

# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

## International Web-Conference

On

FOOD SECURITY THROUGH SUSTAINABLE AGRICULTURE (FSSA)

**VAKSANA-2020**

21-22 September, 2020

Venue: By online mode (Zoom Video Conferencing App)

Organized by

Shri Vaishnav Institute of Agriculture, Indore (M.P.), India



## About the University

### Shri Vaishnav Vidyapeeth Vishwavidyalaya

Shri Vaishnav Vidyapeeth Trust has sponsored the university to promote, implement and offer value based professional as well as vocational education and to organize personality and other training and development programs. Shri Vaishnav Vidyapeeth Vishwavidyalaya was established under Madhya Pradesh Niji Vishwavidyalaya (Sthapana Avam Sanchalan) Adhinyam in 2015 at Indore, Madhya Pradesh (India). The University is a multi-disciplinary institution focusing on the needs of various segments of the society.

Following are the constituent institutes/schools of the university:

- Shri Vaishnav Institute of Technology and Science
- Shri Vaishnav Institute of Information Technology
- Shri Vaishnav Institute of Textile Technology
- Shri Vaishnav Institute of Forensic Science
- Shri Vaishnav Institute of Architecture
- Shri Vaishnav School of Management
- Shri Vaishnav Institute of Journalism and Mass Communication
- Shri Vaishnav Institute of Science
- Shri Vaishnav Institute of Social Sciences, Humanities and Arts
- Shri Vaishnav Institute of Computer Applications
- Shri Vaishnav Institute of Fine Arts
- Shri Vaishnav Institute of Commerce
- Shri Vaishnav School of Law
- Shri Vaishnav Institute of Agriculture
- Shri Vaishnav Institute of Home Science
- The doctoral programs are governed by the Faculty of Doctoral Studies and Research

### Shri Vaishnav Institute of Agriculture

Shri Vaishnav Institute of Agriculture was started in the year 2018. It commenced the classes of first year of four year bachelors program in agriculture from the academic session 2018-19, leading to the degree of B.Sc. (Hons) Agriculture. Students are imparted teaching and training in theory besides hands on experience as well as honing skills to ensure world class quality and create higher levels of intellectual abilities in them.

Shri Vaishnav Institute of Agriculture hosts the Centre of Vocational Studies, which imparts training in organic farming, mushroom cultivation and bee keeping to name a few.

The Institute has started post graduate program in agriculture leading to M.Sc. (Agri.)-Genetics and Plant Breeding from the session 2020-21.



### ***Vaksana:***

*Vaksana* is a Sanskrit term and has many meanings like nourishing, invigorating, refreshing and fertile place. It was found appropriate to use *Vaksana* for the seminars and conferences by the Institute of Agriculture. All crop production is successful over fertile soil and once this is established, food crops, plantations, fruit plants and even forests give refreshing feeling and invigorate within an individual the sense of satisfaction and joy. And, of course, people also get nourishment from its produce, both food as well as fresh clean air to breathe.

### **About the International Web-Conference**

India is preparing itself to achieve second green revolution, after reaching the highest annual food grain production of 291.95 million tons in 2019-20; the targeted average production of food grains in 2020-21 is estimated to be 298.3 million tons. Ministry of Agriculture has set targets of 149.92 million tons of food production for *Kharif* 2020-21 and 148.4 million tons for *Rabi* 2020-21. Still, the productivity of major food grains is less as compared to other advanced countries of the world.

<b>Progress of area coverage under <i>Kharif</i> crop as on 24.07.2020 (Area In Lacs)</b>				
<b>Crop</b>	<b>Normal Area</b>	<b>Area sown</b>		<b>Increase (+)/ Decrease(-) over</b>
		<b>2020-21</b>	<b>2019-20</b>	<b>2019-20</b>
Rice	397.29	220.24	187.70	32.54
Pulses	128.88	99.71	79.30	20.41
Coarse Cereals	184.89	137.13	120.30	16.83
Oil Seeds	178.08	166.36	133.56	32.80
Sugar Cane	48.46	51.54	51.02	0.52
Jute & Mesh	7.87	6.94	6.84	0.10
Cotton	120.97	118.03	96.38	21.68
Total	1066.44	799.95	675.07	124.88

(Source: Ministry of Agriculture And Farmer's Welfare)

Crop production can be sustained through various interventions and one amongst these is Integrated Farming System (IFS). The integrated farming system approach introduces various enterprises like cropping system, animal husbandry, fishery, forestry, vermi-composting units, biogas units, ponds, horticulture etc. which have great potentialities in the agricultural economy on the single and same unit of holding of the farmer. These enterprises not only supplement the income of the small and marginal farmer but also help in engaging the family labour employment. The IFS models are devised to suit the given agro-climatic conditions and socio-economic status of the farmers. IMD has predicted normal monsoon for 2020 and monsoon will be 96-104% of long period average (LPA).

