

Report of "Indo- Israel International Joint Conference on Sustainable Cities" on 29th & 30th January 2020 at Kumaraguru College of Technology, Coimbatore.

As per the planned schedule the "Indo- Israel International Joint Conference on Sustainable Cities" was held at Kumaraguru College of Technology, Coimbatore from 29th & 30th January 2020. It is a Joint Conference in Partnership between Tel Aviv University (TAU), Agricultural Research Organization, Volcano Centre (ARO), PSG College of Technology (PSGCT) and Kumaraguru College of Technology (KCT). The main objective of this conference is to bring newer technologies from Israel as well as other research institutes to develop and build sustainable cities in India. Around 250 participants from various Institutions, Industries, NGOs and Government Institutions were participated in the event and enhanced their knowledge on the usage of recycled water for agriculture. Four eminent speakers were invited to share their experience through lecturing in the workshop on the topic specified. In the afternoon session a research connect meet on domestic wastewater treatment and reuse for agriculture purpose was organized at Lockers room and the Civil engineering Department Faculty Members were discussed with Professor **ALON BEN-GAL**, focusing on the use of treated domestic water in the following thrust areas

- (1) Cost effective treatment technology for domestic wastewater (lab scale study and Scale up reactor study)
- (2) Soil/Crop Profile mapping with respect to regional context
- (3) Use the treated domestic wastewater for agriculture in the real field premises

Also a technical Paper Presentation session on Water Recycling and Water quality in cities has been organized parallelly in the AN session and five Papers were presented in the session as well. Two Keynote Address were given by the session Chair: Dr.H.Lakshmikantha Environmental Officer, State Pollution Control Board, Bangalore and session Co-Chair: Dr. R. Saraswathi, Associate Professor, and Dept. of Civil Engg. Coimbatore Institute of Technology, Coimbatore;





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**You are cordially invited
for the inauguration of**

Indo – Israel International Joint Conference on Sustainable Cities

A joint conference in partnership between Tel Aviv University (TAU),
Agricultural Research Organization, Volcani Center (ARO),
PSG College of Technology (PSGCT) and Kumaraguru College of Technology (KCT)

**Tuesday, 28 January 2020 | 6:00 pm to 9:30 pm
Seminar Hall, N.Mahalingam Vigyan Bhavan
Kumaraguru Campus, Coimbatore**

Chief guest
Ms. Dana Kursh
Consul General of Israel
for South India





Indo - Israel International Joint Conference on Sustainable Cities

AGENDA

7:00pm - 7:02pm	Inauguration	
7:02pm - 7:07pm	Prayer song	
7:07pm - 7:12pm	Welcome address	Dr. Srinivasan J Principal Kumaraguru College of Technology
7:12pm - 7:17pm	Lighting the lamp	
7:17pm - 7:22pm	Honoring the chief guest	Kumaraguru Institutions Management
7:22pm - 7:32pm	Presidential address	Shri Shankar Vanavarayar Joint Correspondent Kumaraguru Institutions
7:32pm - 7:47pm	Chief guest address	Ms Dana Kursh Consul general of Israel for South India
7:47pm - 7:52pm	Formal inauguration of the conference	
7:52pm - 7:57pm	Address by Israeli Organizing team	Prof. Eyal Ben Dor Tel Aviv University
7:57pm - 8:02pm	Address by Indian Organizing team	Dr. Manivel Professor, Dept. of Mechanical Engg. Kumaraguru College of Technology
8:02pm - 8:05pm	Vote of thanks	Mr. Ravi Kandasamy Head, Technology Services Kumaraguru Institutions
8:05pm - 8:09pm	National Anthem	
8:09pm onwards	Networking Dinner	Kumaraguru Campus



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Workshop 1

ISRAELI INNOVATIONS ON INDIAN AGRICULTURE



29 January 2020

09:30am - 12:30pm

**Swami Vivekananda Hall,
Kumaraguru Campus, Coimbatore,
Tamil Nadu, India**

In partnership with



Use of Israeli Innovations in Indian Agriculture

Ram Fishman

Assistant Professor of
Public Policy,
Tel Aviv University, Israel

Soil remote sensing, from past to future and its use in Agriculture

Prof. Eyal Ben Dor

Head, Remote Sensing
Laboratory, Tel Aviv
University, Israel

Precision agriculture using Biosensors

Yosi Sacham

The Bernard L. Schwartz
Chair for Nano Scale
Information Technologies,
Tel Aviv University, Israel

Horticulture Intervention in urban farming

Dr. M. Jawaharlal

Director of Extension
Education, Tamil Nadu
Agriculture University

Agriculture oriented IOT

Prof. Adi Avni

Professor, Plant Sciences, Tel Aviv University, Israel

Dr. Evgeni Eltzov

Researcher, Postharvest and Food Sciences,
Department of Postharvest Science, ARO, The
Volcani Center

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Register yourself at
<http://iicsc.kct.ac.in/registration>

