International Conference
On
"Innovative Research in Applied Physical, Mathematical Sciences, Chemical, Statistics and Emerging Energy Technology for Sustainable Development" (APMCSET-2018)

Organized by
"Krishi Sanskriti"
on
24th November, 2018

Venue:
Jawaharlal Nehru University,
New Delhi
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CALL FOR PAPERS AND CONFERENCE THEMES:
The Organizer cordially invites abstracts and full length research papers from all over the World to participate in the *International Conference* on "**Innovative Research in Applied Physical, Mathematical Sciences, Chemical, Statistics and Emerging Energy Technology for Sustainable Development**" (**APMCSET-2018**) is the premier forum for the presentation of new advances and research results in the fields of theoretical, experimental, applied physical, chemical, mathematical sciences and emerging energy technology for sustainable development. The conference will bring together leading researchers, Entrepreneurs and Academicians in the domain of interest from around the world. Topics of interest for submission include various subthemes, but are not limited to the conference aims at providing an opportunity for exchange of ideas and dissemination of knowledge among Scholars for Sustainable Development. Contributions are invited from prospective authors from related areas. 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 and few high-end papers will be published in international Journal having ISSN No. which will be issued to authors after publication.

Themes:
Applied physics and material science
- Applications of Microscopy in the Physical Sciences
- Applied Solid State Physics/Chemistry and Materials Science and Technology Advanced Materials
- Biomedical Engineering, Medical/Biological Physics, Health Physics, Biomechanics
- Biophysics, Bio (electro) magnetism, Biophysical Chemistry
- Computational Physics, Non-linear Physics
- Engineering and Industrial Physics, Instrumentation, Metrology and Standards

- Large-code development
- Non-equilibrium systems
- Nuclear Physics/Chemistry, Radioactivity, Radiochemistry, Radiation Safety
- Optical Physics, Quantum Electronics and Photonics
- Particle Physics
- Physical Chemistry
- Physical Properties of Biological/Biomedical Systems through Microscopy
- Radiation Physics, Radiation Chemistry, Radiation Processing, Radiation-Matter interaction, Spectroscopies
- Semiconductors devices and Photonics, Opto-electronics,
- Quantum Electronics
- Soft and granular matter

Condensed Matter Physics
- Computational solid state physics
- Crystallography
- Semiconductors physics and devices

Nano-science and Nanotechnology
- Applied optics
- Computational optical physics
- Laser physics and applications
- Layered and composite nanostructures
- Low-dimensional systems
- Multifunctional nano-materials
- Nano-electronics and information technology
- Optoelectronics, quantum electronics

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

Quantum, Atomic and Nuclear Physics
- Atomic, molecular and chemical physics
- Computational atomic and nuclear physics
- Nuclear sciences and engineering
- Plasma physics, high-energy physics and particle physics
- Quantum entanglement, quantum information and quantum cryptography
- Radioactivity and radiochemistry, radiation protection and safety issues

Chaos and Complex Systems
- Chaos and Nonlinear Dynamics
- Chaos and Solitons
- Chaotic Systems
- Complexity Fractals and Nonlinearity in Nano-Science
- Fractional dynamical systems
- Nonlinear Science and Applications
- Nonlinear Time Series Analysis
- Stochastic Chaos
- Synchronization and Control of Nonlinear Dynamical Systems
- Chemistry and applied chemistry
- Chemical, Environmental, and Process Engineering
- Green organic synthesis routes
- New materials & structured products
- Process design and optimization
- Process intensification
- Product innovation, development and economics
- Sustainable & clean technologies

Computational Mathematics, Computational Geometry & Statistics Mathematics

- Algebraic Geometry and Topology
- Approximation Theory
- Category Theory; Homological Algebra
- Coding Theory
- Cryptology, Geometry
- Difference and Functional Equations
- Differential equations, dynamical systems and their applications
- Discrete Mathematics
- Dynamical Systems and Ergodic Theory
- Field Theory and Polynomials
- Fluid Mechanics and Solid Mechanics
- Functional Analysis
- Functions of a Complex Variable
- Fuzzy mathematics and its applications
- General Algebraic Systems
- Graph Theory
- Group Theory and Generalizations
- Integral Equations
- Lattices, Algebraic Structures
- Linear and Multilinear Algebra; Matrix Theory
- Mathematical Physics
- Measure Theory and Integration
- Neutrosophic Mathematics
- Operations Research, Optimization
- Operator Theory
- Ordinary and Partial Differential Equations
- Potential Theory
- Rings and Algebras
- Statistical Mechanics, Structure Of Matter
- Topological Groups,
- Wavelets and Wavelet Transforms

