



ESTD. 1964

ST. STEPHEN'S COLLEGE, UZHAVOOR

A MINORITY INSTITUTION OF HIGHER LEARNING, RUN BY THE KNANAYA CATHOLIC ARCHPARCHY OF KOTTAYAM
AFFILIATED TO MAHATMA GANDHI UNIVERSITY, KOTTAYAM

RE-ACCREDITED BY NAAC WITH A+ GRADE (3.39 CGPA)

QUAESITIO '24

Questioning Today, Shaping Tomorrow

INTERNATIONAL CONFERENCE

**SUSTAINABLE DEVELOPMENT
FOR A BETTER FUTURE**



5th & 6th
March 2024

PROGRAMME SCHEDULE

Organized by

The Research Cell & IQAC
St. Stephen's College, Uzhavoor

In Association with

Mahatma Gandhi University, Kottayam,
Kerala, India



QUAESITIO '24
PROGRAMME SCHEDULE

<u>Day 1: Tuesday 5th March 2024</u>	
Registration: 8:30 AM -9:30 AM	
Session 1	
INAUGURATION	
09.30 AM to 11:00 AM	
Venue: Educational Theatre	
Inauguration & Inaugural Address	Shri. Shyam Chand C, IFS Protector of Emigrants Ministry of External Affairs, Government of India
Keynote Address	Prof. Dr. Mohammed Hatha Head, Dept. of Marine Biology, Microbiology, CUSAT, Kerala, India
Tea Break 11:00 AM to 11:15 AM	
Session 2	
Venue: Educational Theatre	
(11:15 AM to 12:15 PM)	
Invited Talk	<i>Journey to Tomorrow: Spearheading Sustainable Development Goals via Accessible Tourism</i> By Dr. Rajesh Kenoth, Kerala University of Fisheries and Ocean Studies (KUFOS), Kerala, India

Paper Presentations	Session 2
Session 2 (Time: 12:15 PM to 12:45 PM)	Chairperson: Dr. Jose Chathukulam Director, Centre for Rural Management, Kottayam, Kerala, India
Economic and Environmental Viability of Upper Kuttanad Through Integrated Farming System; A Study on One Paddy-One Fish Farming.	Christeena Maria Babu School of Gandhian Thought and Development Studies, MGU
An Economic Analysis of the Time Allocation to Unpaid Care Work by Employed and Unemployed Women.	Dev Mathew Sacred Heart College, Thevara
A Study on Community Based Tourism & Cultural Sustainability in Chinnakanal, Munnar	Sharud J Thomas Munnar Catering College
A Voltammetric Sensor for the Simultaneous Determination of Carcinoid Tumour Biomarkers	Goldamol S Pallam and Dr. K. Girish Kumar Department of Applied Chemistry, Cochin University of Science and Technology, Kochi-22, India
Lunch Break: 12:45 PM to 1:30 PM	
Session 3 Venue: Educational Theatre (1:30 PM to 2:30 PM)	
Invited Talk	<i>Localising Sustainable Development Goals (SDGs): Narratives from Kerala</i> By Dr. Jos Chathukulam Director, Centre for Rural Management, Kottayam, Kerala, India

Paper Presentations	Parallel Sessions 3A & 3B
Session 3A Venue: Educational Theatre (Time: 02:30 PM to 03:00 PM)	Chairperson: Dr. Rajesh Kenoth, Kerala University of Fisheries and Ocean Studies (KUFOSS), Kerala
A Study on The Impact of Environmental Education and Sustainability Among Youth in Ernakulam District	Reeta Babu St. Stephen's College, Uzhavoor
Kerala's Nightingale Dilemma: Work Life Balance of Female Nurses in Private Health Care Sector	Anup Arjunan Bahuleyan Sree Narayana College, Chempazhanthy
Taxonomy and Diversity of Butterflies in Selected Sites of Idukki District, Kerala, India	Sanal T S Newman College, Thodupuzha
Anthropogenic Intervention and its Impact on the Landscape Ecology, Resource Appropriation and Ecosystem Management of Cochin Wetlands in Kerala	Dr. Susan Abraham Christian College, Chengannur
Session 3B Venue: Media Centre (Time: 2:30 PM to 03:00 PM)	Chairperson: Dr. Jisha George Head, Department of Commerce, St. Stephen's College, Uzhavoor
An Analysis on Plastic Usage in Ernakulam District	Anunandha R Manoj St. Teresa's College (Autonomous), Ernakulam
Transportation for Sustainable Mobility	Sherly.T Mount Royal College
Sustainable Food Security: Challenges and Way Forward	Dr. Anuraj K R Gitam Deemed to be University
The Idea of Equality in Regional Cultural Festivals: An Ecological Reading Based on the "Kottiyoor Festival"	Salini Ramachandran, Assistant Professor, CMS College (Autonomous), Kottayam
Tea Break & Poster Presentations 3:00 PM to 3:15 PM	

