material, Polymer Science and Engineering (CMPSE2020), December 06-07, 2020 (virtual), South Korea

Edited by: Prof. Katsuyuki Kida

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering

Keywords: Ceramics, Chromium Ion Adsorption, Composites, Lysozyme, Plasma Spraying, Polymers, Spintronics, Superalloy

Prices: Print: **US\$ 152.00/ EUR 152.00** Print: 978-3-0357-1829-4
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 eBook Multi-User: **US\$ 308.00/ EUR 308.00** 152 pages, 2021

<https://www.scientific.net/978-3-0357-1829-4/book>



Problems of Emergency Situations: Materials and Technologies II

Selected, peer-reviewed papers from the International Scientific Applied Conference "Problems of Emergency Situations" (PES 2021), May 20, 2021, Kharkiv, Ukraine

Edited by: Volodymyr Andronov

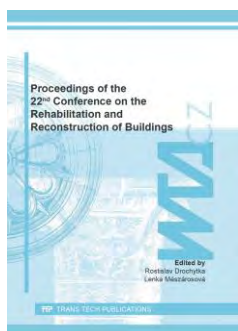
Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Civil Engineering, Construction, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Building Materials, Chemical Technology, Coating, Composite, Emergency Prevention, Environmental Safety, Fire Protection, Functional Materials, Polymer, Steel, Surface Treatment, Wastewater Treatment

Prices: Print: **US\$ 297.00/ EUR 297.00** Print: 978-3-0357-1889-8
 eBook Single-User: **US\$ 198.00/ EUR 198.00** eBook: 978-3-0357-3889-6
 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 566 pages, 2021

<https://www.scientific.net/978-3-0357-1889-8/book>



Proceedings of the 22nd Conference on the Rehabilitation and Reconstruction of Buildings

Selected, peer-reviewed papers from the 22nd Conference on the Rehabilitation and Reconstruction of Buildings (CRRB), November 19, 2020, Brno, Czech Republic

Edited by: Rostislav Drochytka and Lenka Mészárosóvá

Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Manufacturing, Materials Science, Mechanics

Keywords: Bearing Capacity, Buildings, Coating, Concrete, Cultural Heritage, Drainage System, Fire Protection, Geological Conditions, Masonry, Material Composition, Reconstruction, Rehabilitation, Soil, Ventilation, Wooden Materials

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 eBook Single-User: **US\$ 88.00/ EUR 88.00** eBook: 978-3-0357-3778-3
 eBook Multi-User: **US\$ 154.00/ EUR 154.00** 98 pages, 2021

<https://www.scientific.net/978-3-0357-1823-2/book>



Properties and Processing Technologies

Selected, peer-reviewed papers from the International Conference on Advances in Material Science and Mechanical Engineering (ICAMSME - 2020), February 7-9, 2020, Vidyanagar, India

Edited by: Prof. K. Hemachandra Reddy and Prof. Vikram Kumar Chintamreddy

Conference Proceedings

Topics: Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Additive Manufacturing, Alloy, Composites, Functional Materials, Metal Matrix Composites, Nanocomposites, Polymers, Steel, Thin Films, Ultrasonic Stir Casting, Welding

Prices: Print: **US\$ 154.00/ EUR 154.00**
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Print: 978-3-0357-1734-1
eBook: 978-3-0357-3734-9
154 pages, 2021

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Recent Developments in Materials and its Applications

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Special Topic

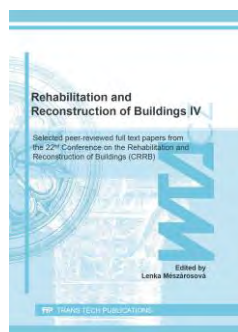
Topics: Bioscience and Medicine, Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Cement, Centrifugal Casting, Concrete, Hardening, Hollow Sandcrete, Mechanical Properties, Microstructure, Steel

