

# MESSAGES

आनंदीबेन पटेल  
राज्यपाल, उत्तर प्रदेश



राज भवन  
लखनऊ - 226 027  
26 जून, 2023

## सन्देश

मुझे यह जानकर अत्यन्त प्रसन्नता हुई कि लखनऊ विश्वविद्यालय, लखनऊ के वनस्पति विज्ञान विभाग द्वारा 23 से 25 नवम्बर, 2023 तक 'द इंडियन सोसाइटी ऑफ एग्रीकल्चर बायोकेमिस्ट्स' की राष्ट्रीय कान्फ्रेंस 'जलवायु परिवर्तन के तहत सतत कृषि, पर्यावरण और स्वास्थ्य के लिए जैविक विज्ञान में वर्तमान रुझान' विषय पर आयोजित की जा रही है।

वर्तमान युग में बढ़ती हुई जनसंख्या हेतु खाद्यान एवं उसके स्वास्थ्य को सुनिश्चित करने के लिए कृषि एवं पर्यावरण आधारित आधुनिक वैज्ञानिक विधियों के माध्यम से फसलों की पैदावार एवं वातावरण की सुदृढ़ अनुकूलता के मध्य गहरे संबंधों पर किये गए शोध आधारित विषयों पर जनोपयोगी चर्चा की विशेष आवश्यकता है। मुझे विश्वास है कि यह राष्ट्रीय सम्मेलन वरिष्ठ एवं युवा वैज्ञानिकों द्वारा आधुनिक प्रौद्योगिकी के माध्यम से मानव कल्याण हेतु ज्ञानवर्द्धक उपयोगी जानकारी उपलब्ध कराने में सहायक सिद्ध होगा।

कान्फ्रेंस के सफल आयोजन के लिए मैं अपनी हार्दिक शुभकामनाएँ प्रेषित करती हूँ।

आनंदीबेन  
( आनंदीबेन पटेल )

योगी आदित्यनाथ



मुख्य मंत्री  
उत्तर प्रदेश

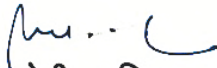
लोक भवन,  
लखनऊ - 226001  
दिनांक: 07 SEP 2023

## संदेश

मुझे यह जानकर अत्यन्त प्रसन्नता की अनुभूति हो रही है कि वनस्पति विज्ञान विभाग, लखनऊ विश्वविद्यालय द्वारा दिनांक 23 से 25 नवम्बर, 2023 तक 'द इण्डियन सोसाइटी ऑफ एग्रीकल्चर बायोकेमिस्ट्स' की राष्ट्रीय कॉन्फ्रेंस का आयोजन किया जा रहा है।

प्राकृतिक संसाधनों का क्षरण एवं प्रदूषित होना, स्थिर उत्पादकता एवं मानव स्वास्थ्य पर प्रतिकूल प्रभाव वर्तमान में प्रचलित कृषि पद्धति के दुष्परिणाम के रूप में परिलक्षित होने लगे हैं। कृषि उत्पादन में बढ़ोत्तरी, प्राकृतिक संसाधनों के संरक्षण, पर्यावरण सुधार, मानव स्वास्थ्य के लिए समुचित पोषण के साथ-साथ कृषकों की आय में वृद्धि के लिए पर्यावरण हितैषी कृषि पद्धति को अपनाना आवश्यक है। इसके दृष्टिगत राष्ट्रीय कॉन्फ्रेंस का आयोजन सराहनीय है। मुझे आशा है कि वैज्ञानिकों के राष्ट्रीय स्तर के इस विचार मंथन के माध्यम से उपयोगी सुझाव प्राप्त होंगे।

आयोजन की सफलता हेतु मेरी हार्दिक शुभकामनाएं।

  
( योगी आदित्यनाथ )



कृषि वैज्ञानिक चयन मंडल  
( कृषि अनुसन्धान और शिक्षा विभाग )  
कृषि अनुसन्धान भवन - 1, नई दिल्ली - 110012  
**AGRICULTURAL SCIENTISTS RECRUITMENT BOARD**  
(DEPARTMENT OF AGRICULTURAL RESEARCH & EDUCATION)  
KRISHI ANUSANDHAN BHAWAN-I, NEW DELHI-110012



