



International Conference

On

“Engineering, Sciences, Agriculture, Environment, Humanities and Business Management, (ESAEB-2019)”

Organized by & Conference Venue

Sukh Chandra Mishra Industrial Training Institute,

(A unit of “Dr. Govind Chandra Mishra Educational Foundation”)

Paktola, Rarhi, Darbhanga Bihar, India, PIN-847302

on

16th March, 2019

Supported by:



**Krishi Sanskriti
Publications**

Dr. G.C. Mishra,
Chairman,
S.C. Mishra ITI
(Patron in Chief)

Amit Kumar
Principal,
S.C. Mishra ITI
(Organizing Secretary)

Call for Papers and Conference Themes

The International Conference on “Engineering, Sciences, Agriculture, Environment, Humanities and Business Management, (ESAEB-2019) on March 16th, 2019 in Paktola, Rarhi, Darbhanga Bihar, India aims to bring together academia, researchers and students in order to exchange and share their experiences and research results about all aspects of specialized and interdisciplinary fields. This event provides an opportunity for all to network, share ideas and also present their research work. In addition, discussion on the latest innovations, trends and practical concerns and challenges faced in these fields are also encouraged.

All contribution should be of high quality, Original and not published elsewhere or submitted for publication. During the review period, Papers will be reviewed by eminent scholars in the respective areas all selected papers will be published as chapters in edited book/conference proceeding with ISBN No. and few high-end papers will be published in international journal having ISSN No. which will be issued to authors on the day of conference. **There will be best paper presentation awards in Oral/Poster category.**

Topics of interest for submission include, but are not limited to:

Track No.1: Engineering/ Technology

Theme 1: Mechanical, Aeronautical and Automobile Engineering

Mechanical Properties of Materials

- ✓ Advanced Characterization
- ✓ Electronic Materials
- ✓ Materials for Energy and Environmental Applications
- ✓ Organic Polymer Materials

New Materials and Advanced Materials

- ✓ Non-ferrous Metal material
- ✓ Iron and Steel
- ✓ Composites
- ✓ Biomaterials
- ✓ Polymeric Materials

Production and Mechanical Engineering

- ✓ Advanced and Digital Manufacturing
- ✓ Applied Mechanics
- ✓ Biomechanics
- ✓ Composite and Smart Materials
- ✓ Fluid Mechanics and Machinery

Mechatronics

- ✓ Design, Modeling and Simulation of Mechatronic systems
- ✓ Mechatronic Education

Machine Design

- ✓ Actuator Systems
- ✓ Coatings and Surface Modification
- ✓ Cutting/ Forming/ Grinding/ Polishing
- ✓ Design for Manufacturability (DFM)

Manufacturing Engineering

- ✓ Advanced Design, Production Processes and Devices
- ✓ Design of Machines and its Applications
- ✓ Engineering Design Methodology and Design Models

Automation and Equipment Manufacturing

- ✓ Advanced NC Techniques and Equipment
- ✓ Embedded System
- ✓ Industrial Robotics and Automation
- ✓ Intelligent automation

Engineering and Automation

- ✓ Advances in Metal Forming
- ✓ Advances in Quality Control in Multistage Manufacturing Systems

Aerospace Engineering (Aeronautical and Astronautical)

- ✓ Advanced In-Space Propulsion & Power Concepts
- ✓ Aero elasticity and Space faring
- ✓ Aerospace Propulsion Systems
- ✓ Aerospace Structures and Materials
- ✓ Aircraft Design and Technology
- ✓ Atmospheric Flight Dynamics
- ✓ Flight Dynamics, Control and Performance
- ✓ Spacecraft Design and Technology
- ✓ Unmanned Air Vehicle

Nanotechnology: Fundamentals and Applications

- ✓ Computational nanoscience and nanotechnology

Theme 2: Electrical and Electronics Engineering

Electrical engineering

- ✓ Automation, control and instrumentation
- ✓ Electrical and electronic materials
- ✓ Power management system
- ✓ Transmission lines