Session 4 Venue: Educational Theatre (03:15 PM To 04:15 PM)	
Invited Talk	<i>Circular Economy: A Pathway to Sustainable Development</i> By Sherine Thandu Parakkal, Manager – Resource Efficiency and Circular Economy, Development Alternatives, New Delhi, India
Paper Presentations	Session 4
Session 4 (Time: 04:15 PM to 04:45 PM)	Chairperson: Dr. Sincy Joseph, Vice Principal St. Stephen's College, Uzhavoor
Conservation and Effective Utilization of <i>Abrus Precatorius</i> L. Occurring in Kerala	Haifa S Ashraf Christian College, Kattakada, Thiruvananthapuram
Analysis of Selected Lifestyle Diseases During the Year 2021-2023 in Idukki District Kerala, India	Leena James Newman College, Thodupuzha
An Occurrence Report and Economic Importance of <i>Lamellidens Marginalis</i> (Mollusca: Bivalvia: Unionidae) from Yagachi Dam, Karnataka, India	Nidhy Hassan T K Newman College, Thodupuzha
A Study on Topological Indices in Graphs	Karthika Harish BCM College, Kottayam
Power Domination in Some Derived Graphs	Aswathy Samuel BCM College, Kottayam
Water Quality of Muvattupuzha River	Krishnapriya Sureshkumar Devamatha College, Kuravilangad

Session 5 (Online Platform: Zoom) (6:30 PM to 7:15 PM)	
Invited Talk	<i>Introduction to Quantum Computing</i> By Dr. Nike Dattani, High Performance Quantum Computing Lab, Canada

Day 2: Wednesday 6th March 2024	
Session 6 (Online Platform: Zoom) (09:15 AM To 10:15 AM)	
Invited Talk	<i>Sustainable Development and Emerging Markets</i> By Dr. Gabriel Simon Thattil , Senior Professor & Head of the Department, University of Kerala, Kerala, India
Paper Presentations	Parallel Sessions 6A, 6B & 6C
Session 6A (Time: 10:15 AM To 11:15AM)	Chairperson: Dr. Gittu Baby , Assistant Professor, Department of Commerce, St. Stephen's College, Uzhavoor
Towards Circular Prosperity: Unveiling Sustainable Pathways Across Industries	CA Umesh Kumar Bhavsar Government Girl College, Sehore
A Tailored Strategy for the Long-Term Growth of Social Entrepreneurship in Kerala	Jobin George Government College, Kodenchery, Kozhikode, Afiliated to University of Calicut
A Systematic Review and Bibliometric Analysis on Affordable Green Sustainable Housing	Nayana Vijayan Nirmala College, Muvattupuzha
Impact of Sustainability Reporting on Financial Performance of Listed Companies in Indian Capital Market	Akhin P St. Joseph's College (Autonomous) Devagiri, Calicut
Role of Marketing Channels in SCM	Salvy Mathew Kristhu Jyothi College, Changanaasheri
Evaluating Technical Efficiency: A Study of Inland Fishers in the Kuttanad Region, Kerala	Shalini Thomas Bishop Chulaparambil Memorial College, Kottayam

