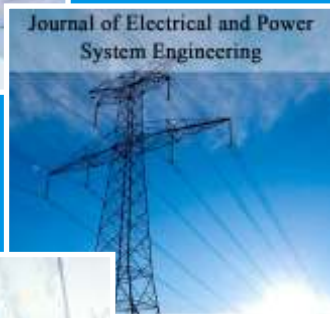


# CATALOGUE-2015



# MAT Journals

**MAT**  
JOURNALS

# MAT Journals



## Journal of electronic design engineering

### *Focus and Scope*

- ✦ Electricity, electronics, and electromagnetism
- ✦ Microelectronics
- ✦ Signal Processing
- ✦ Telecommunications
- ✦ Global Positioning System to electric power generation
- ✦ Electron tubes, and semiconductor devices, especially transistors
- ✦ Solid-state physics
- ✦ Radio engineering



## Journal of Remote Sensing GIS & Technology

### *Focus and Scope*

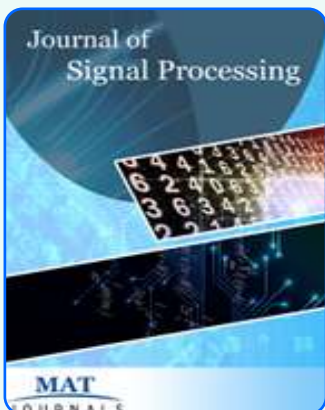
- ✦ Resourcesat, Cartosat, Oceansat.
- ✦ Biodiversity Characterisation.
- ✦ Coastal Studies, Coral and Mangroves Studies.
- ✦ Electromagnetic spectrum.
- ✦ Orthorectification.
- ✦ GDAL and OSSIM.
- ✦ Radar.
- ✦ Hyperspectral.



## Journal of Communication Engineering and Its Innovations

### *Focus and Scope*

- ✦ Design and fabrication of devices
- ✦ Installation, operation and maintenance of electronics equipments and systems
- ✦ Embedded systems
- ✦ Electronic equipments
- ✦ Process industries- For instrumentation and control of electronic devices.
- ✦ Manufacturing- PCB, IC

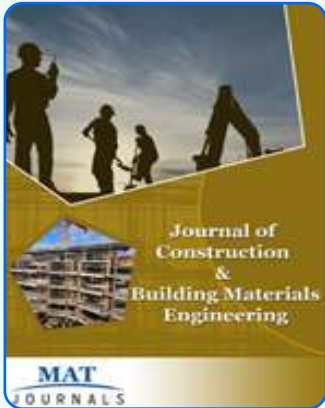


## Journal of Signal Processing

### *Focus and Scope*

- ✦ DIGITAL O/P.
- ✦ Control and system identification.
- ✦ integrated circuit technology such as VLSI of electronic circuits.
- ✦ Channel equalisation.
- ✦ Wavelet transforms.
- ✦ Adaptive filtering.
- ✦ Echo cancellation.

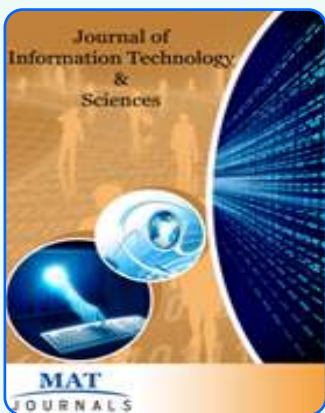
# MAT Journals



## Journal of Construction and Building Materials Engineering

### *Focus and Scope*

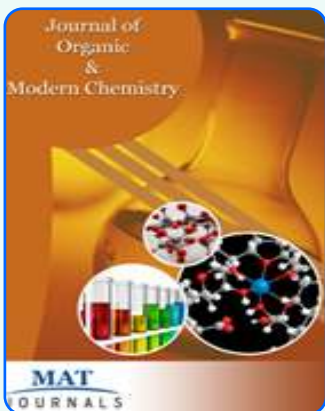
- ✦ Recyclability of construction works.
- ✦ Construction Products Directive.
- ✦ Construction Products Regulation.
- ✦ Mechanical resistance and stability.
- ✦ Safety in case of fire.
- ✦ Hygiene, health and the environment.
- ✦ Safety and accessibility in use.
- ✦ Protection against noise.



## Journal of Information Technology and Sciences

### *Focus and Scope*

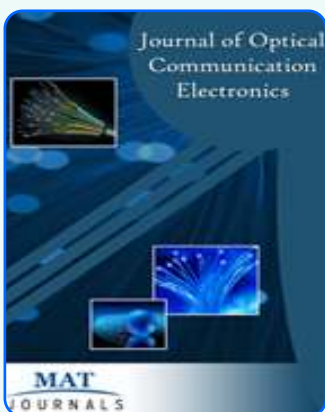
- ✦ Analysis, collection, classification information
- ✦ Manipulation, storage, retrieval of information.
- ✦ Movement, and dissemination of information.
- ✦ Information theory.
- ✦ Timeliness, relevance, and readability.
- ✦ Human-computer interaction.
- ✦ Value-sensitive design.