Applied Mathematics & Statistics

- Engineering Mathematics
- Logistics Management
- Operation Research

Applied Mathematics & Modeling

- Computational Methods
- Data Analysis
- Mathematics Modeling& Optimization
- Ordinary & Partial Differential Equations

Chemistry and Chemical Engineering Fundamentals

- Catalysis & reaction engineering
- Chemical engineering educational challenges and development
- Chemical engineering equipment design and process Design
- Chemical reaction engineering
- Distillation, absorption and extraction
- Membranes and membrane science
- Physical, Theoretical and Computational Chemistry
- Transport phenomena in porous/granular media

Multi-scale and/or Multi-disciplinary Approaches

- Controlled release of the active ingredient
- Process system, instrumentation and control
- Product design & innovation
- Product engineering and product development

Systematic Methods and Tools for Managing the Complexity

- Multiscale modeling
- Process synthesis & design
- Process control & operations
- Process Safety Management

Analysis & Its Applications

- Approximation Theory & Its Applications
- Ergodic Theory

- Sequence Spaces &Summability
- Fixed Point Theory
- Functional Analysis & It's Applications

Applied Algebra & Its Applications

- Combinatorics& Its Application
- Computational Group Theory
- Cryptography
- Information Theory & Error Correcting Codes

Geometry & Its Applications

- Geometry & Its Application
- Differential Geometry
- Kinematics

Algebraic Statistics& Its Applications

- Algebra & Mathematical Logic
- Algebraic Geometry
- Algebraic Statistics & Its Applications
- Control Theory
- Dynamic System
- Financial Mathematics & Computation
- Functional Analysis
- Lie Algebras
- Lie Groups
- Mathematical Actuary
- Mathematical Methods in Continuum Mechanics
- Mathematical Modeling in Environmental Sciences & Models for Complex Media
- Mathematics & Computation in Biological Sciences and Medicine
- Number Theory
- Operator Algebra
- Ordinary Differential Equation
- Probability & Statistics Applications
- Probability Theory & Mathematical Statistics
- Splines & wavelets with applications
- Stochastic Process

Energy Science and Technology

- Alternative transportation fuels, sustainable transport
- Appropriate energy technologies for rural development,
- Clean coal technology and IGCC, fluidized bed systems
- CO_2 Capture and Storage, CO_2 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
- Energy policy, planning and economics, energy and
- Energy resources: Estimation, exploration and exploitation of fossil fuel resources and sustainability
- Energy Security and Clean Use
- Energy Storage Technology
- Energy system modeling, simulation, thermodynamics and Optimization
- Energy:- conservation, management, efficiency and storage
- Energy-saving Technology
- Environmental aspects, laws and treaties.
- Environmental impact, safety issues and policies
- Green Building Materials and Energy-saving Buildings greenhouse cultivation, renew-able energy in agriculture.
- HVAC: Alternative refrigerants, renewable energy in HVAC
- Hybrid systems for power, co-generation, water distillation etc. hydro, geothermal, ocean thermal, tidal and wave, hydrogen and fuel cells
- Hydrogen and Fuel Cell

- Impact of Climate Changes on Energy Systems
- Low energy society: Challenges, opportunities and pathways
- New Energy Vehicles, Electric Vehicles
- Nuclear energy: Availability, Costing, Technologies,
- Other renewable energy technologies like small & micro
- Remote sensing of hazard Warnings and mitigation
- Sustainable Development: Roles of societies, Governments, NGOs and entrepreneurs
- Waste to energy and its management
- International Clean Energy Race
- Climate & Clean Energy Bill in Congress
- PACE Funding
- Distributed Solar Energy
- Renewable Energy Standards
- Clean Coal Technology
- Renewable energy technologies
- Green energy systems
- Clean energy investments
- Green Energy Options

Environmental Science and Engineering
- Architectural Environment & Equipment 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

The Development and Utilization of Resources
- Metallurgical Engineering
- Mineral Process Engineering
- Mineral Prospecting and Exploration
- Oil and Gas Well Development Projects
- Petrochemical Engineering
- Storage and Procession of Agricultural Products

Theory and practice of Sustainable Development
- Development and Management of the Energy Industry
- Environmental Protection and Economic Development
- The Global Climate Change and International Cooperation on Reducing Carbon Emissions
- The Analysis of International Energy Demand and Supply
- The Analysis of National Energy Strategy and Decision-making
- The Production and Operations of Energy Companies
- Ecological Economy, Circular Economy and Low-carbon Economy