Power & Control Systems

- ✓ Advanced Power Semiconductors
- ✓ Analysis of Power Quality and System Stability
- ✓ Circuits and Electronics
- ✓ Control Science and Control Engineering
- ✓ Converter/Inverter Topologies
- ✓ Electric Drivers and Application
- ✓ Electrical Machinery, Motor Drives and Power Electronics
- ✓ Embedded Systems and Software
- ✓ Industrial power systems
- ✓ Power Distribution

Power Generation – Conventional and Renewable

- ✓ Hydropower technologies and applications
- ✓ Thermal power technologies and applications
- ✓ Bio-energy technologies, process and utilization
- ✓ New technologies and design for energy efficiency
- ✓ Wind, Solar and Renewable Energy Sources

Power Transmission and Distribution

- ✓ Ultra High Voltage (UHV) technologies
- ✓ HVDC and flexible AC transmission system
- ✓ Over-voltage, lightning protection and grounding

Photonics, Optoelectronics and Quantum Electronics

- ✓ 3D Semiconductor Device Technology
- ✓ Advanced Electromagnetics
- ✓ Digital Electronics
- ✓ Digital Signal and Image Processing etc
- ✓ Electronics & Nano Electronics
- ✓ Fiber-optic sensor and networks
- ✓ Instrumentation engineering

Smart Grid Technologies

- ✓ Concept and structural framing
- ✓ Dynamic optimization and control
- ✓ Smart appliances and consumer devices

Advanced Communication

- ✓ e-Governance, e-Government, e-Commerce, e-Learning, e-Health
- ✓ Network Management, Operation and Maintenance

Theme 3: Computer Science and Information Technology

Software Engineering

- ✓ Component Based Software Engineering,
- ✓ Mobile Learning
- ✓ Augmented Learning,
- ✓ Virtual Learning
- ✓ Blended learning
- ✓ Cloud Computing for E-Learning
- ✓ E-Learning Portals

Information Technology

- ✓ Artificial Intelligence and Machine Learning,
- ✓ Computational Intelligence,
- ✓ E-Learning & E-Business,
- ✓ Fuzzy, ANN & Expert Approaches,
- ✓ Information systems & Applications,
- ✓ Management Information Systems,

Computer Graphics and Modeling

- ✓ Geometric Algorithms,
- ✓ Surface Modeling,

Image and Image Processing

- ✓ Digital Photography,
- ✓ Image Acquisition Techniques,
- ✓ Image Data Management,
- ✓ Internet Imaging,

Databases

- ✓ Data Mining and Warehousing,
- ✓ Database and Information Systems,
- ✓ Distributed Databases,
- ✓ Text Mining,
- ✓ Web Databases and Filtering,

Algorithms

- ✓ Fault Tolerant Algorithms,
- ✓ Optimization Algorithms,
- ✓ Fuzzy logic based system,
- ✓ High Performance Computing,
- ✓ Nano Computing,

Communications

- ✓ Ad hoc and sensor networking,

- ✓ Cognitive science,
- ✓ Optical networks and systems,
- ✓ Wireless communications and networking

Theme 4: Civil, Architecture Engineering

Architecture and Civil Engineering

- ✓ Buildings, urban life and environment
- ✓ City Planning and daily life
- ✓ Modern architecture as a new way of producing space
- ✓ Multidisciplinary Studies on architecture
- ✓ Sustainable design, construction and development
- ✓ Constructional Safety
- ✓ Pre-Stressed concrete Box girders
- ✓ Seismic Analysis Of Structures (Bridges)
- ✓ Seismic Retrofitting In Buildings
- ✓ Smart Materials
- ✓ Smart Structures

Architecture and Urban Planning

- ✓ Architectural Design and Theories
- ✓ Architectural Engineering

Civil, Structural and Material Engineering

- ✓ Bridge and Tunnel Engineering
- ✓ Chloride Corrosion in Concrete Beams
- ✓ Civil Engineering Materials