## Journal of Organic and Modern Chemistry

### *Focus and Scope*

- ✦ Petrochemical
- ✦ Pharmaceutical
- ✦ Textile industries
- ✦ Synthesis of new organic molecules and polymers
- ✦ Hydrocarbons
- ✦ Biochemistry



## Journal of Optical Communication Electronics

### *Focus and Scope*

- ✦ Electronic devices.
- ✦ Optical signal.
- ✦ Optical wireless communication.
- ✦ Optical communication system.
- ✦ Color codes or flashed in a Morse code sequence.
- ✦ Free-space optical communication.
- ✦ Optical fiber.
- ✦ Photophone.

# MAT Journals



## Journal of Computer Science Engineering and Software Testing

### *Focus and Scope*

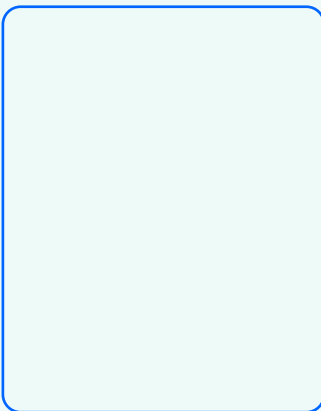
- ✦ Development, operation, and maintenance of software
- ✦ Computer programming
- ✦ Systems analysis
- ✦ Information hiding
- ✦ Software bugs
- ✦ Computer hardware platform
- ✦ Source data, or interacting with different software



## Journal of Astronautics and Aerospace Engineering

### *Focus and Scope*

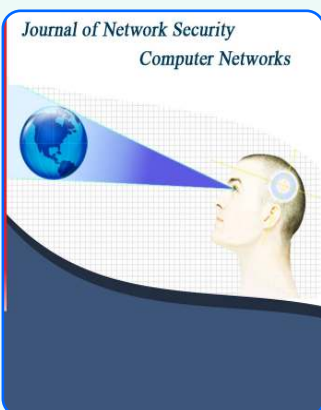
- ✦ Study of spacecraft, missiles, rocket-propulsion systems.
- ✦ Study of aerodynamic.
- ✦ Rocket science.
- ✦ Atmospheric pressure.
- ✦ Structural analysis.
- ✦ Materials science.



## Journal of Alternative and Renewable Energy Sources

### *Focus and Scope*

- ✦ Renewable energy
- ✦ Alternative energy
- ✦ What is Biomass
- ✦ Biodiesel
- ✦ industrial socialisation
- ✦ Rivers and Hydro Electricity
- ✦ Wind Energy
- ✦ Photovoltaic (PV) systems



## Journal of Network Security Computer Networks

### *Focus and Scope*

- ✦ Antivirus software
- ✦ Secure coding
- ✦ Security by design
- ✦ Secure operating systems
- ✦ Access Control Systems
- ✦ Application security
- ✦ Authentication
- ✦ Firewall (computing)

# MAT Journals

Journal of Mechanical  
and Mechanics Engineering



## Journal of Mechanical and Mechanics Engineering

### *Focus and Scope*

- ✦ Statics and dynamics
- ✦ Strength of materials and solid mechanics
- ✦ Materials Engineering, Composites
- ✦ Thermodynamics, heat transfer, energy conversion, and HVAC
- ✦ Fuels, combustion, Internal combustion engine
- ✦ Fluid mechanics (including fluid statics and fluid dynamics)
- ✦ Mechanism and Machine design
- ✦ Instrumentation and measurement

Journal of Control System  
and Control Instrumentation



## Journal of Control System and Control Instrumentation

### *Focus and Scope*

- ✦ Modular Instrument System
- ✦ Types of Instrument Control Systems
- ✦ Stand-Alone Instrument Systems
- ✦ Hybrid Systems
- ✦ Programmable logic controllers
- ✦ Microcontrollers
- ✦ pulse-width modulation
- ✦ PID control

Journal of VLSI Design and  
Signal Processing



## Journal of VLSI Design and Signal Processing

### *Focus and Scope*

- ✦ Electronic design automation
- ✦ Embedded systems
- ✦ Application-specific integrated circuit
- ✦ Fairchild Semiconductor
- ✦ Electronic design automation
- ✦ Semiconductor device
- ✦ Audio signal processing
- ✦ Speech signal processing

Journal of Nano  
Science Engineering  
and Trends



## Journal of Nano Science Engineering and Trends

### *Focus and Scope*

- ✦ Quantum mechanical.
- ✦ Molecular nanotechnology.
- ✦ Microfabrication.
- ✦ Semiconductor physics.
- ✦ Molecular biology.
- ✦ Organic chemistry.
- ✦ Surface science.
- ✦ Implications of nanotechnology.

