

Webinar on “Remote Sensing and Machine Learning Technology for Precision Farming” Platinum Jubille Celebration , BACA and NAHEP – CAAST 29th November, 2021

Patrons



Dr. K. B. Kathiria
Vice Chancellor
Anand Agricultural University
Anand, Gujarat



Dr. R. C. Agrawal
DDG (Education)
National Director-NAHEP
ICAR, New Delhi

Keynote Speaker



Dr. Bimal K. Bhattacharya
Group Director, Biological and Planetary Sciences and Applications Group (BPSG)
Earth Ocean Atmosphere Planetary Sciences and Applications Area (EPSA)
Sci./Eng. - G & Science Team Leader (AVIRIS-NG Airborne campaign)
Co-Chair, Indo-French (ISRO-CNES) spaceborne thermal IR (TRISHNA) mission
Space Applications Centre, ISRO

Advisors



Dr. Prabhat Kumar
National Coordinator
NAHEP-CAAST, ICAR
New Delhi



Dr. M. K. Jhala
Director of Research & Dean PG Studies
AAU, Anand

Guest Speakers



Dr. Ittai Herrmann
Senior Lecturer (Assistant Professor)
The Robert H Smith Faculty of Agriculture, Food and Environment
Hebrew University of Jerusalem, Israel

Conveners



Dr. Y. M. Shukla
Principal & Dean
Convener, Platinum Jubilee Celebration
BACA, AAU, Anand



Dr. R. S. Pundir
Principal & Dean, IABMI
PI, NAHEP-CAAST
AAU, Anand



Dr. Prashant K. Srivastava
(PhD-Bristol, UK)
Assistant Professor
Institute of Environment and
Sustainable Development
Banaras Hindu University, India



Dr. Arun P. V.
Assistant Professor
(Computer Science)
IIIT, Chittoor
Andhrapradesh

Organizing Secretaries



Rucha Dave
Co-PI NAHEP CAAST
Assistant Professor (Physics)
Dept. of Basic Sciences
BACA, AAU, Anand



Dr. M. S. Kulshrestha
Prof & Head
Dept. of Basic Sciences
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Dr. R. G. Parmar
Organizing Secretary
Platinum Jubilee Celebration
BACA, AAU, Anand

Co-Organizing Secretaries



Dr. Y. A. Lad
CCPI (HRD), NAHEP-CAAST
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Dr. D. B. Sisodiya
Co-Organizing Secretary
Platinum Jubilee celebration
BACA, AAU, Anand

: Organized by :

**Dept. of Basic Sciences and Humanities, B A College of Agriculture, Anand Agricultural University, Anand
under Platinum Jubilee Celebration of B A College of Agriculture
In Collaboration with
Centre for Agricultural Market Intelligence, NAHEP-CAAST, AAU, Anand**

Registration Link: <https://forms.gle/7z886p6dC5pboPSPA>

Inaugural Function

Webinar on

“Remote Sensing and Machine Learning Technology for Precision Farming” Platinum Jubille Celebration , BACA and NAHEP – CAAST 29th November, 2021

- 10:00-10:10** : Welcome Address : Dr. Y. M. Shukla
Principal & Dean, BACA and
Convener, Platinum Jubilee Celebration
- 10:10-10:15** : Introduction and : Dr. R. S. Pundir
Brief of Webinar : Principal & Dean, IABMI and
PI, NAHEP-CAAST, AAU Anand
- 10:15-11:15** : Address by Guest of Honour : Dr. B. K. Bhattacharya
& Keynote Speaker : Group Director , SAC, ISRO, Ahmedabad
Topic: “Hyperspectral Remote Sensing for Precision Agriculture”
- 11:15-11:25** : Presidential Address : Dr. K. B. Kathiria
Hon'ble Vice Chancellor, AAU, Anand
- 11:25-11:30** : Vote of Thanks : Rucha Dave
Organizing Secretary

Technical Session I

- 11:30-12:30** : **Topic** : “Space Technology of Indian Agriculture”
Dr. Prashant K. Srivastava (PhD-Bristol, UK)
Assistant Professor, Institute of Environment and Sustainable Development
Banaras Hindu University, India

- 12:30-14:00** : **Break Time**

Technical Session II

- 14:00-15:00** : **Topic** : “Crop traits estimation by spectral sensing - can we assess what we do not see?”
Dr. Ittai Herrmann
Senior Lecturer (Assistant Professor)
The Robert H Smith Faculty of Agriculture, Food and Environment
Hebrew University of Jerusalem, Israel

Technical Session III

- 15:00-16:00** : **Topic** : “Machine Learning Advancements for Smart Farming”
Dr Arun P V
Assistant Professor (Computer Science)
IIIT, Chittoor, Andhrapradesh
- 16:00-16:05** : **Vote of Thanks**
Dr. Y. A. Lad
CCPI (HRD), NAHEP-CAAST, IABMI, AAU, ANAND

