

First Vegetable Science Congress

On

Emerging Challenges in Vegetable Research and Education (VEGCON-2019)

1-3rd February, 2019 at Jodhpur, Rajasthan



Organized by

Indian Society of Vegetable Science

Agriculture University, Jodhpur

ICAR-Indian Institute of Vegetable Research, Varanasi

Indian Council of Agricultural Research



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Dr DP Ray

President

Indian Society of Vegetable Science

Indian Institute of Vegetable Research

PB No. 1, P O Jakhini (Shahanshapur), Varanasi-221305

E-mail: secretary.isvs@gmail.com

Chairman, Local Organizing Committee

Dr Balraj Singh

Vice-Chancellor,

Agriculture University, Jodhpur

Mandor, Jodhpur-342304

E-mail: vcunivag@gmail.com

<p>National Organizing Secretary Dr B Singh Director Indian Institute of Vegetable Research P B No. 1, P O Jakhini (Shahanshapur), Varanasi-221305 E-mail: secretary.isvs@gmail.com, directoriiivr@gmail.com</p>	<p>Local Organizing Secretary Dr B R Choudhary Director Research, Agriculture University, Mandor, Jodhpur, Rajasthan-342304 E-mail: draujodhpur@gmail.com Mob: 9414865317</p>
<p>National Co-Organizing Secretary Dr Jagdish Singh HOD (I/C), Crop Production Indian Institute of Vegetable Research P B No. 1, P O Jakhini (Shahanshapur), Varanasi-221305 E-mail: jagdish1959@gmail.com</p>	<p>Local Co-Organizing Secretary Dr Ummed Singh Professor, College of Agriculture, Agriculture University, Mandor, Jodhpur, Rajasthan-342304 E-mail: singhummed@yahoo.co.in Mob: 8299837429</p>

Background

Vegetable crops are important constituent of agriculture for ensuring food and livelihood security owing to their high yield potential. Enormous diversity in vegetables fulfills dietary nutrient requirements of humans and therefore vegetables are very important constituent of our food for fulfilling nutritional security as well. The significance of vegetables in improving livelihood to farming community and attaining the nutritional security has been apprehended to the ever growing human population. In this decade the demands of vegetables has increased to several folds because of consumer awareness about the role of vegetables in human nutrition and providing ample opportunities for higher farm-income coupled with the improvement in the purchasing power. Nonetheless, in the last few decades, there has been a remarkable upsurge in the worldwide vegetable production and in present time the global trade in the vegetable has surpassed to that of cereal crops. However, still it is essential to produce more and more vegetables to fulfill the recommended minimum per capita daily requirement of 300 g vegetables. Growing vegetables to meet the increasing demand in present time is a big challenge for the scientific community in the era of changing climate, which is responsible for drastic yield reduction due to biotic and abiotic stress. Emerging pests and diseases like tomato pin worm, TOSPO viruses, ELCV in okra, LCV in chilli, root knot nematodes under protected cultivation, etc., and erratic rainfall pattern along with rising temperature will pose newer challenges to meet sufficient production of vegetables in near future. Since, the scope of expanding the area under vegetable is shrinking day by day, emphasis has to be made to increasing the productivity to encounter the ever growing demands of vegetables in near future.

Consequently, any assessment for the vegetable productivity has to be individually considered based on the local area where it is grown. Despite technological advances, such as improved varieties, genetically modified organisms, IPM, IPNM, IDM, irrigation systems etc.; weather is still a key factor in vegetable productivity. The studies related to climate change and crop-physiology indicates that climate change represents a potential threat to sustaining global vegetable productivity growth rates necessary to keep up with the demand. Enhancing vegetable production and productivity under all these issues is a major challenge in front of scientific fraternity working in vegetable research.

In order to discuss the challenges related to production, productivity and quality in vegetable crops as well as issues related to vegetable science education, the 1st Vegetable Science Congress with a major theme on “Emerging Challenges in Vegetable Research and Education” is being organized by Indian Society of Vegetable Science, Varanasi; Agriculture University, Jodhpur and ICAR-Indian Institute of Vegetable Research, Varanasi during 1st-3rd, Feb, 2019 at Agriculture University, Jodhpur, Rajasthan. During the congress, the delegates will get an opportunity to share the knowledge of modern tools and techniques that can be utilized in vegetable research and education to address the challenges faced by vegetable farmers.