Materials Science and Engineering

- ✓ New constructive Techniques and Systems
- ✓ New Structure and Special Structure
- ✓ Non-Destructive Testing
- ✓ Urban Transportation Planning
- ✓ Water Supply and Drainage Engineering

Transportation and Urban Infrastructure:

- ✓ Highway and traffic engineering
- ✓ Road structure and pavement

Track No. 2: Sciences

Physical Sciences

Condensed Matter Physics

- ✓ Computational solid state physics
- ✓ Crystallography
- ✓ Semiconductors physics and devices

Engineering and Industrial Physics, Instrumentation

Metrology and Standards

- ✓ Medical/biological physics, health physics
- ✓ Advances in instrumentation and techniques
- ✓ Applications of microscopy and imaging techniques in the physical sciences
- ✓ Applied non-linear physics
- ✓ Biomedical image processing and analysis
- ✓ Finite element analysis
- ✓ Microelectro mechanical Systems (MEMS)
- ✓ Optimization techniques
- ✓ Separation and purification processes

Physics and material science

- ✓ Applied Solid State Physics/Chemistry and Materials
- ✓ Science and Technology Advanced Materials
- ✓ Physical Chemistry
- ✓ Semiconductors devices and Photonics,
- ✓ Opto-electronics

Theme II: Mathematics/ Statistics

- ✓ Computational Mathematics, Computational
- ✓ Geometry & Statistics
- ✓ Difference and Functional Equations
- ✓ Discrete Mathematics
- ✓ Fuzzy mathematics and its applications
- ✓ General Algebraic Systems

- ✓ Integral Equations
- ✓ Lattices, Algebraic Structures
- ✓ Measure Theory and Integration
- ✓ Operations Research, Optimization
- ✓ Operator Theory
- ✓ Ordinary and Partial Differential Equations

Applied Mathematics & Statistics

- ✓ Engineering Mathematics
- ✓ Logistics Management
- ✓ Operation Research

Geometry & Its Applications

- ✓ Geometry & Its Application
- ✓ Differential Geometry
- ✓ Kinematics

Algebraic Statistics & Its Applications

- ✓ Algebra & Mathematical Logic
- ✓ Algebraic Geometry
- ✓ Algebraic Statistics & Its Applications
- ✓ Financial Mathematics & Computation
- ✓ Functional Analysis
- ✓ Mathematical Actuary
- ✓ Mathematical Methods in Continuum Mechanics
- ✓ Number Theory
- ✓ Operator Algebra
- ✓ Ordinary Differential Equation
- ✓ Probability & Statistics Applications
- ✓ Probability Theory & Mathematical Statistics
- ✓ Stochastic Process

Track No. 3: Agriculture

- ✓ Agro-ecology
- ✓ Forestry
- ✓ Horticulture
- ✓ Aquaculture
- ✓ Animal Science
- ✓ Food & Nutrition Sciences
- ✓ Biodiversity
- ✓ Climate Change and Environmental Engineering
- ✓ Environmental sustainability
- ✓ Crop science
- ✓ Soil science
- ✓ Aquaculture

Track No. 4: Energy and Environment

Energy Science and Technology

- ✓ Alternative transportation fuels, sustainable transport
- ✓ Appropriate energy technologies for rural development,
- ✓ Clean coal technology and IGCC, fluidized bed systems
- ✓ CO₂ Capture and Storage, CO₂ and Emission Issues,
- ✓ Combustion system modeling and analysis, clean combustion
- ✓ Corporate Social Responsibility initiatives for energy management
- ✓ Development and Utilization of Biomass Energy
- ✓ Development and Utilization of Wind Energy
- ✓ Driving investment in power and renewable assets
- ✓ Eco-friendly power projects
- ✓ Emission, climate change, implementation of emission mitigation Technologies

Environmental Science and Engineering

- ✓ Clean Production Process
- ✓ Environmental Analysis and Monitoring
- ✓ Environmental Planning and Assessment
- ✓ Environmental Safety and Health
- ✓ Geographic Information and Remote Sensing Science
- ✓ Land Resources Environment and Urban Planning
- ✓ Pollution Control Project (Air, Water, Solid)

