

INTERNATIONAL WEBINAR
RECENT APPROACHES IN PLANT BIOLOGY: PAVING THE WAY FOR
GREEN AGRICULTURE

3rd and 4th DECEMBER, 2020



Organized by

Department of Biological Sciences
College of Basic Sciences and Humanities,

G. B. Pant University of Agriculture and Technology, Pantnagar-263145, Uttarakhand, India

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Chief Patron: Dr. Tej Pratap, Hon'ble VC, GBPUA&T, Pantnagar

Patron: Dr. Sandeep Arora, Dean CBSH, GBPUA&T, Pantnagar

Convener: Dr. Preeti Chaturvedi, HoD, Biological Sciences, GBPUA&T, Pantnagar

Participation open for Science graduates, Postgraduates, Research Scholars, Faculty members, Scientists, National, International academia and industry personnel

Keynote Speaker

Dr. Ashok K. Dhawan

Vice President, KamTek Inc. 4851,
International Blvd, Frederick, Maryland,
USA

**Title- Sustainable Sugarcane Cultivation:
a Physiological Perspective**

Day 1



Registration fee – 100 INR (Indian participants)

1000 INR (International participants)

Online payment only

Account number-4446000100024768

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Pantnagar**

E-certificate for registered participants

**Last date of online registration and fees submission-
30th November, 2020**

Online registration link-

<https://forms.gle/3vYfPhHQNF3brHdQA>

Venue: Google meet/Zoom

Plenary Speakers

Dr. Shilpi Paul

Scientist E, DST SERB, New Delhi

**Title- Green Agriculture- Approach and
Opportunity**

Day 2



Dr. Shubhpriya Gupta

College of Agriculture, Engineering and
Science

University of KwaZulu-Natal

Pietermaritzburg Campus, South Africa

**Title- Role of Natural Biostimulants in
Plant Growth and Development**

Day 2



**Separate link for attending the webinar will be
shared one day before the scheduled date**

Date: 3rd December at 4pm onwards

& 4th December at 2pm

**Dr. Preeti
Chaturvedi
Organizing
Secretary**

**Dr. P. B. Rao
&
Dr. A.K. Sharma
Co-conveners**

**Dr. D. S. Rawat
Co-convener &
Co-organizing
Secretary**

Dr. Ashok Dhawan has 35 years of experience in the areas of Biotechnology and Physiology. His widely-respected discovery, as a part of the team at Australian National University, establishing the occurrence of “G-substances” as a new class of growth regulator, finds a place in classic textbooks. As a partner in National Mission projects of the Government of India, his innovations lead to an understanding of mechanisms of low-temperature tolerance and the development of PCR-based markers to identify specific alleles of sucrose synthase-2 and invertase genes. His work at the University of California Davis proposed a new mechanism for nitrate reduction, which has been widely acknowledged.

He served as a Dean at the Central University of Punjab, Dean (Academic) National Institute of Food Technology Entrepreneurship and Management, and Director (Technical) in the Haryana State Department of Science and Technology. He has published 143 research papers and presented 75 papers at conferences around the globe, including as a lead speaker at World Biotechnology Congress, Chicago. A scientist of renown, he is a Fellow of two professional bodies and has been conferred with Neel Deer Award (2008) by President of India A. P.J. Abdul Kalam. With his wide vision and deep understanding of research and administrative needs of R&D organizations, Dr. Dhawan leads KamTek in business development and commercialization plans.

Dr. Shilpi Paul completed her Ph.D. from Central Institute of Medicinal and Aromatic Plants- CSIR India in genetic improvement of *Artemisia annua*. She started her career with a biotech company MAHYCOZ – Maharashtra in the area of transgenic plants. She joined as a senior scientist in G.B. Pant National Institute of Himalayan Environment & Sustainable Development, Kosi Katarmal, Almora, Uttarakhand. Later she joined Science and Engineering Research Board-DST, New Delhi, where she is working as Scientist E and from 2016 to date. Currently, she is looking for Organismal and evolutionary Biology- Plant, Women Excellence award, Energy, Environment and Climate Change domain under IMPRINT- 2.

She has published several papers, book chapters, articles, developed high artemisinin yielding a variety of *Artemisia annua*- CIM Arogya, and transferred technology to many pharmaceutical companies. She has two patents which are granted in more than 7 countries. She has received several recognitions and national awards as a team member (Best Invention Award- 2007, Recognition from former President Dr. APJ Abdul Kalam on Nation Technology Day eve address- 2007) and as an individual (CSIR-CIMAP for significant contribution to the development of *Artemisia annua* variety 'CIM-Arogya' linking pharma industry and farmers and strengthening the mission to fight malaria) are also in her credit. She is a member of different scientific societies and a fellow of the society of applied biotechnology.

Dr. Shubhpriya Gupta is presently appointed as a postdoctoral fellow at the University of Kwa Zulu-Natal, Pietermaritzburg, South Africa. She did her Ph.D. in Botany from G.B.P.U.A&T, India. She is one of the leading young researchers in biostimulant research. She has recently published two ground-breaking research articles entitled ‘Preparation and standardization of smoke-water for seed germination and plant growth stimulation (Journal of Plant Growth Regulation) and ‘Role of smoke stimulatory and inhibitory biomolecules in phytochrome-regulated seed germination of *Lactuca sativa* (Plant Physiology).

She is a Review Board Editor in the South African Journal of Botany, Elsevier publication. Recently, she edited an special issue on “Endophyte Research” for the South African Journal of Botany as a Lead Guest Editor. She is currently editing a book on ‘Biostimulants for crops from seed germination to plant development,’ for Elsevier publishing house. Simultaneously, she is handling a special issue on “seed physiology as a Lead Guest Editor for ‘Plant Growth Regulation,’ Springer publication. She is Research Committee Board Member, at the Institute of Applied Medicine and Research, Ghaziabad, India. She has established several national and international collaborations such as with Rutgers University, USA and Palacký University, Czech Republic.