Themes and Sub-themes

There will be following seven themes and associated sub-themes to deal with emerging challenges in vegetable research and education:

Genetic Enhancement in Vegetable Crops	<ul style="list-style-type: none">• Genetic Resources and Pre-breeding, Gene and QTL Mapping, Speed Breeding, Genome based Breeding, Breeding for Climate Smart Genotypes, Root-Stock Breeding & Breeding for Processing Traits,
Novel Insights & Innovations in Biotechnology	<ul style="list-style-type: none">• Genetically edited vegetables, Vegetable Biofortification, Plant "OMICS", Transgenics, Double Haploid, Reverse Genetics and Bioinformatics
Vegetable Production Systems	<ul style="list-style-type: none">• Urban and Peri-urban Vegetable Farming, Vertical Farming, Roof Top Farming, Climate Smart Agriculture Systems, Greenhouses and Olericulture, Hydro and Aeroponics, Water and Weed Management, Organic Production and Conservation Agriculture
Pest Management: Recent Advances	<ul style="list-style-type: none">• Emerging Pests, Forecasting, Detection & Diagnostics, Sensor Based Diagnosis of Viruses, RNA Spray for Management of Viruses, Insect-plant Interactions, Pesticide Residues, Newer Molecules with Green Chemistries, Biological Control, IRM, IPM and IDM
Secondary Agriculture: Value Chain Management and Post Harvest	<ul style="list-style-type: none">• Cool-chains, Freeze-drying, Modified atmosphere packaging and Emerging Technologies for Value Addition in Vegetables, Ready to eat vegetables
Quality seed, IPRs, Technology dissemination, PPP and Agribusiness	<ul style="list-style-type: none">• Pollinator Management, Seed Purity Testing, Seed Processing, IPR Policies, Farmers' and Breeders' Rights, Access Benefit Sharing and Biopiracy, e-choupal, e-market, Mobile Apps, Marketing, Distribution, Retailing and Innovations in Agribusiness
Vegetable Science: Educational Strides	<ul style="list-style-type: none">• Scope and Startagies for Improving Vegetable Science Education & Career Opportunities

Presentations

- ❖ The congress will provide opportunity to present research work in oral as well as poster form
- ❖ Oral presentation: The renowned scientists in the field of vegetable science will deliver lead and invited lectures
- ❖ Selected speakers will be invited to make their presentations on the sub themes of the congress based on their abstract submitted
- ❖ Poster presentation: Researches are invited to submit the abstracts of their research work to present in the poster form in all the themes of the congress.

Exhibition and Advertisement

- ❖ A space for exhibition will be provided at the congress venue, details of charge, etc. will be made available in further circular of the congress. Sponsored advertisement will be included in the publications of the congress.

Host Organization/Collaborators

- ❖ Indian Society of Vegetable Science (ISVS), Varanasi: <http://isvs.org.in>
- ❖ Agriculture University, Jodhpur: <http://aujodhpur.ac.in/>
- ❖ ICAR-Indian Institute of Vegetable Research (IIVR), Varanasi: <https://iivr.org.in>
- ❖ Indian Council of Agricultural Research (ICAR), New Delhi: <http://www.icar.org.in/>
- ❖ Association for Promotion of Innovation in Vegetable (APIV), Varanasi
- ❖ National Horticulture Board (NHB), Gurugram, Haryana: <http://nhb.gov.in>
- ❖ Dr. Prem Nath Agricultural Science Foundation (PNASF), Bengaluru: <http://www.pnasf.org>
- ❖ Protection of Plant Varieties & Farmers' Rights Authority (PPV&FRA), New Delhi: <http://www.plantauthority.gov.in>

Sponsorship

- ❖ Organizers need sponsorship from different organizations for achieving the objectives of the conference in wider perspectives.

Language: English will be the official language of the congress.

Venue: Agriculture University, Jodhpur

Conference duration: 1-3rd February, 2019

Registration Fee

Registration Category	Up to 31 st December 2018	After 31 st December 2018
Scientist/Teacher/equivalent (Life Member of ISVS)	₹ 5,000/-	₹ 6,000/-
Scientist/Teacher/equivalent (Non-Life Member of ISVS)	₹ 6000/-	₹ 7,000/-
Student/Research Scholar	₹ 3000/-	₹ 3,500/-
Industry and private organizations	₹ 8,000/-	₹ 10,000/-
Accompanying member	₹ 3,000/-	₹ 4,000/-
Farmer	₹ 2,000/-	₹ 2,500/-