- ✓ Soil and Water Conservation and Desertification Control
- ✓ Waste Disposal and Recycling

Track No. 5: Humanities

History

- ✓ History and prehistory
- ✓ Historiography
- ✓ Historical methods
- ✓ History of religion
- ✓ Social history
- ✓ Cultural history
- ✓ Diplomatic history
- ✓ Economic history
- ✓ World history
- ✓ Intellectual history
- ✓ Gender history

Politics

- ✓ Political theory
- ✓ Elections
- ✓ Political parties
- ✓ Political strategies and tactics
- ✓ Political corruption
- ✓ Government
- ✓ Political philosophies
- ✓ Political issues
- ✓ Politics by region
- ✓ Coalition studies
- ✓ Comparative politics
- ✓ Electoral systems and voting theory
- ✓ Nationalism studies
- ✓ Political criticism
- ✓ Political economy
- ✓ Political movement
- ✓ Political systems
- ✓ Political theory and philosophy
- ✓ Public administration
- ✓ Public policy studies

Psychology

- ✓ Business/Occupational Psychology
- ✓ Developmental Psychology
- ✓ Cross-Cultural Psychology
- ✓ Experimental Psychology
- ✓ Personality and Social Psychology
- ✓ Cognitive Psychology
- ✓ Brain & Behaviour

Sociology

- ✓ Sociology and Social Work
- ✓ Social Policy and Social Legislation
- ✓ Urban, Rural and Industrial Sociology
- ✓ Sociology and Criminology
- ✓ Social Stratification, Social Mobility and Social Class
- ✓ Immigration & Ethnicity
- ✓ Social Movements & Collective Identity
- ✓ Social Psychological Perspectives on parenthood

Law

- ✓ International Labour Law
- ✓ International Human Rights Law
- ✓ Environment and Climate Change Law
- ✓ Public and Private International Law

International Studies

- ✓ State Sovereignty
- ✓ Foreign Policy Analysis
- ✓ Territorial Conflicts
- ✓ International Security and Sanctions Policy

- ✓ Culture, Religion and World Politics
- ✓ International Negotiations and Diplomacy
- ✓ Foreign Interventionism
- ✓ Cross-cultural Understanding
- ✓ International Relations & Cooperation

Education Theory and Practice

- ✓ Counselor Education
- ✓ Educational Foundations
- ✓ Education Practice trends and Issues
- ✓ Theory and Practice of Physical Education Development
- ✓ Teaching Materials and Courseware Construction
- ✓ Education and Research Management
- ✓ Educational Measurement and Evaluation
- ✓ Teaching method Promote
- ✓ Pedagogy
- ✓ Curriculum, Research and Development

Child and Family Education

- ✓ Early Childhood Education
- ✓ Teaching Talent Training
- ✓ Special Education
- ✓ Home Education
- ✓ Elementary Education
- ✓ Primary Education
- ✓ Secondary Education
- ✓ Comparison of Child Education in Different Countries

Education Policy and Administration

- ✓ Educational Administration
- ✓ Education Policy and Leadership
- ✓ Rural Education
- ✓ Student Affairs
- ✓ Lifelong Education
- ✓ Education, Research and Globalization
- ✓ Teacher Education
- ✓ Education and Management
- ✓ Continuous Education
- ✓ Higher Education
- ✓ Public Education Policy
- ✓ Comparison of Sports Education in Different Cultures
- ✓ Sports for health education
- ✓ Adult and Continuing Education

Learning

- ✓ Lifelong Learning
- ✓ E-learning
- ✓ Teaching and Learning
- ✓ Learning Difficulties
- ✓ Learning Psychology
- ✓ Inductive reasoning
- ✓ Machine Learning
- ✓ Language Acquisition

Others

- ✓ Science Education
- ✓ Social Studies Education
- ✓ Business Education
- ✓ Music Education
- ✓ Art Education
- ✓ Adult Education
- ✓ ESL/TESL
- ✓ Health Education
- ✓ Language Education
- ✓ Mathematics Education
- ✓ Medium Education
- ✓ Assessment and Evaluation