Session 6B (Time: 10:15 AM to 11:15 AM)	Chairperson: Dr. Ambily C.R. Head, Department of Commerce St. Stephen's College, Pathanapuram, Kollam
India's Economic Growth: An Impact of Social, Economic and Political Inclusion	Kashvi Goel & Lakshit Sharma Christ (Deemed to be University), Bengaluru
Towards Sustainable Urban Futures: Exploring the Nexus of Circular Economy Strategies and Green Practices in Urban Development	Angel Shilpa P A Sree Sankara College
Sustainable Perspectives on Coastal Tourism: A Case Analysis of Alappuzha	Shine Brijit Sree Sankara College, Kalady
Innovative Tourism and Sustainable Development	Sarang K Warriar Christ (Deemed to be University)
A Study on Exploring the Nexus of Tourism	Dr.R.Uma Maheswari Loyola College, Chennai
Contributing Positively Towards Sustainability Through Corporate Social Responsibility.	Aparna Harikumar SVR NSS College, Vazhoor
Session 6C (Time: 10:15 AM to 11:15 AM)	Chairperson: Dr. Leril James Assistant Professor, Department of Commerce, T.M Jacob Memorial Government College, Manimalakunnu
The Impact of Tourism on Sustainable Development	Ayushman Chakraborty CHRIST (Deemed to be University), Bangalore
A Study on Perception, Attitude and Behaviour on Environmental Sustainable Products Purchase Intention Among College Students	Lt.Dr.Shaheetha K.S Mar Dionysius College, Pazhanji

HDI Analysis Clustering	Manikandan P C Nirmala College, Muvattupuzha
The Global South and Sustainable Development Goals: A Litmus Test for a Fair and Equitable Future	Megha Maria Lal University Centre for IPR Studies, CUSAT
Leveraging Tech for Change: Financial Inclusion and the Future of Sustainable Development in India, with Special Focus on UPI	Nimishakavi Krishna Anvitha & Harini Venkatesan Christ (Deemed to be University), Yeshwanthpur Campus, Bengaluru
Exploring India's Sustainable Development Goals: A Descriptive Analysis and Investigation into Public's Attitude toward Sustainability Objectives	Atul Vijay P St. Joseph's Institute of Hotel Management & Catering Technology, Palai
Tea break 11:15 AM to 11:30 AM	
Session 7 (Online Platform: Zoom) (11:30 AM To 12:15 PM)	
Invited Talk	<i>Graphene Derivatives for the Transformation of Biomass Wastes into High-Added-Value Chemicals</i> By Dr. Aby Cheruvathoor Poulouse Senior Researcher CATRIN – Regional Centre of Advanced Technologies and Materials Palacky University, Czech Republic
Paper Presentations	Parallel Sessions 7A & 7B
Session 7A (Time: 12:15 PM to 01:00 PM)	Chairperson: Dr. Arun Thomas , Assistant Professor, Department of Chemistry, St. Stephen's College, Uzhavoor
Thermochemical Characterisation of Stachytarpheta Cayennensis to Evaluate its Feedstock Potential for Bio-Energy	Vahshi Chongloi Nagaland University

Agriculture as a Cause and Victim of Climate Change	Shereena K S Christ College (Autonomous), Irinjalakuda
Mosquito Larvicidal Activity of Ulva Fasciata Delile Against Culex Gelidus	Ganga Johny Maharaja's College, Erankulam
Sustainable Forest Management in India: Role of Local Stakeholders	Mary R Central University of Kerala
A Study on Mobile Health Care Apps	Dr. Raji A M Mar Dionysius College, Pazhanji
Effectiveness of ICDS Nutrition Scheme on Adolescent Girls in Alappuzha Municipality, Alappuzha District	Sreekutty Selvaraj Sree Sankara College, Kalady
A Study on Analyzing the Intersection of Sustainable Development and Academic Tourism	Varghese Johnson St. Joseph's Institute of Hotel Management and Catering Technology, Pala
Session 7B (Time: 12:15 PM to 01:00 PM)	Chairperson: Dr. Thomas Mathew , Head, Department of Physics, St. Stephen's College, Uzhavoor
A Study About Perception of Learners Towards Use of Artificial Intelligence in Learning	Dr. Asha S. Kutty Mar Dionysius College, Pazhanji
Modelling Estimation of Flood Inundation and Run-Up Along Central Kerala Using Numerical Modelling Techniques	Aswathy Vijayan St. Thomas College, Kozhencherry
Climate Change and Food Security	Nivedhya C. A. Christ College (Autonomous), Irinjalakuda
Water Conservation H2O Heroes: Exploring Innovative Water Conservation Practices and Sustainable Routines at Home in Thrissur Corporation	Sneha S Joseph and Karthika Dileep Vimala College (Autonomous), Thrissur

