

Leveraging Information Technology for Sustainability in Agriculture & Medicine - COVID-19 Crisis

Saturday 20th & Sunday 21st February 2021

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Thakur Educational Trust's (Regd.)

**Thakur Institute of Management Studies,
Career Development & Research**

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)
ISO 9001 : 2015 Certified • MCA Program Accredited by National Board of Accreditation, New Delhi

Thakur Educational Campus, Shyamnarayan Thakur Marg,
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ABOUT TIMSCDR

The Thakur Educational Group comprises of three Trusts namely Thakur Educational Trust (Regd.), Zagdu Singh Charitable Trust (Regd.) and Zagdu Singh Educational Trust (Regd.) managed by the Thakur family and runs 16 Institutes located in Kandivali, western suburb of Mumbai.

TIMSCDR (Thakur Institute of Management Studies, Career Development and Research) is dynamic institute striving to provide quality higher education. The institute is an ISO 9001:2015 certified providing three years MCA (Master of Computer Application) course. The MCA Course of TIMSCDR is NBA Accredited. All possible ways of acquiring academic insight and undertaking appropriate academic initiatives are explored at the institute. TIMSCDR also has an ISTE (Indian Society of Technical Education) chapter. Residence-cum-study facility is available for boys and girls in secured modern Hostel Buildings with green, clean and healthy ambience situated near the Institute.

TIMSCDR is organizing next International Conference ICAIM-2021 which serves as a platform for gathering all academicians, industrialist, researchers and professionals in the disciplines of Information Technology, Agriculture and Medicine.

ABOUT AMC

The Association of Medical Consultants (AMC) was established in 1972 by a small group of energetic active and concerned medical consultants from distant suburbs who often assembled and animatedly discussed their common problems. Over the years, the immense need rose for an organisation of this nature and the Association grew rapidly. It is now one of the fastest growing Associations of Specialist Doctors in Mumbai and boasts of a membership strength of more than 9000 Medical Consultants. AMC represents Consultants practicing at corporate and non corporate Tertiary care referral Hospitals (both Government and Private) and individual Consultants practicing through their own consulting rooms, Clinics & Nursing Homes spread across Greater Mumbai, Navi Mumbai and Thane districts. It is recognized as a frontline Medical Organization and is an important opinion making body which addresses vital public health and professional issues facing the medical profession in general and medical consultants in particular. AMC has effectively brought together consultants of various disciplines on one platform and aims to highlight and offer solutions to all the important day to day problems faced by consultants.

ABOUT MACCIA

Maharashtra Chamber of Commerce, Industry & Agriculture (MACCIA) is the Apex Chamber of the State. The Chamber plays a pivotal role in supplementing and augmenting the efforts of Government for the economic development of the State and advancement of its people. With more than 3500 direct Members, comprising of large, medium and Small-Scale Industries, Traders, Agriculturist and Professionals, MACCIA is the only Chamber in Maharashtra, which has deep-roots in all the 35 Districts encompassing 355 Talukas of Maharashtra. In addition over 800 Local Trade and Industry Associations and professional bodies having collective membership of over 700,000 business organizations from all over the State are affiliated to the Chamber and thus it virtually functions as the State's Apex Chamber.

ABOUT CONFERENCE

The sudden emergence of the Pandemic due to COVID-19 has left the entire world in a situation of making necessary changes to our lifestyle for survival. We all have now created for ourselves a New Normal and are aggressively trying to adjust to it. The journey to seamlessly move from the Old Normal to the New Normal is difficult and is a test of our survival. Every domain has been impacted due to the Pandemic, several lives have been lost and several job roles and processes are never going to see the light of the day. Those who have adopted to the changes quickly are able to sustain and move on.

ICAIM has set a platform for interactions and research specifically focusing on leveraging Information Technology in the domains of Agriculture and Medicine, with special consideration towards Sustainability. During the Pandemic, the Medical domain was in the forefront as several Healthcare stakeholders were involved in fighting against COVID-19. Many changes had to be made in the way Healthcare services were offered to people who were affected due to COVID-19. Even as we eagerly wait to receive the vaccine, it was clear that Information Technology is being used extensively as a tool to help sustain in the Pandemic and provide quick and correct access to Medical services across the country. Record of people getting affected is continuously maintained through Software and this data is further used to take precautionary measures so that more number of people, further do not get affected. Various technologies like ML, AI, Cloud Computing, Data Analytics, IoT are been used to make maximum use of IT to tackle the fight against COVID-19.

The Agriculture domain has also suffered during the pandemic, as the agriculture produce was not able to reach the marketplaces on time since the transportation system was hit badly. Further, several accessories (seeds, fertilizers, tools, etc.) were not available easily and Agriculture processes had to be at a stand still in some cases. Those Farmers who were tech savvy and had been using IT were able to sell their produce through online platforms and even buy necessary agriculture accessories through the available online platforms.

ICAIM – 2021 focuses on leveraging Information Technology in the fields of Agriculture and Medicine specifically in the time of the Pandemic. Further, the Conference also invites research in other domains which have been severely hit due to the Pandemic. Education sector has changed drastically with delivery of academic sessions through online platforms. Information Technology can be used at its best in the Education sector without losing the essence of the teaching and delivering knowledge to the learners.