Theme IV: Basic and Applied Biology

- ✓ Botany
- ✓ Zoology
- ✓ Molecular Biology
- ✓ Biochemistry
- ✓ Cell Biology
- ✓ Cancer Biology
- ✓ Immunology
- ✓ Genetics
- ✓ Agronomy

Track No. 6: Various Business Management

- ✓ Business Statistics,
- ✓ Business Ethics,
- ✓ Economics
- ✓ Marketing
- ✓ Accounting
- ✓ Business Management
- ✓ Banking
- ✓ Finance
- ✓ Tourism

Important Dates

Last date of Abstract Submission: 2nd March 2019

Last date of Full Length Research Paper & Copyright Form submission: 4th March 2019.

Last date of Submission of Registration Details: 5th March 2019.

Accommodation

Free one Night Accommodation will be available to the all out station Delegates at institute premises.

NOTE: In case Research article is accepted by the editorial committee it will be published and released on the day of conference in case the delegates are not able to physically present their paper due to some or other reason his/her research paper will be published (in absentia) and published copy along with certificate will be dispatched to his/her correspondence address by post just after the conference at no extra cost. **All communication should be by e-mail/online only (no hard copy is required to be posted).**

Mandatory steps to be followed:-

1. Abstract should be maximum **300 words**, full length research paper should be maximum **6 pages**.
2. In case of multi authored research paper, at least one full Registration is mandatory.
3. In case other author/co-author wish to physically attend the conference they need to pay full Registration fees individually, separate Journal & Certificate along with the conference kit will be issued to them. Co- Authors are requested to fill & submit separate Registration forms in case they are physically attending the conference.
4. Charges for extra copy of Journal/ Certificate for other Co-author (if required) should be paid along with preliminary Registration by the corresponding author.
5. Co-Authors will not be considered as accompanying person. Listeners are not entitled for free accommodation (it will be on paid basis). However they will be issued conference kit and participation certificate.
6. All Selected papers will be available online after 15 to 20 days of conference date over, in order to download the papers the authors need to go in the publication section of Krishi Sanskriti website.

Bank Details for Registration:

Bank Details mentioned below for RTGS/ Wired Transfer or Online Transfer:

Beneficiary Name : Sukh Chandra Mishra Private I.T.I.**Bank Name** : Canara Bank**Bank Address** : Jit Singh Marg, New Delhi**Account No.** : 1484101037606**Account Type** : Saving**IFSC Code** : CNRB0001484**Swift Code-** : CNRBINBBBID**Registration Charges:**

| Categories | Indian Delegates | SAARC/African Country Delegates | Rest of the countries |
|---|------------------|------------------------------------|--------------------------|
| Academic faculty/Industrial Delegates | 2000 INR | 100 USD | 200 USD |
| Research Scholars(Ph.D) / NGO Representative | 1500 INR | 75 USD | 150 USD |
| Students (I.T.I, Polytechnic & Graduate & Post Graduate) | 1000 INR | 50 USD | 100 USD |
| Printing of Additional Page in Books /Journals | 200 INR | 10 USD | 15 USD |
| Listener / Accompanying Member | 700 INR | 50 USD | 75 USD |
| Book/Journal & Certificate (additional copy) for Co-Authors in absentia (if required) | 500 INR | 15 USD | 20 USD |
| Only Books/Journal (additional copy) for Co-Authorsin absentia (if required) | 300 INR | 10 USD | 20 USD |
| Only Certificates (Co-Authors in absentia) | 200 INR | 7 USD | 10 USD |
| Additional Research paper for same authors | 500 INR | 20 USD | 25 USD |

Mr. Rajesh Kumar
Convener

For further information and Latest Updates,
Write us at

“info.academicconference@gmail.com”

Or

visit our Website

<http://www.krishisanskriti.org/esaehb.html>

Contact No. : +91-8527006560, 9968653128