

INTERNATIONAL WORKSHOP ON

APPLICATION OF NIR SPECTROSCOPY IN FOOD & AGRICULTURE

23rd March, 2019

With Financial Support from RUSA-II Program

Venue: Science City, Kolkata, India

Organized By

Jadavpur University,
Kolkata, West Bengal, India



Tea Research Association,
Tocklai Tea Research Institute,
Jorhat, Assam, India



Japan Council of Near Infrared
Spectroscopy



Supported by

National Tea Research Foundation, West
Bengal, India

Centre for Development of Advanced
Computing, Kolkata, West Bengal, India

Background of the Workshop

It is with great pleasure that we welcome you to join us for the Int. Workshop on Application of NIR Spectroscopy in Food & Agriculture at Science City, Kolkata on 23rd March, 2019. This is the first workshop in India being organized jointly by Jadavpur University and Tea Research Association with Japan Council of Near Infrared Spectroscopy.

NIR spectroscopy, as compared to other branches of optical spectroscopy is quite young; but within a short span of time it has crossed the path from being used by a few laboratories for some selected applications, to a technology that has application in sectors from agriculture to medicine, environmental science to pharmaceuticals, geo-exploration to food technology. In recent years, NIRS has been used extensively as an alternative approach for examining the physio-chemical features of plant samples without physical destruction. Of course, none of this is possible without the latest advances in hardware and chemometric software.

To keep pace with these advancements and with the increased public awareness in quality and health, India needs to explore possibilities for implementation of such green technologies into agriculture, food & beverage industries. NIR researchers have excelled in all of these areas, but achievements in NIR need to be shared with the world.

We welcome you to this humble initiative to take part in the deliberations on possibilities of collaborative research and applications aspects in India....

.....and the way forward...

Speakers

1. Prof. Satoru Tsuchikawa
Graduate School of Bio-agricultural Sciences,
Nagoya, Japan
2. Prof. Masao Takayanagi
Tokyo University of Agriculture and Technology,
Japan
3. Dr. Taira Eizo
Faculty of Agriculture Department of Regional
Agricultural Engineering, University of the Ryukyus,
Japan
4. Dr. V. Venkatraman
Former Scientist, CEERI, Chennai, India
5. Prof. Rajib Bandyopadhyay
Dept. of IEE, Jadavpur University, Kolkata, India
6. Dr. Santanu Sabhapandit, TTRI, Jorhat, Assam
7. Mr. Ajanto Kr. Hazarika, TTRI, Jorhat, Assam

Programme

March 23 (Saturday), 2019

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|--------------------|--------------------------------------------|
| 9:30am to 10:00am | Registration |
| 10:00am to 11:00am | Inauguration & Keynote presentations |
| 11:00am to 11:15am | Tea break |
| 11:15am to 1:15pm | Technical session I |
| 1:15pm to 2:00pm | Lunch |
| 2:00pm to 4:00pm | Technical session II |
| 4:00pm to 5:00pm | Tea break & Company exhibition |
| 5:00pm to 6:00pm | Concluding session |
| 6:30pm to 8:00pm | Dinner |

Advisory Committee

Prof. Suranjan Das, Vice-Chancellor, Jadavpur University
Prof. P. K. Ghosh, Pro- Vice Chancellor, Jadavpur University
Prof. C. Bhattacharjee, Dean, Jadavpur University
Dr. A. K. Barooah, Director, Tea Research Association
Mr. J. Phukan, Secretary, Tea Research Association
Dr. P. Mohan Kumar, Advisor, NTRF
Dr. N. Bhattacharyya, Director, C-DAC
Prof. Pulak Mukherjee, Director, School of Natural Products, JU
Prof. D. Patranabis, Former Professor, IEE, Jadavpur University
Dr. A. Chatterjee, Former Scientist, Bose Institute
Prof. A. Bandyopadhyay, Former Scientist, ICAR
Dr. B. K. Behera, Principal Scientist, CIFRI, ICAR

Organizing Committee

Prof. Runu Banerjee Roy, HOD, IEE, Jadavpur University
Prof. Rajib Bandyopadhyay, IEE, Jadavpur University
Prof. Bivas Dam, IEE, Jadavpur University, Kolkata
Mr. Kalyan Majumdar, IEE, Jadavpur University, Kolkata
Prof. Kumardeb Banerjee, IEE, Jadavpur University, Kolkata
Prof. BipanTudu, IEE, Jadavpur University, Kolkata
Dr. Pradip Tamuly, HOD, Bio-chemistry Deptt, TTRI, Jorhat
Mr. Sandip Sanyal, HOD, TPMA Dept., TTRI, Jorhat
Mr. Ajanto Kr. Hazarika, Scientist, Tocklai Tea Research Institute
Dr. Santanu Sabhapondit, Scientist, Tocklai Tea Research Institute
Dr. Prolay Sharma, IEE, Jadavpur University, Kolkata
Dr. Arunangshu Ghosh, Asstt. Prof., NIT, Patna
Dr. Anil Kumar Bag, Asst Prof, Heritage Institute of Technology
Mr. Romen Ch. Gogoi, Tea Taster, Tocklai Tea Research Institute

Mr. Somdeb Chanda, IEE, Jadavpur University, Kolkata
Mr. Dilip Sing, IEE, Jadavpur University, Kolkata
Mr. Kallol Bera, IEE, Jadavpur University, Kolkata
Mr. Nilava Debbhuti, IEE, Jadavpur University, Kolkata
Mr. Hemanta Naskar, IEE, Jadavpur University, Kolkata
Sk. Babar Ali, Future Inst. of Engg. & Mgmt., Kolkata
Ms. Bamali Ghatak, IEE, Jadavpur University, Kolkata
Ms. Mahuya Banerjee, IEE, Jadavpur University, Kolkata
Ms. Soumita Kar, IEE, Jadavpur University, Kolkata
Ms. Sushmita Pradhan, IEE, Jadavpur University, Kolkata
Ms. Samhita Dasgupta, IEE, Jadavpur University, Kolkata
Ms. Debangana Das, IEE, Jadavpur University, Kolkata
Mr. Alokesh Ghosh, C-DAC, Kolkata
Mr. Jayanta Kumar Roy, C-DAC, Kolkata
Mr. Amitava Akuli, C-DAC, Kolkata
Dr. Hena Mukhopadhyay, C-DAC, Kolkata
Dr. Arun Jana, C-DAC, Kolkata
Mr. Subhankar Mukherjee, C-DAC, Kolkata
Dr. Subrata Sarkar, C-DAC, Kolkata
Dr. Kamalika Tiwari, Asst Prof., BCREC, Durgapur
Mr. Abhra Pal, C-DAC, Kolkata
Mr. Rishin Banerjee, C-DAC, Kolkata

For further details regarding Registration, Sponsorship, Stalls etc. please contact:

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General Information

The workshop will be held at Science City Seminar Hall, J.B.S Haldane Avenue, Mirania Gardens, East Topsia, Topsia, Kolkata, West Bengal 700046.



Submission of Poster Paper

Abstracts for poster presentations are invited from interested participants for publication in the workshop proceeding booklet.

Word count: 300

Poster dimension: Height - 36 inches,
Width - 48 inches.

Registration fee – Rs. 500.00

Payment may be made by demand draft in favour of "JADAVPUR UNIVERSITY" and submitted to the Office of the Head, Dept of Instrumentation and Electronics Engg., Jadavpur University, payable at Kolkata.

(Last date for submission of abstracts along with registration fee: 15th March 2019).

How to Apply

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|------------------------|----------------|----------------------------------------------------------------|
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