# MAT Journals

## Journal of Nanotechnology and Nano-Engineering



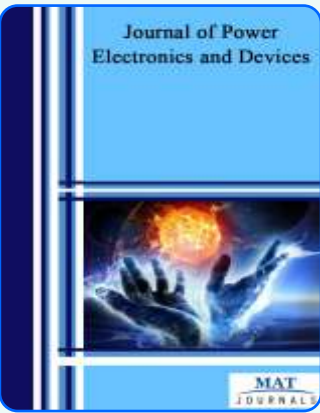
MAT  
JOURNAL

## Journal of Nanotechnology and Nano-Engineering

### *Focus and Scope*

- ✦ Picoengineering
- ✦ Scanning tunneling microscope
- ✦ Molecular self-assembly
- ✦ Nanotubes in Electronics
- ✦ Tiny Testing
- ✦ Atomic force microscope
- ✦ Nanoscale materials

## Journal of Power Electronics and Devices



MAT  
JOURNAL

## Journal of Power Electronics and Devices

### *Focus and Scope*

- ✦ Semiconductor.
- ✦ Diodes.
- ✦ Thyristors.
- ✦ Transistors.
- ✦ Analysing various types of converters.
- ✦ Understanding the Applications of power electronic circuits.

## Journal of Civil and Construction Engineering



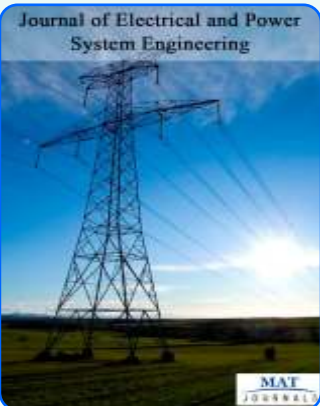
MAT  
JOURNAL

## Journal of Civil and Construction Engineering

### *Focus and Scope*

- ✦ Architectural engineering
- ✦ Environmental engineering
- ✦ Building materials
- ✦ Geotechnical engineering
- ✦ Hydraulics, water resources and irrigation engineering
- ✦ Water supply and sanitary engineering
- ✦ Transportation engineering
- ✦ Estimation and specification

## Journal of Electrical and Power System Engineering



MAT  
JOURNAL

## Journal of Electrical and Power System Engineering

### *Focus and Scope*

- ✦ Thermodynamics
- ✦ Electrical machines and design
- ✦ Digital Electronics
- ✦ Electrical Engg. Materials
- ✦ Instrumentation
- ✦ Electrical network and communication systems
- ✦ Power and control systems

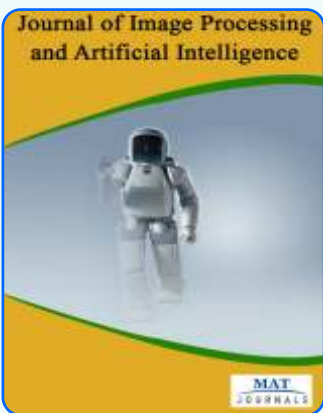
# MAT Journals



## Journal of Control and Instrumentation Engineering

### *Focus and Scope*

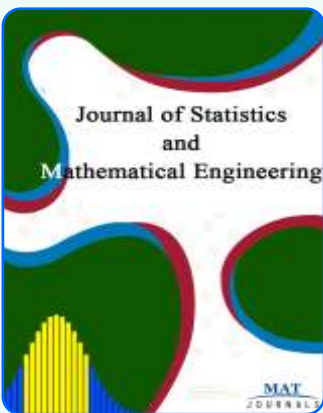
- ✦ Thermometers.
- ✦ Advanced process control.
- ✦ Distributed control systems.
- ✦ Programmable logic controllers.
- ✦ Supervisory control and data acquisition.



## Journal of Image Processing and Artificial Intelligence

### *Focus and Scope*

- ✦ Adaptive Agents and Intelligent Robotics
- ✦ Artificial Life
- ✦ Computer Graphics
- ✦ Computer Vision
- ✦ Expert Systems
- ✦ Image Processing
- ✦ Natural Language Processing
- ✦ Neural, Evolutionary and Fuzzy Computation



## Journal of Statistics and Mathematical Engineering

### *Focus and Scope*

- ✦ Descriptive statistics.
- ✦ Inferential statistics.
- ✦ Natural experiments.
- ✦ Observational studies.
- ✦ Statistical theorists.
- ✦ Probability distributions.
- ✦ Decision theory.
- ✦ Algebra.



## Journal of Chemical Engineering and Its Innovation

### *Focus and Scope*

- ✦ Nanotechnology.
- ✦ Bioengineering.
- ✦ Fluid dynamics.
- ✦ Food engineering.
- ✦ Process development.
- ✦ Plastics engineering.
- ✦ Molecular engineering.
- ✦ Natural environment.



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