Pressure to produce more food from shrinking land with depleting natural resources coupled with climatic change is a challenging task for the farmers. The increase in agricultural productivity and growth can only be achieved through greater adoption of proven scientific technologies. Major emphasis is to be laid during the ongoing season on introduction of crop varieties/hybrids suited to diverse agro-ecologies and situations endowed with tolerance to various biotic and abiotic stresses, adoption of efficient, economic, eco-friendly and sustainable crop production and protection technologies.

The focus of the present conference will remain on the management of the scientific development of improved crop cultivars and appropriate crop production and protection technologies with a support from basic and strategic crop science research towards sustainable agriculture.

## Theme – FOOD SECURITY THROUGH SUSTAINABLE AGRICULTURE

### Sub- themes –

- Sustainable Agriculture through Natural Resource Management
- Role of Agricultural Engineering towards Sustainable Agriculture
- Eco-Friendly Pest and Disease Management for Sustainable Agriculture
- Integrated Farming System towards Sustainable Development of Agriculture and Economic Upliftment of Farming Community
- Agroforestry towards Sustainability
- Role of Horticulture towards Sustainability
- Role of Organic Farming in Sustainable Agriculture
- Enhancement of Soil Fertility for Sustainable Agriculture
- Sustainable Crop Production
- Importance of Biotechnological Approach in Sustainable Crop Production
- Agri-business Enterprises for Sustainable and Stable Economy for Farming Community
- Post-Harvest Management to Secure Crop Produce
- Climate Change and Its Impact on Sustainable Agriculture
- Innovative Approach to Support Sustainable Agriculture

**Poster Competition for Students** – Developmental Strategies in Agriculture during and post COVID-19 Pandemic. (The best three adjudged posters will be awarded with special certificates.)

### Call for Abstracts

Participants are invited to submit abstracts on their original and unpublished research work (maximum 300 words & 06 keywords) that should be written in Times New Roman font, double in spacing with 12 font size using Microsoft Word. Corresponding authors must be highlighted by asterisk (\*) with complete mailing address. Authors are also requested to submit their own research work in the form of research and review papers on the diverse field of agricultural, environmental and biological sciences, not exceeding 5000 words. Papers/abstracts to be submitted online along with registration format [iwcvaksana.sviag@gmail.com](mailto:iwcvaksana.sviag@gmail.com)

### Conference Session

The conference session covering all the sub-themes will be supported by the Invited Talk, Lead Talk, Oral Presentation and Poster Presentation by eminent and leading scientists, teaching faculties and research scholars from India and abroad on the relevant topics of the International Conference through online mode (Zoom Video Conferencing App), and also on Youtube live.

Oral/Poster presentation confirmation will be sent to participant's email after completion of registration process.

<b>Conference Registration Fee</b>		
<b>Categories</b>	<b>SAARC Countries (INR)</b>	<b>Other Countries (USD)</b>
<b>Students (UG &amp; PG)</b>	<b>100</b>	<b>\$2</b>
<b>Ph.D. Scholar, JRF &amp; SRF</b>	<b>200</b>	<b>\$3</b>
<b>Delegates/Scientists/ Professionals, RA &amp; PDF</b>	<b>300</b>	<b>\$5</b>

**\*Note:** Conference Registration Fee is Non Refundable/ Non-Transferable. Registration fee will cover only E-certificate and souvenir of the conference which will be sent by email to all registered participants.

For further queries and assistance, please contact:

Organizing Secretary, Dr. Yuvraj Shinde Mob: +91-9763063179,

Coordinator, Dr. Chhavi Tiwari Mob: +91-9838121844.

<b>Mode of Payment &amp; Account Details (NEFT/RTGS)</b>	
<b>Name of the Account</b>	<b>Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore</b>
<b>Name of the Bank</b>	<b>HDFC Bank Ltd.</b>
<b>Bank Address</b>	<b>Cloth Market, Indore (M.P.), India</b>
<b>Account Number</b>	<b>50100256398597</b>
<b>IFSC Code</b>	<b>HDFC0000281</b>
<b>MICR CODE</b>	<b>452240003</b>

<b>Important Dates</b>	
<b>Last date for Submission of Abstract</b>	<b>31 August, 2020</b>
<b>Last Date of Registration</b>	<b>31 August, 2020</b>
<b>With late fee (Rs. 500/- extra)</b>	<b>3 September, 2020</b>