Registration fees Rs. 500 (lunch included)
Workshop helpline +91 9600394410



Workshop 1 **ISRAELI INNOVATIONS FOR INDIAN AGRICULTURE**

29 January 2020 | 09:00am-12:30pm

Swami Vivekananda Hall, Kumaraguru Campus, Coimbatore, Tamil Nadu, India

Agenda

Time	Event	Delegates
08:30 am - 09:30 am	Registration	
09:30 am - 09:40 am	Context Setting	Shri Shankar Vanavarayar Joint Correspondent, Kumaraguru Institutions Mr.Manisundar Farmer
09:40 am - 09:55 am	Topic: Israeli Technologies in Indian Agriculture	Dr.Ram Fishman Assistant Professor of Public Policy, Tel Aviv University, Israel
09:55 am - 10:10 am	Topic: Soil remote sensing, from past to future and its use in Agriculture	Prof. Eyal Ben Dor Head, Remote Sensing Laboratory Tel Aviv University, Israel
10:10 am - 10:40 am	Panel Interaction	Dr.Gowthaman with Dr.Ram Fishman, Prof. Eyal Ben-Dor
10:40 am - 11:00 am	Break	
11:00 am - 11:10 am	Topic: Horticulture intervention in urban farming	Dr. M. Jawaharlal, Director of Extension Education, Tamilnadu Agriculture University
11:10 am - 11:25 am	Topic: Agriculture oriented IoT	Prof. Adi Avni Professor, Plant Sciences, Tel Aviv University, Israel
11:25 am - 11:40 pm	Topic: Agriculture oriented IoT	Dr. Evgeni Eltzov Researcher, Postharvest and Food Sciences, Department of Postharvest Science, ARO, The Volcani Center
11:40 pm - 11:55 am	Topic: Precision Agriculture using Biosensors	Prof. Yosi Sacham The Bernard L. Schwartz Chair for Nano Scale Information Technologies, Tel Aviv University, Israel
11:55 am - 12:30 pm	Panel Interaction	Mr.Manisundar with Dr. M. Jawaharlal, Prof. Adi Avni Dr. Evgeni Eltzov Prof. Yosi Sacham
12:30 pm - 12:35 pm	Concluding Note	Dr. K Palanisamy Former Director Water Technology Centre Tamilnadu Agriculture University India

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Workshop 2

WASTE WATER TREATMENT AND REUSE OF GLOBAL WATER SCARCITY

29 January 2020

09:30am-12:30pm

Sir CV Raman Hall | Kumaraguru Campus
Coimbatore, Tamil Nadu, India

In partnership with



Using Recycled Water for Agriculture

Dr. Alon Ben Gal

Research Scientist
Environmental Physics and
Irrigation, Volcani Institute, Israel

Waste water treatment and reuse for Global Water Scarcity

Prof. Hadas Mamane

Head, Environmental Engineering
Tel Aviv University, Israel

Wastewater Treatment or Agriculture

Dr. H. Lakshmikantha

Environmental Officer State
Pollution Control Board,
Bangalore"

Sewage Treatment - Reuse and Energy Recovery

Er. AL. Radhakrishnan

Chief Engr., (Retd.) Chennai
Metropolitan water supply and
Drainage Board, Technical Expert for
Smart cities, TUFIDCO

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Workshop 2

INDO-ISRAEL WASTE WATER TREATMENT AND REUSE OF GLOBAL WATER SCARCITY

29 January 2020 | 10:30am-12:30pm

Sir CV Raman Hall, Kumaraguru Campus, Coimbatore, Tamil Nadu, India

Agenda

Time	Event	Delegates
8.30 am - 9.30 am	Registration	
9.30 am - 9.40 am	Context Setting	Mr. Ravi Kandasamy Head Program Management Office, KCT
9.40 am - 10.00 am	Topic: Using Recycled water for Agriculture	Dr. Alon Ben Gal Research Scientist Environmental Physics and Irrigation, Volcani Institute, Israel
10.00 am - 10.20 am	Topic: Wastewater treatment for agriculture	Dr. H. Lakshmikantha Environmental Officer State Pollution Control Board, Bangalore"
10.20 am - 10.50 am	Panel Interaction	Mr. Krishnaswamy with Dr. Alon Ben-Gal, Dr. H. Lakshmikantha
10.50 am - 11.10 am	Break	
11.10 am - 11.20 am	Topic: Sewage Treatment - Reuse and Energy Recovery	Er. AL. Radhakrishnan Chief Engr., (Retd.) Chennai Metropolitan water supply and Drainage Board, Technical Expert for Smart cities, TUFIDCO
11.20 am - 11.40 am	Topic: Waste water treatment and reuse for global water scarcity	Prof. Hadas Mamane Head of environmental engineering program, Tel Aviv University - Israel
11.40 am - 12.10 pm	Panel Interaction	Mr. Krishnaswamy with Prof. Hadas Mamane, Er. AL. Radhakrishnan
12.10 pm - 12.20 pm	Concluding Note	Er. Valluvan Organic farm developer, PAP farmer's & Water Users Association

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Indo - Israel International Joint Conference on
Sustainable Cities

28 January 2020, Kumaraguru Campus, Coimbatore