Solar Photovoltaic Devices and Systems
- Advanced Technologies for Wind Generation
- Biomass energy, materials and technologies
- Connecting Wind to the Grid
- Efficient Design for Illumination and Solar Concentration
- Energy Diplomacy and National Security
- Energy storage devices and systems
- Fuel cells system and applications
- Global Crisis and Energy-Dependent-Economies
- High and Low Concentrator Systems for Solar Electric Applications
- Hydro energy, materials and technologies
- International Organization and Energy Convergence
- Laser Material Processing for Solar Energy Devices
- Managing a Wind Farm
- Next Generation (Nano) Photonic and Cell Technologies
- Offshore Wind Power
- Optimizing Wind Power Resources

- Regional and International Energy Flows
- Reliability of Photovoltaic Cells, Modules, Components, and Systems
- Thermodynamic and energy optimization
- Thin Film Solar Technology
- Transmission Networks and Regional Convergence
- Wind Credits & Incentives (PTCs)
- Wind Energy
- Wind Power Development Challenges:- Intermittency, RPS,PPAs

Abstract Submission:
Abstracts not exceeding 300 words on any of the aforesaid themes should be sent to the Organizing Secretary through mail at info.internationalconf@gmail.com on or before **19th November, 2018.** Intimation of Acceptance of Abstract will be issued within 24 to 48 hrs of submission time.

Submission of Full Length Research Paper
Full length research paper, maximum in 6 pages should be submitted by **20th November, 2018** through email at - info.internationalconf@gmail.com Intimation of Acceptance of Full Paper will be issued within 24 to 48 hrs of submission time.

Submission of Registration fees latest by **21st November, 2018.** Registration process can be initiated after receiving acceptance letter of full paper.

Registration Charges:

Categories	Indian Delegates	SAARC/ African Country Delegates	Rest of the countries
Academic faculty/Industrial Delegates	3000 INR	125 USD	250 USD
Research Scholars (Ph.D) / NGO Representative	2500 INR	100 USD	200 USD
Students(UG and PG)	2000 INR	75USD	150 USD
Printing of Additional Pages as chapter in edited book/proceeding /in Journals	300 INR	15 USD	20 USD
Listener / Accompanying Member (only Indian Delegates)	1000 INR	**	**
Print copy of research article as chapter in edited book/proceeding/Journal & Certificate (additional copy) for Co-Authors (if required in absentia)	700 INR	20 USD	30 USD
Only Print copy of research article as chapter in edited book/proceeding /Journal (additional copy) for Co-Authors (if required in absentia)	500 INR	15 USD	25 USD
Only Certificates (Co-Authors in absentia)	300 INR	10 USD	20 USD
Additional Research paper for same authors	1000 INR	25 USD	35 USD

**Foreign Participants as listener are not allowed, only authors from foreign country/countries will be allowed in this conference.

Registration

The participants are requested to register by sending the duly filled Registration form through e-mail along with their research paper and registration fees **(through NEFT and Online Transfer)**

Bank Details mention below for NEFT / Online Transfer.

Beneficiary Name : Krishi Sanskriti
Bank Name : Canara Bank
Bank Address : Jit Singh Marg, New Delhi
Account No. : 1484101026988
Account Type : Saving
IFSC Code : CNRB0001484
Swift Code- : CNRBINBBBID

Mandatory steps to be followed:-

1. In case of multi authored research paper, at least one Registration is mandatory.
2. In case other author/co-author wish to physically attend the conference they need to pay full Registration fees individually, separate Book/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.
3. Charges for extra copy of Book/Journal and Certificate for other Co-author (if required) should be paid along with preliminary Registration by the corresponding author.
4. 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.

Accommodation

Free one day Accommodation will be available to the limited no. of out station non N.C.R. Delegates at JNU guest house and nearby other guest houses/hotels around conference venue.

The Tariff rate for next day and subsequent day accommodation is as follows: Double-bed Room @ Rs.800/- per person (Indian non N.C.R. delegates) and 50 USD for Foreign delegates on sharing basis per day (check out time noon to noon).

To and fro transportation facility from guest house to the conference Venue will be provided by the organizer.

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).**

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For further information and Latest Updates, Write us at
Email: info.internationalconf@gmail.com
Or
visit our Website
http://www.krishisanskriti.org/2418.html

Contact No. : +91-8527006560

Dr. G. C. Mishra,
Organizing Secretary