**Chief Patron**

Hon'ble Shri Purushottamdas Pasari,  
Chancellor, SVVV, Indore, M.P. (INDIA)

**Patron**

Hon'ble Prof. Dr. Upinder Dhar,  
Vice Chancellor, SVVV, Indore, M.P. (INDIA)

**Organizing Chairperson**

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**Coordinator**

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**Co-Coordinator**

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### Inaugural Address

Prof. Dr. Upinder Dhar  
Hon'ble, Vice Chancellor, Shri Vaishnav Vidyapeeth Vishwavidyalaya  
Indore, M.P. (India)

### List of Eminent Speakers

#### International Speakers

Sr.No.	Speaker Name	Profile
1.	 <p><b>Dr. Javed Rizvi</b> (Guest of Honor)</p>	<p>Director, World Agroforestry, ICRAF South Asia Regional Program.</p> <ul style="list-style-type: none"> <li>➤ Over 25 years of work experience in the area of agricultural research for development, including in Agroforestry</li> <li>➤ Extensively involved in policy development and implementation related with agriculture, and specifically with the national agroforestry policies of several countries globally</li> <li>➤ Main interests include but not limited to agroforestry, food and nutrition security, soil health monitoring and restoration, agri-biodiversity, ecosystem services, agroforestry based NRM management, agroecology, market and value chain, and gender and youth inclusive sustainable agriculture development</li> <li>➤ Serves on various prestigious national committees in several countries, and supports many international initiatives in various capacities</li> <li>➤ Published more than 50 research papers and a book through Chapman and Hall, London; supervised Ph.D. and M.Sc. students; and recipient of national and international awards.</li> </ul>
2.	 <p><b>Dr. Velu Govindan</b> Chief- Guest (Keynote Speaker)</p>	<p>Senior Wheat Breeder, International Maize and Wheat Improvement Center (CIMMYT), Mexico.</p> <ul style="list-style-type: none"> <li>➤ He has more than 15 years of research experience in international agriculture specialized in crop improvement to alleviate poverty and reduce malnutrition through improved cultivars.</li> <li>➤ He is developing wheat varieties that feature enhanced levels of grain iron and zinc for improved human nutrition, along with essential core-traits such as higher yield potential, disease resistance, stress tolerance and better processing quality suitable for South Asia. Several zinc enriched bio-fortified wheat varieties released in target countries including India.</li> <li>➤ He has published widely in this field and is currently engaged in mainstreaming grain Zn in CIMMYT wheat breeding program. He has received awards, including the Jawaharlal Nehru best PhD thesis research award from ICAR, India. He is member of National Academy of Sciences and Crop Science Society of America.</li> </ul>

3.	 <p><b>Dr. D. P. Abrol</b> (Resource Person) FNAAS; FRES (UK)</p>	<p>Dean, Faculty of Agriculture, Sher-e-Kashmir University of Agricultural Sciences and Technology – Jammu, U.T. of J&amp;K, India.</p> <ul style="list-style-type: none"> <li>➤ He has served as Head of the Division of Entomology from August 2008 to February 2015 and Controller of Examinations during 2012. He has specialized in pest management, honeybee management and pollination biology.</li> <li>➤ He has authored 18 books, 12 manuals and published over 250 original research papers in various national and international journals. He has completed several externally funded collaborative research projects with international organizations in Poland and Switzerland.</li> <li>➤ Prof Abrol has visited South Korea, Malaysia, Saudi Arabia and several other countries as a special invitee to these countries. In addition, he has received letters of appreciation from different organizations.</li> <li>➤ Prof Abrol is a Fellow of the National Academy of Agricultural Sciences, India, and a Fellow of the Royal Entomological Society London, UK. He is a recipient of the Young Scientist Award (1992) — conferred by the Jammu and Kashmir State Council for Science and Technology - a prestigious state award for his outstanding contributions in the field of agricultural sciences.</li> <li>➤ He is also the recipient of Pran Vohra Award 1993 — a prestigious Young Scientist Award conferred by the Indian Science Congress Association, Calcutta, for his outstanding and innovative research in the field of agricultural sciences.</li> <li>➤ He was also conferred the Prof T. N. Ananthkrishnan Award 1997–1998 — a prestigious national award for his outstanding contributions in the field of entomology by the T. N. Ananthkrishnan Foundation, G.S. Gill Research Institute, Chennai. Prof Abrol won the Dr Rajendra Prasad Puruskar 1999–2000 award — a prestigious national award from the Indian Council of Agricultural Research, New Delhi, for his Hindi book on beekeeping entitled ‘Madhmakhi Palan-Sidhant Evam Vidhian’. He received the 11th Apicultural Association Award (2010) for outstanding contributions in apiculture. King Saud University conferred on him a gold medal for development of apiculture in Asia.</li> </ul>
4.	 <p><b>Dr. Sanjay Kumar Sharma</b> (Resource Person)</p>	<p>Deputy Director Instructions, RVSKVV, Gwalior, PI, ICAR-World Bank Project, RVSKVV, Gwalior M.P.</p> <ul style="list-style-type: none"> <li>➤ He has more than 25 year teaching and research experience. He has received the ICAR Senior Research Fellowship and IIT Fellowship from Ministry of HRD, Government of India for Ph.D. from IIT, Kharagpur.</li> <li>➤ He has guided 55 M.Sc. students as a major and minor guide and mentored 5 students for doctoral studies. Regarding the research activities and handled 18 National and internationally collaborated</li> </ul>