Prices: Print: **US\$ 94.00/ EUR 94.00**
eBook Single-User: **US\$ 110.00/ EUR 110.00**
eBook Multi-User: **US\$ 193.00/ EUR 193.00**

Print: 978-3-0357-1761-7
eBook: 978-3-0357-3761-5
94 pages, 2021

<https://www.scientific.net/978-3-0357-1761-7/book>



Rehabilitation and Reconstruction of Buildings IV

Selected, peer-reviewed papers from the 22nd Conference on the Rehabilitation and Reconstruction of Buildings (CRRB), November 19, 2020, Brno, Czech Republic

Edited by: Lenka Mészárosóvá

Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Materials Science, Mechanics

Keywords: Building Failure, Building Reconstruction, Cement, Coating, Composite, Concrete, Damage, Defect, Fire Safety, Grouting Material, Polymer, Reinforced Mortar, Wood Properties, Wooden Structure

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124 pages, 2021

<https://www.scientific.net/978-3-0357-1810-2/book>



Sheet Metal 2021

Selected, peer-reviewed papers from the 19th International Conference on Sheet Metal (SheMet 2021), March 29-31, 2021, Erlangen, Germany

Edited by: M. Merklein, J. Duflou, L. Fratini, H. Hagenah, P. Martins, G. Meschut and F. Micari

Conference Proceedings

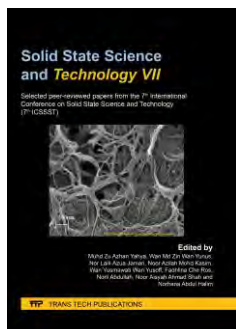
Topics: Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Bending, Bonding, Forming, Friction, Hardness, Incremental Forming, Joining, Mechanical Properties, Rolling, Sheet Metal, Simulation, Steel, Stress, Surface, Welding

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Print: 978-3-0357-1693-1
eBook: 978-3-0357-3693-9
332 pages, 2021

<https://www.scientific.net/978-3-0357-1693-1/book>



Solid State Science and Technology VII

Selected, peer-reviewed papers from the 7th International Conference on Solid State Science and Technology 2019 (7th ICSSST 2019), November 11-13, 2019, Putrajaya, Malaysia

Edited by: Muhd Zu Azhan Yahya, Wan Md Zin Wan Yunus, Nor Laili Azua Jamari, Noor Azilah Mohd Kasim, Wan Yusmawati Wan Yusoff, Fadhlin Che Ros, Norli Abdullah, Dr. Noor Aisyah Ahmad Shah and Norhana Abdul Halim

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Electronics, Environmental Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Batteries, Biomaterials, Ceramics, Coatings, Composites, Computational Methods, Corrosion, Electrochemistry, Electrodes, Electrolytes, Ferrites, Fuel Cells, Glass, Magnetic Properties, Manganites, Nanomaterials, Nanotechnologies, Optical Properties, Polymers, Semiconductors, Structural Materials, Thin Films

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eBook Multi-User: **US\$ 347.00/ EUR 347.00**

Print: 978-3-0357-1580-4
eBook: 978-3-0357-3580-2
586 pages, 2021

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Spallation Materials Technology

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Edited by: Prof. Kenji Kikuchi

Special Topic

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

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168 pages, 2021

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Structural and Smart Materials IV

Selected, peer-reviewed papers from the 6th International Conference on Mechanical Structures and Smart Materials (ICMSSM), July 25-26, 2020, Ho Chi Minh City, Vietnam

Edited by: Kheng Lim Goh

Conference Proceedings

Topics: Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloy, Bearing Capacity, Catalyst, Coatings, Composites, Computational Analysis, Contact Fatigue, Crack Propagation, Esterification, Fatigue, Friction Stir Welding, Laser Cladding, Laser Welding, Nanoparticles, Polishing, Polymers, Solidification, Steel, Superalloy, Surface Grinding, Tribology, Wear

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258 pages, 2021

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Technologies of Sustainable Development

