

# **TAGRA 2024**



**Saturday, December 21, 2024 - Sunday, December 22, 2024**

**Erzurum, Turkiye**

## **Scientific Program**

## **Other Fields**

**Other Research Fields**

## **Nano-Science and Nanotechnology**

**Nanofluids**

**Nanofabrication and nanoprocessing**

**Nanomaterials, Characterization and Applications**

**Nanoelectronics and Devices**

## **Applied Mathematics, Computational Science, Computing and Data Science**

**Artificial Intelligence and Machine Learning Applications**

**Computational Science and Big Data**

**Quantum Computing and Emerging Technologies**

**Mathematical Modeling and Simulation**

**Statistics and Data Analysis**

**Applied Probability and Optimization**

## **Materials, Manufacturing and Mechanical Engineering**

## **Advanced Materials**

**Advanced Manufacturing and Materials Processing**

**Mechanical Engineering: Energy and Thermodynamics**

**Mechanical Engineering: Dynamics and Vibration Analysis**

## **Energy, Environment and Sustainability**

**Renewable Energy and Sustainable Development**

**Environmental Science and Climate Change**

**Agricultural and Food Science Innovations**

**Marine Sciences**

## **Electronics, Telecommunications, and Control Systems**

**Electronics and Embedded Systems**

**Automation and Control Systems**

**Telecommunications and Wireless Networks**

## **Biomedical Sciences and Biotechnology**

**Biomedical Engineering and Biotechnology**

**Health Sciences and Medical Physics**

**Pharmacology**

## **Physics, Chemistry, and Applied Sciences**

**Theoretical and Applied Physics**

**Chemical Engineering and Process Technology**

**Earth and Environmental Sciences**

## **Civil Engineering, Infrastructure, and Urban Development**

**Civil Engineering and Smart Infrastructure**

**Construction Technology and Structural Engineering**

**Geospatial Science and Remote Sensing**

## **Industrial Engineering, Ergonomics, and Human Factors**

**Industrial Engineering and Operations Research**

**Human Factors and Ergonomics**

**Supply Chain and Systems Engineering**