		<p>projects as a PI and Co-PI. Such as JICA, NAIP, NATP, ADB assisted projects in collaboration with ICRISAT, NICRA, TSP, ICAR funded ad-hoc projects etc.</p> <ul style="list-style-type: none"> <li>➤ He has also developed a number of technologies for land, water and nutrient management.</li> <li>➤ He published 150 research papers in National and International journals, written 15 book chapters and presented more than 100 abstracts in various seminars and symposia. He is authored 3 books (with ISBN numbers).</li> </ul>
5.	 <p><b>Dr. Shankar Lal Jat (Resource Person)</b></p>	<p>Scientist (Sr. Scale) Agronomy, ICAR-Indian Institute of Maize Research, New Delhi.</p> <ul style="list-style-type: none"> <li>➤ He has worked from last 10 years and developed technologies for conservation agriculture based intensive maize production system. Dr Jat got 5 weeks training on the conservation agriculture (CA) at CIMMYT, Mexico in 2012 and is instrumental in establishment of CA platforms in various agro-ecologies in maize based farming system in India.</li> <li>➤ Dr Jat has more than 90 research papers to his credit with Google score citation of 925 and h-index of 18. He has research-gate score of 29.6. He is actively involved in development of inter institute collaboration and developing linkages with stakeholder for maize promotion. Dr Jat is recipient of FAI Golden Jubilee Award for excellence in Fertilizer Use Research, Dhiru Moraraji Memorial Award, IARI Gold Medal, Appreciation Certificate from Govt. of Afghanistan, Shreeram Puruskar, IIMR best Scientist Award, Recognition Award IIMR, Young Scientist Award of Maize technologists Association of India etc.</li> </ul>
6.	 <p><b>Dr. B. D. Shinde (Resource Person)</b></p>	<p>Assistant Professor, Department of Agril. Entomology, College of Agriculture, Dr. B.S. Konkan Krishi Vidyapeeth, Dapoli, Maharashtra, India.</p> <ul style="list-style-type: none"> <li>➤ Length of service 16 years in research and teaching and extension.</li> <li>➤ Involvement and development and released 8 crop varieties.</li> <li>➤ Recommended 17 research recommendations</li> <li>➤ Published 42 research papers and 4 book chapters.</li> <li>➤ Working in 08 externally funded research projects.</li> <li>➤ Awarded by Prof. P. Kameshwar Rao Award 2018, Vasantrya Naik Memorial Gold Medal 2012, Madhumakshika Mitra 2011 and Krishi Mitra Award 2011.</li> <li>➤ Working as member of State Level Steering Committee HORTSAP.</li> <li>➤ Life member of several professional societies.</li> <li>➤ Delivered 25 radio talks, 09 TV talks, published 10 folders, 43 popular articles, 02 booklets etc.</li> </ul>

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On

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**VAKSANA-2020**

**21 – 22 September, 2020**

Venue: By online mode (Zoom Conferencing App)

## Registration form

Name: Mr. /Ms. /Dr. /Prof. (In Block Letter): \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Mailing Address with Pin Code: \_\_\_\_\_

E-mail: \_\_\_\_\_

Contact Number: Gender: \_\_\_\_\_

Title of Abstract/Paper: \_\_\_\_\_

Sub-theme: \_\_\_\_\_

Category of Participation (Faculty/Scientist/Research Scholar/Students/Others): \_\_\_\_\_

### Fee Details

Cash Receipt/NEFT/Net Banking Ref. No. ....

Date..... Conference Registration Fee (Rs.).....

Total Amount (Rs.).....

Date: .....

Place: .....

Signature of Applicant

**Note:** Kindly send the duly filled MS-Word file of registration form along with the fee details via E-mail to: [iwcvaksana.sviag@gmail.com](mailto:iwcvaksana.sviag@gmail.com)