



47TH (INTER) NATIONAL SYSTEMS CONFERENCE
Systems for Sustainable Development in Quintessential Harmony with Environment



Organized jointly with

**THE 6TH INTERNATIONAL CONFERENCE ON DAYALBAGH (ART) SCIENCE
(& ENGINEERING) OF (EVOLUTIONARY/RE-EVOLUTIONARY) CONSCIOUSNESS**

Monday – Wednesday, 23 – 25 September 2024

Program Schedule for Contributed Papers

DAY – 1 (Monday, 23 September 2024)

01:15 PM – 02:30 PM (IST)

Poster Presentations Session

Chairs: Prof. Rahul Swarup Sharma, Prof. Shalini Nigam, Prof. Kamal Srivastava, Prof. Soami Prasad Saxena

DAY – 2 (Tuesday, 24 September 2024)

11:45 AM – 12:45 PM (IST)

Oral Presentations Session 1: Energy and Environment Systems

Chairs: Prof. Rohit Shrivastav, Mr. Gaurav Pratap Rana

Co-Chair: Dr. A Charan Kumari, Dr. Ishant Singhal

1. ISM Based Analysis on Urban Management of Indian Pilgrimage Sites by **Abhishek Bhardwaj, Hans Kaushik**.
2. Sustainable Development – A Study of Soami Nagar Colony, New Delhi by **Nihar Utralia, Dhun Sharma**
3. Impact of Product Knowledge on Pro-environmental Behaviour of Rooftop Solar Consumers the Mediating Role of Post-purchase Dissonance by **Awantika Tomar, Sumita Srivastava, Pranu Sharma**.
4. POORNATA: A Reflection of Holistic Education Towards a Complete Man by **Sumrian Pullan, Kavita Kumar, Arti Prasad, Pooja Sahni**
5. Real Time Measurements of Volatile Organic Compounds at a Suburban Site: Source Attribution through Interspecies Ratios, Correlation and Positive Matrix Factorization by **Neelam Baghel, Kirti Singh, Anita Lakhani, Aparna Satsangi and K. Maharaj Kumari**
6. Innovative Approaches to Potable Water Scarcity: A Case Study in Sustainable Water Management by **Nitya Satsangi, Swarupika Satsangi, V. Neha and Swanti Satsangi**
7. Analysis of Public Investment System of India using Nominal Group Technique (NGT) by **Mukti Sri Narain, K. Santi Swarup and D.K. Banwet**
8. Are we safe inside homes/offices? Air Quality Indoor vs Outdoor by **Kirti Singh, Neelam Baghel, K. Maharaj Kumari and Aparna Satsangi**

12:45 PM – 01:45 PM (IST)

Oral Presentations Session 2: Agriculture, Dairying and Healthcare Systems

Chairs: Prof. Guru Prasad Satsangi, Dr. Siddharth Agrawal

Co-Chair: Prof. Rupali Satsangi, Dr. Namita Bhatia

1. Challenges faced by Indian SMEs in Potato Processing: FISM-FMICMAC study by **Jaspreet Kaur, Sumita Srivastava and Hans Kaushik**



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2. Enhancing Symbiotic Nitrogen Fixation via Leghaemoglobin Intensification– A proposal for Agroecology-cum-Precision Farming Practice by **Arya Swaroop, Prem Saran Tirumalai and Sanjay Yadav**
3. Healthcare 5.0: A Comparison study of various machine learning algorithms for classification tasks using diabetes dataset by **Aditya Vardhan, Mohit Yadav and Varun Shrivastav.**
4. Compositional and metabolomic analysis of milk from Camels at Dayalbagh by **Pranathi Karnati, Dinesh Gupta, Jatin Shrinet, Bhupinder Singh, Usha Kalidindi, Bhopal Singh, Aseem Bhatnagar, Raj kamal bhatnagar and Anjoo Bhatnagar**
5. A Comparative Analysis of Air Quality Index Prediction for Some Coastal and Non-Coastal Cities by **Lotika Singh, Kuldeep Singh and Sandeep Paul**
6. Optical Control of Synaptic Plasticity with Calcium- selective Channelrhodopsin by **Nripesh Dixit, Gur Pyari, Himanshu Bansal, Sukhdev Roy**
7. Effect of Raga Chikitsa by Raga Darbari on the Mental Health of Young Children Suffering from ADHD by **Dayal Pyari Srivastava, Aashima Srivastava, Vuppulury Amrita**