Information Technology has seen a rapid change and has been used aggressively to surpass the adversities and uncertainties of the Pandemic. ICAIM 2021, which is the sixth in series of the Conferences, will see new research to overcome the challenges caused due to the Pandemic by applying the latest innovations and techniques of Information Technology and which will help lead towards a Sustainable future. .

OBJECTIVE

1. To provide a platform for industry-academia-government interaction and confluence on the use of ICTs for sustainable development.
2. To discuss various innovations in agriculture and medicine for sustainable development by domain experts.
3. To provide opportunities to research scholars to bring forth innovative solutions for Sustainability in Agriculture and Medicine in Covid-19 crisis.
4. To study and educate the environment, especially the student fraternity on the uses of Information Technology for sustainability in Agriculture and Medicine.

SUB THEMES

Agriculture:

- The Role of Agriculture in Sustainable Development
- The use of new technologies in agriculture
- Promoting Agricultural Economy
- Sustainable Energy in Agriculture
- Smart farm and its applications
- Sustainable agricultural water resources management and utilization
- Impact of Covid-19 on Agriculture Sector

Medicine:

- Application of IT in Healthcare
- Health Information Systems
- Public Health Engineering
- Theoretical and conceptual innovation in Health Care
- Ethics of IT in Health Care
- Covid-19: impact and opportunities in Healthcare Sector

Information Technology (IT)

- Emerging trends in use of IT for pharmaceuticals
- Artificial intelligence and machine learning for precision farming
- Modeling tools in Agriculture and Healthcare DSS
- Big data and Data Analytics electronic medical records (EMRs)
- Data Mining and Knowledge discovery in crop patterns
- Block Chain Technology for patient diagnosis.
- Internet of Things for enhanced agricultural productivity
- Green Computing

Any other topics in line with the theme of the Conference

CALL FOR PAPERS

We invite scholars, academicians, professionals, policy makers and other stakeholders to contribute to the international conference with papers that address themes mentioned above. The interested participants who wish to submit their papers are requested to follow the guidelines given below:

- Abstract should be about 250 words
- The paper must be in two column format
- Font type: Times New Roman & Font size: 9 pt
- Maximum length of paper: 5000 words
- Author names should be followed by their affiliation

The softcopy of paper should be submitted to :

<https://easychair.org/conferences/?conf=icaim2021>

For more information, visit www.icaim.in.

- Paper will be published in conference proceedings having ISBN.
- Quality research papers will also be published in UGC cared, Scopus Indexed and peer reviewed Journals.

SPEAKERS

Experts belonging to reputed Academic Institutes, R&D organisation and Industry from the fields of Information Technology, Agriculture and Medicine.

TARGET AUDIENCE

Professionals, Research scholars and Students from the fields of Information Technology, Agriculture and Medicine.

IMPORTANT DATES

Paper submission deadline	31 st December, 2020
Acceptance notification	15 th January, 2021
Camera ready submission	25 th January, 2021
Last date of registration	31 st January, 2021
Conference date	20 th - 21 st February, 2021

REGISTRATION FEES FOR CONFERENCE

Category	Delegates from India (in INR)	International Delegates (in USD)
Industry and R&D organization	₹ 250	\$ 30
Academic Institution	₹ 200	\$ 25
Student	₹ 150	\$ 20
Proceeding Charges	₹ 600	\$ 15

Note : Registration of atleast one author is mandatory for the publication of paper in conference proceedings. If two or more authors of the same paper want to attend the conference and require certificate of Publication, each of them must register and pay his/her respective registration fee.

Registration fee can be paid by Cheque or Demand Draft drawn in favor of "Thakur Institute of Management Studies, Career Development & Research (T & C)"

You can also make payment of registration fees through online on the below account:

Beneficiary Name : Thakur Institute of Management Studies, Career Development & Research (T & C)

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IFSC Code : IDIB000K161

Account Type: Savings

BEST RESEARCH PAPER AWARD

The award will be bestowed on research scholars for outstanding research presentations in the Conference.

ADDRESS FOR CORRESPONDENCE

TIMSCDR

Thakur Educational Campus, Shyamnarayan Thakur Marg, Thakur Village, Kandivali (E), Mumbai – 400 101, Maharashtra.

AMC, Mumbai

4, Ganpati Niwas, Police Lane, Opp. Andheri Station, Andheri (East), Mumbai - 400 069, Maharashtra.

ABOUT MUMBAI

Mumbai is the commercial and financial capital city of India. This port city (India's largest and busiest city) accounts for a major share of the government's revenue, and has one of the world's largest harbour. Mumbai lies on India's west coast in the state of Maharashtra and faces the Arabian Sea. The city occupies an area of 440 sq. km. People of various caste, culture, and religion inhabit the city, and due to this diversification, the customs, languages, and even the food is of infinite variety. Although the official state language is Marathi, the city is multi-lingual, multi-cultural and multi-religious.

Mumbai is well connected with most parts of India by the Indian railways, air and road transport. Trains are available from Chatrapati Shivaji Terminus, Dadar, Lokmanya Tilak Terminus, Mumbai Central, Bandra terminus and Andheri. Maharashtra State Road Transport Corporation (MSRTC) buses provide intercity transport and connects Mumbai with other major cities of Maharashtra.