Selected, peer-reviewed papers from the 3rd Borneo International Conference on Applied Mathematics and Engineering 2020 (3rd BICAME 2020), September 9-10, 2020, Balikpapan, Indonesia

Edited by: Andromeda Dwi Laksono

Conference Proceedings

Topics: Bioscience and Medicine, Civil Engineering, Construction, Environmental Engineering, Industrial Engineering, Information Technologies, Manufacturing, Materials Science, Mechanical Engineering, Transportation

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Print: 978-3-0357-1804-1
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126 pages, 2021

<https://www.scientific.net/978-3-0357-1804-1/book>



The 27th International Conference Concrete Days

Selected, peer-reviewed papers from the 27th International Conference Concrete Days 2020, December 2nd, 2020, Prague, Czech Republic

Edited by: Šárka Nenadálová and Petra Johová

Conference Proceedings

Topics: Building Materials, Civil Engineering, Construction, Industrial Engineering, Materials Science, Mechanics

Keywords: Admixture, Bridge Construction, Cement, Concrete, Modular Construction, Pit Excavation, Reinforce Concrete, Restoration, Structural Mechanics

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<https://www.scientific.net/978-3-0357-1773-0/book>



THERMEC 2021

Selected, peer-reviewed papers from the International Conference on Processing & Manufacturing of Advanced Materials Processing, Fabrication, Properties, Applications (THERMEC 2021), May 10-14, 2021, Vienna, Austria

Edited by: Mihail Ionescu, Christof Sommitsch, Assoc. Prof. Dr. Cecilia Poletti, Ernst Kozeschnik and Tara Chandra

Conference Proceedings

Topics: Bioscience and Medicine, Electronics, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Biomedical Application, Coating, Crystallography, Hardness, Laser Processing, Manufacturing, Mechanical Processing, Mechanical Properties, Microstructure, Recrystallization, Surface Engineering, Thermal Treatment, Welding

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 1944 pages, 2021

<https://www.scientific.net/978-3-0357-1630-6/book>



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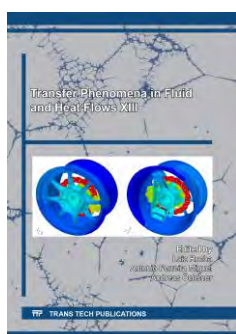
Special Topic

Topics: Construction, General Engineering, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Convection, Diffusion, Entropy, Forced Imbibition, Heat Transfer, Magnetic Field, Magnetohydrodynamic Flow, Mass Transfer, Modelling, Nanofluid, Numerical Investigation, Porous Media, Stagnation Point, Surface Radiation, Thermo-Physical Properties, Ventilation

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<https://www.scientific.net/978-3-0357-1478-4/book>



Transfer Phenomena in Fluid and Heat Flows XIII

Special topic volume with invited peer-reviewed papers only

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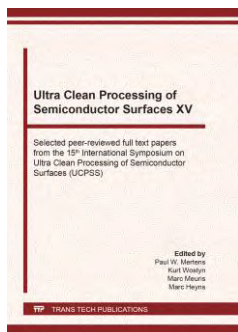
Special Topic

Topics: Building Materials, Civil Engineering, Environmental Engineering, General Engineering, Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Additive Manufacturing, Drying, Heat Dissipation, Heat Transfer, Mass Transfer, Numerical Simulation, Solar Energy, Water Treatment, Wave Energy

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 eBook Multi-User: **US\$ 347.00/ EUR 347.00** 228 pages, 2021

<https://www.scientific.net/978-3-0357-2773-9/book>



Ultra Clean Processing of Semiconductor Surfaces XV

Selected, peer-reviewed papers from the 15-th International Symposium on Ultra Clean Processing of Semiconductor Surfaces (UCPSS), April 12-15, 2021, Mechelen, Belgium