01:30 PM – 02:30 PM (IST)

Poster Presentations Session

Chairs: Prof. Kamaljeet Sandhu, Prof. Radhika Singh , Prof. Renu Josan , Prof. Anita Lakhani

DAY – 3 (Wednesday, 25 September 2024)

07:00 AM – 08:00 AM (IST)

Oral Presentations Session 3: Education, Literary and Social Systems

Chairs: Prof. Sanjay Kumar Srivastava, Prof. Jyoti Gogia

Co-Chair: Dr. Sonal Singh, Mr. Hardik Chadda

1. Exploring Factors Affecting Learning Agility for Sustainable Business Continuity: A Modified Nominal Group Technique Study by **Ruchika Vatsa, Dr. Purnima Bhatnagar and Dr. Pami Dua**
2. Deep Caption Net: A Comparative Exploration of Different Encoder-Decoder Architectures and Attention Mechanisms for Image Captioning by **Tanu Kaur, C.Vasantha Lakshmi**
3. Read aloud text in Indian languages with NAO Robot **Sarika Singh, Laxmikant, C Vasantha Lakshmi and C Patvardhan**
4. Cooperative Education, A Study of MBA Students –A Triumvirate Model by **Shalini Nigam**
5. Influence of Printing Parameters on the Mechanical Properties of FFF-Printed PLA and PETG Composites by **Tapish Raj, Akash Jain, Ankit Sahai and Rahul Swarup Sharma**
6. Custom Chatbot Development Techniques in Academia by **Kaushambi Chandel**
7. Dayalbagh Educational Institute’s Policy 1975 and the United Nations’ Sustainable Development Goals: Coherence Mapping by **Preeti Manani, Rupali Satsangi and Shraddha Sharma**
8. A Study of Agra-Brij Region Living Heritage Practice by **Sanjog Singh and U N Shukla**

08:00 AM – 09:00 AM (IST)

Oral Presentations Session 4: Information and Communication Systems

Chairs: Prof. Sanjeev Swami, Prof. GS Sailesh Babu

Co-Chair: Prof. Sunita Malhotra, Dr. Zeeshan

1. Power Attack on Hardware Implementation of Elliptic Curve Cryptography by **Shraddha B Hiremath and Nalini C Iyer**



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2. Developing Feedback Loops for Adopting Digital Technologies in Small and Medium Enterprises: Using I-TOE-S Framework by **Pooja Kewalramani, Jaspreet Kaur, Sumita Srivastava and Francisco Liñán Alcalde**
3. Offline Face Recognition using Deep Learning on Distributed Edge Devices with Periodic Synchronization to a Central Repository by **Ratnanjali Satsangi and Prem Sewak Sudhish**
4. Camera Radar Data Fusion for Improved Object Detection **Preeti S. Pillai, Gaurav G Talebailkar and Nalini C. Iyer**
5. Herd Mentality in Augmentation - Not a Good Idea! A Robust Multi-stage Approach towards Deepfake Detection by **Monu, Rohan Raju Dhanakshirur**
6. An Integrated Approach Towards Classification Between Artificial Intelligence (AI) and Human Generated Text by **Rahul Gupta and Prem Sewak Sudhish**
7. Quintessentiality in and of Prime Numbers: Ab Initio to Ad Infinitum by **Swati Idnani, Suresh Idnani, Sneha Idnani, Pushpa Idnani, Teena Idnani**