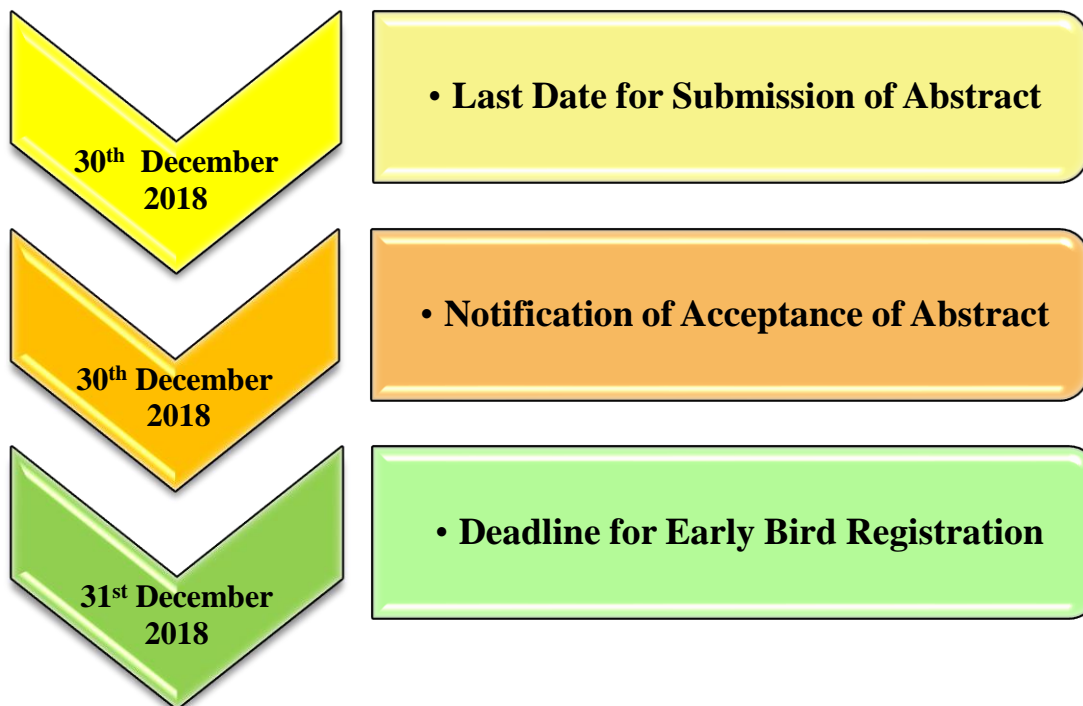
Registration fee should be sent on or before prescribed date through A/C payee Bank Draft drawn in favor of Secretary, ISVS payable at Varanasi. Outstation cheque will not be accepted. For online transfer of registration fee, following bank details may be used.

Account holder : Indian Society of Vegetable Science
Name of bank : State Bank of India, IIVR, Varanasi
Current A/C No.: 34585130510
IFSC : SBIN0014905

Accommodation

The registration fee does not include accommodation charges. Limited accommodation is available in the government guest houses. Most of the delegates will have to stay in hotels.

Important Dates



About the City and Agriculture University, Jodhpur

Jodhpur is the second largest city in the Indian state of Rajasthan and officially the second metropolitan city of the state. Jodhpur is a popular tourist destination, featuring many palaces, forts and temples, set in the stark landscape of the Thar Desert. Jodhpur lies near the geographic centre of the Rajasthan state, which makes it a convenient base for travel in a region much frequented by tourists. The Jodhpur city was founded in 1459 by Rao Jodha, a Rajput chief of the Rathore clan. The city is famous for its food and its popularity can be judged from the fact that one can find sweet shops named 'Jodhpur Sweets' in many cities throughout India. Agriculture University, Jodhpur was established on 14th September, 2013 by Government of Rajasthan under Agriculture University, Jodhpur Act 21 of 2013 to focus on holistic development of arid and semi-arid regions of the state. The university has one institute of diploma and three colleges to produce highly competent educated human resources in agriculture and allied sciences to prepare, plan and perform highly need based research in this acute water scarce but naturally rich bio-diversified zone of the country. The different units of teaching, research and extension are coordinating to systematically run by the headquarter situated at Mandor, Jodhpur.

Weather in Jodhpur

The climate of Jodhpur is hot and semi-arid during its nearly year-long dry season. The average temperature during February is 25-28 °C which is quite pleasant.

How to Reach Jodhpur

The city has well-established rail, road and air networks connecting it to other major cities of the country. The transport facility from Railway Station/Airport to guest houses and hotels will be provided by the organizers.

PARTICIPATION FORM

First Vegetable Science Congress on “Emerging Challenges in Vegetable Research and Education (VEGCON-2019)”

1-3rd February 2019, Jodhpur, Rajasthan

(Please mail or fax this form so as to reach the Organizing Secretary latest by 30th December 2018)

Name: Prof./Dr/Mr./Mrs./Ms. _____
(Please underline your last name)

Male/Female: _____

Country: _____

Address: _____

Tel. No.: _____

Fax.: _____

Email: _____

Sub-theme of interest: _____

I am interested in [Tick your option(s)]

- | | |
|--------------------------|-----|
| Attending the Conference | [] |
| Presenting an Oral paper | [] |
| Presenting a Poster | [] |

Signature

Mailing Address:

Dr. Balraj Singh

Chairman, Local Organizing committee

First Vegetable Science Congress on “Emerging Challenges in Vegetable Research and Education (VEGCON-2019)”

Agriculture University, Jodhpur

Mandor, Jodhpur-342304, Rajasthan

E-mail (Local Organizing Secretary): draujodhpur@gmail.com, singhummed@yahoo.co.in

For submission of abstract and registration please visit our website/email

www.isvs.org.in/vegcon-2019/, vegcon2019@gmail.com