Edited by: Paul W. Mertens, Kurt Wostyn, Marc Meuris and Marc Heyns

Conference Proceedings

Topics: Electronics, Manufacturing, Materials Science, Nanoscience

Keywords: Cleaning, Etching, Integrated Circuit, Megasonic Agitation, Nanoelectronics, Semiconductor, Surface, Surface Chemistry, Surface Preparation, Surface Processing

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 eBook: 978-3-0357-3801-8
 340 pages, 2021

<https://www.scientific.net/978-3-0357-1801-0/book>



Workshop Advances in Materials Sciences

Selected, peer-reviewed papers from the III International Conference on Advanced Technologies in Aerospace, Mechanical and Automation Engineering - MIST: Aerospace-III (AMS-Workshop), November 20-21, 2020, Krasnoyarsk, Russian Federation

Edited by: Igor Kovalev

Conference Proceedings

Topics: Bioscience and Medicine, Building Materials, Manufacturing, Materials Science, Mechanical Engineering, Mechanics, Nanoscience

Keywords: Alloys, Bending Deformation, Carbon Nanomaterials, Corrosion Damage, Covering, Crystallization, Defect, Deformation, Dispersed Materials, Fiberglass, Hardening, Mechanical Processing, Mechanical Properties, Metallurgy, Polymer Composite Materials, Steel, Strength, Stress-Deformed State, Surface Quality, Wear Resistance

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 264 pages, 2021

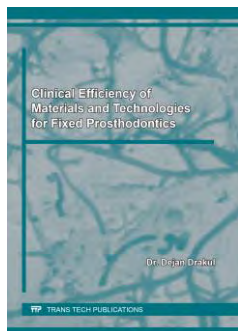
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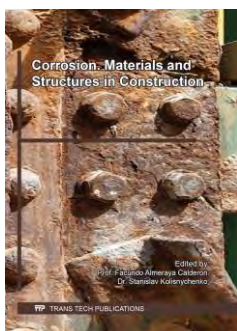
Edited by: Dr. Jacek Tomków and Dr. Stanislav Kolisnichenko

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Aluminium, Analytical Modeling, Butt Weld, Dissimilar Joint, Equipment, Friction Stir Forming, Friction Stir Processing, Friction Stir Welding, Friction Welding, Lap Joint, Mechanical Properties, Metal Matrix Composite, Microstructure, Numerical Simulation, Process Parameters, Steel, Surface Smoothing, Thermal Model, Tool, Weld Zone

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Corrosion. Materials and Structures in Construction

Volume in the series: 23

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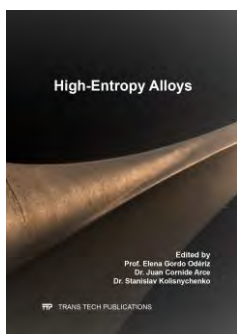
Edited by: Prof. Facundo Almeraya Calderon and Dr. Stanislav Kolisnichenko

Topics: Building Materials, Civil Engineering, Construction, Manufacturing, Materials Science, Mechanics

Keywords: Alloy, Anti-Corrosive Paint, Biocorrosion, Brine Solution, Building Structure, Cathodic Protection, Coated Rebar, Coating, Concrete, Corroded Reinforcement, Corrosion, Corrosion Rate, Corrosion Resistance, Corrosive Environment, Electrochemical Behaviour, Inhibition, Mechanical Properties, Sacrificial Anode, Steel

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High-Entropy Alloys

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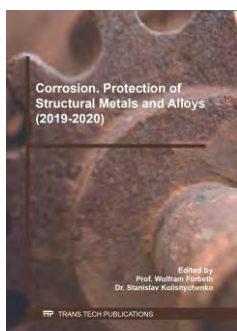
Edited by: Prof. Elena Gordo Odériz, Dr. Juan Cornide Arce and Dr. Stanislav Kolisnichenko

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Composite, High-Entropy Alloy, High-Entropy Alloy Coating, High-Pressure Torsion, Interdiffusion, Laser Cladding, Mechanical Alloying, Mechanical Properties, Microstructure, Phase Formation, Powder, Severe Plastic Deformation, Spark Plasma Sintering, Welding