डॉ संजय कुमार एक एन ए, एक एन ए स सी, एक एन ए ए एस सी, एक सी आई एस आई  
अध्यक्ष

**Dr. Sanjay Kumar** FNA, FNAsc, FNAAsc, FCISI  
Chairman

18<sup>th</sup> September, 2023



**MESSAGE**

I am pleased to learn that the Department of Botany, University of Lucknow, Indian Society of Agricultural Biochemists, and CS Azad University of Agriculture & Technology, Kanpur are jointly organizing a National Conference on '**Current Trends in Biological Sciences for Sustainable Agricultural, Environment and Health Under Climate Change & XV Convention of The Indian Society of Agricultural Biochemists**' at the University of Lucknow, Lucknow during November 23-25, 2023. My sincere congratulation to the organizers for this endeavor.

Agricultural, environment and health are intertwined and form the basis for the development and sustainability of any society and nation. Technologies are changing rapidly, and new concepts such as precision agriculture and climate-smart agriculture involving Big Data, Internet of Things, and cloud computing are emerging. A culture of start-ups, value creation and agri-entrepreneurship has taken root. Therefore, it is important that such a conference is organized to share ideas and make a leap forward.

I am confident that the scientific discourse of experts during the national conference will be useful for improving harvests under climate change conditions and pave the way for quality agricultural education for universities and students.

I wish the organizers a great success for the conference.

  
(Sanjay Kumar)



प्रो. आलोक कुमार राय  
कुलपति  
**Prof. Alok Kumar Rai**  
Vice-Chancellor

लखनऊ विश्वविद्यालय  
(नेक द्वारा A++ ग्रेड प्रत्यायित)  
लखनऊ-226007 (उ.प्र.) भारत  
**University of Lucknow**  
(Accredited A++ by NAAC)  
Lucknow-226007 (U.P.) India



## Message

I am happy to know that Department of Botany, University of Lucknow and Indian Society of Agricultural Biochemists (ISAB), CS Azad University of Agriculture & Technology, Kanpur are jointly organizing a National Conference on 'Current Trends in Biological Sciences for Sustainable Agriculture, Environment and Health Under Climate Change & XV Convention of the Indian Society of Agricultural Biochemists' at the University of Lucknow, Lucknow from November 23-25, 2023.

I extend a very warm welcome to the society members and the delegates participating in this prestigious academic meet. I am confident that presentations and discussion of the conference may enlighten and explore various possibilities for quality improvement of the crops with their physiological efficiency and productivity under changing climatic conditions to safeguard food, health and environment for future generations.

The conclave would be common platform for Agriculturists, Biochemists, Plant Physiologists, Biotechnologists, Environmentalists, Food Technologists and Agri-Entrepreneurs to interact on recent developments in their specific areas and its role in addressing food, nutrition and health securities.

I congratulate the organizers and convey my best wishes for the grand success of the Conference.

September 23, 2023

  
(Prof. Alok Kumar Rai)



डा. आनन्द कुमार सिंह  
कुलपति  
Dr. Anand Kumar Singh  
Vice-Chancellor



चन्द्रशेखर आजाद कृषि एवं प्रौद्योगिक विश्वविद्यालय,  
कानपुर-२०८ ००२, उत्तर प्रदेश, भारत  
C.S. Azad University of Agriculture & Technology,  
Kanpur - 208 002, Uttar Pradesh, India

Phone: 0512-2534155  
Fax: 0512-2533808  
E-mail: vc@csauk.ac.in  
website: csauk.ac.in

### MESSAGE

"I am delighted to learn about the collaboration between the Indian Society of Agricultural Biochemists, Department of Agricultural Biochemistry at C. S. Azad University of Agriculture & Technology in Kanpur, and the Department of Botany at the University of Lucknow for hosting the National Conference on 'Current Trends in Biological Sciences for Sustainable Agriculture, Environment, and Health under Climate Change,' alongside the XV Convention of the Indian Society of Agricultural Biochemists. This event will take place at the University of Lucknow from November 23 to 25, 2023.