Dynamics of Urbanisation and its Effect on The Coastal Administrative Units of Kasaragod	Sushama S Department of Geography, Kannur University
Delineation of Groundwater Potential Zones for Sustainable Groundwater Management by Integrating GIS and MIF Techniques: A Case Study of Kannur District, Kerala	Imthiaz Ahammed Department of Geography, Kannur University
Role of Rhizosphere Associated Bacteria in Biodegradation	Reena Mol S Sree Narayana Arts and Science College, Kumarakom
Lunch Break 01:00 PM to 01:30 PM	
Session 8 (Online Platform: Zoom) (01:30 PM to 2:10 PM)	
Invited Talk	<i>SDG 2030: Empowering Youth Through Digitization and Entrepreneurship Skills in Higher Education.</i> By Dr Emilda Josephine, International Agriculture University, Tashkent, Uzbekistan
Paper Presentations	Parallel Sessions 8A & 8B
Session 8A (Time: 2:10 PM to 03:00 PM)	Chairperson: Dr. Navitha Elizabeth Jose, Assistant Professor, Department of English, St. Stephen's College, Uzhavoor
Animated Movies as An Innovative Praxis to Prompt Eco Consciousness	Martina A A Rajagiri College of Management and Applied Sciences. Kakkanad
Sustainable Diet in Familial Care: Exploring the Vital Role of Women	Sruthiya V N St.Joseph's College (Autonomous) Devagiri, Calicut

Baterial Quorum Sensing and its Application in Environmental Biotechnology	Dr. Sheetal Sivankutty Sree Narayana Arts and Science College, Kumarakom
Assessment of The Nutritional Benefits of Using Millet Grain for Diet and Feed	Nokenketla Nagaland University, Lumami
Phycoremediation Property of Blue Green Algae, Desmonostoc Muscorum Isolated from Eloor Area of Periyar River, Kerala	Jayasree S Maharaja's College, Ernakulam
Indigenous Ecological Imagination and Fiction: Decolonising Australia's Future Through its Settler Colonial Past	Lekshmy U K IIT Bombay-Monash Research academy
Session 8B (Time: 2:10 PM to 03:00 PM)	Chairperson: Dr. Joben K Antony , Assistant Professor, Department of Economics, St. Thomas College Pala
The Impact of Tourism on Sustainable Development	Venkata Yaraswi Vempati Christ (Deemed to be University)
Assessing the Effectiveness of Environmental Governance Policies: A Comparative Analysis of India and Denmark	Lins Jose Central University of Kerala
Gender Equity Analysis in India: Is Still a Debatable Issue?	Dr.R Saritha & Jaganath V Loyola College (Autonomous), Chennai
Environmentally Responsible Consumer Behaviour Among Youth	Christeena Gijo Thottungal Vimala College (Autonomous), Thrissur
Human Wild Conflict and Ecological Imbalances: A Case Study of Koruthodu Panchayath in Kottayam District	Achumol K M Gandhian Thought and Development Studies, Mahatma Gandhi University, Kottayam
Potential and Problems of Developing Renewable energy in India	Nibu Varghese School of Gandhian Thought and Development Studies MG University kottayam

Tea Break 3:00 PM – 3:15 PM

Session 9

Valedictory Function

Venue: Educational Theatre

(3:15 PM – 4:45 PM)

Valedictory Address:

Shri. C R Neelakandan,

Environmental Activist and Writer, Kerala

Organizing Committee

Mar Mathew Moolakkatt
Metropolitan Archbishop of Kottayam
(Patron)

Mar Joseph Pandarasseril
&
Gheevarghese Mar Aphrem
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