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Corrosion. Protection of Structural Metals and Alloys (2019-2020)

Volume in the series: 21

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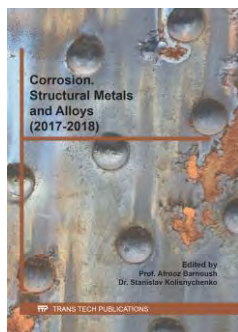
Edited by: Prof. Wolfram Förlbath and Dr. Stanislav Kolisnichenko

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Anodising, Anti-Corrosive Paint, Coatings, Conversion Coating, Conversion Treatment, Corrosion, Corrosion Inhibitor, Corrosion Protection, Corrosion Resistance, Corrosive Environment, Electrochemical Behaviour, Electrodeposition, Electrophoretic Deposition, Electroplating, Galvanising, High-Temperature Corrosion, Micro-Arc Oxidation, Oxide Film, Passivation, Plasma-Electrolytic Oxidation, Self-Healing, Steel, Surface Treatment

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Corrosion. Structural Metals and Alloys (2017-2018)

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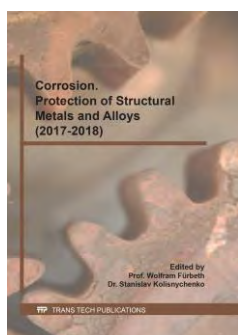
Edited by: Prof. Afrooz Barnoush and Dr. Stanislav Kolisnychenko

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Corrosion, Corrosion Rate, Corrosion Resistance, Corrosive Environment, Crevice Corrosion, Electrochemical Behaviour, Electrochemical Corrosion Properties, Electrochemical Impedance Spectroscopy, Heat Treatment, High-Temperature Corrosion, Hydrogen Embrittlement, Intergranular Corrosion, Manufacturing Process, Mechanical Properties, Oxidation, Pitting, Potentiodynamic Polarization, Rust, Stainless Steel, Steel, Stress Corrosion Cracking, Surface Modification

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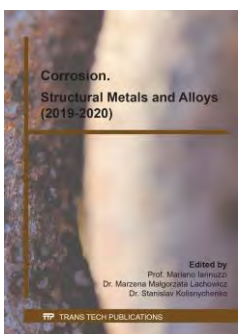
Edited by: Prof. Wolfram Fürbeth and Dr. Stanislav Kolisnychenko

Topics: Manufacturing, Materials Science, Mechanical Engineering, Mechanics

Keywords: Alloy, Anodising, Anti-Corrosive Paint, Cathodic Protection, Coatings, Conversion Coating, Conversion Treatment, Corrosion, Corrosion Inhibitor, Corrosion Protection, Corrosion Resistance, Corrosive Environment, Electrochemical Behaviour, Electrodeposition, Electrophoretic Deposition, Electroplating, Galvanising, High-Temperature Corrosion, Micro-Arc Oxidation, Oxide Film, Passivation, Plasma-Electrolytic Oxidation, Sacrificial Anode, Steel, Surface Treatment

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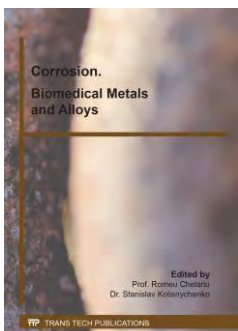
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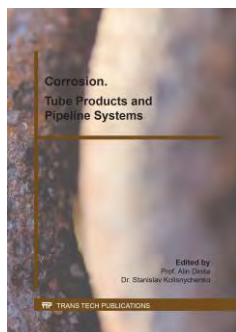
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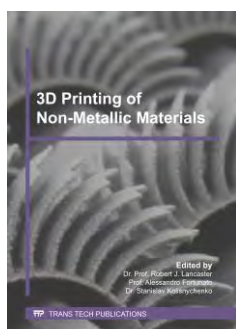
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