Enhancing crop productivity, ensuring environmental sustainability, and safeguarding human and animal health stand as pivotal pillars for a nation's progress. A profound comprehension of the intricate interplay between agriculture, the environment, and health amid the challenges posed by climate change is indispensable for their harmonious coexistence and long-term viability. Recent strides in 'omics' methodologies have significantly enriched our understanding of biochemical pathways, playing a vital role in elevating crop yield and efficiency. This conference serves as a collaborative platform for agriculturists, biochemists, molecular biologists, and nutritionists to unite and formulate recommendations for elevating crop quality and advancing post-harvest technologies."

I extend my best wishes for a highly successful conference.



(A.K. Singh)

Dated: November 14, 2023



सत्यमेव जयते

डॉ. हिमांशु पाठक  
**DR. HIMANSHU PATHAK**  
सचिव (डेयर) एवं महानिदेशक (आईसीएआर)  
Secretary (DARE) &  
Director General (ICAR)

भारत सरकार  
कृषि अनुसंधान और शिक्षा विभाग एवं  
भारतीय कृषि अनुसंधान परिषद  
कृषि एवं किसान कल्याण मंत्रालय, कृषि भवन, नई दिल्ली-110 001

**GOVERNMENT OF INDIA**  
**DEPARTMENT OF AGRICULTURAL RESEARCH AND EDUCATION (DARE)**  
**AND**  
**INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR)**  
**MINISTRY OF AGRICULTURE AND FARMERS WELFARE**  
Krishi Bhavan, New Delhi 110 001

Tel: 23382629 / 23386711 Fax: 91-11-23384773  
E-mail: dg.icar@nic.in



### **Message**

I am happy to know that Department of Botany, University of Lucknow and Indian Society of Agricultural Biochemists (ISAB), C.S. Azad University of Agriculture & Technology Kanpur are jointly organizing a National Conference on 'Current Trends in Biological Sciences for Sustainable Agriculture, Environment and Health under Climate Change' alongwith the XV Convention of ISAB at University of Lucknow, Lucknow from November 23-25, 2023.

It is gratifying to learn that the Conference will focus over the important research themes of sustainable agriculture and environment such as Omics to enhance plant/crop productivity. The presentations and discussions of the conference may certainly enlighten to agriculture scientists and students linked with quality improvement of the crops under changing climatic conditions in times to come to safeguard food and survival of the future generations.

I am confident, that the recommendations resolved through this National Conference may definitely be very useful for designing and strengthening the agriculture and environment related priorities to enhance agri- socio-economy of the farmers linked with intensive and précised crop care cultivation technologies under climate change.

I congratulate the organizers and convey my best wishes for the grand success of the Conference.

**(Himanshu Pathak)**

**3<sup>rd</sup> August, 2023**  
**New Delhi**



डॉ. एम.एस. चौहान

एफ.एन.ए., एफ.एन.ए.एससी., एफ.एन.ए.एस., एफ.एन.ए.बी.एस.

कुलपति

Dr. M. S. Chauhan

FNA, FNASc, FNAAS, FNADS

Vice-Chancellor



गोविन्द बल्लभ पंत कृषि एवं प्रौद्योगिक विश्वविद्यालय  
पंतनगर – 263145, जिला – ऊधमसिंह नगर (उत्तराखण्ड) भारत  
G.B. Pant University of Agriculture & Technology  
Pantnagar - 263145 (Uttarakhand) India

### MESSAGE

I am happy to note that the Department of Botany, University of Lucknow, Lucknow is organizing a National Conference on “**Current Trends in Biological Sciences for Sustainable Agriculture, Environment and Health under Climate Change**” during 23-25 November, 2023 in collaboration with the Indian Society of Agricultural Biochemists and the CSAUA&T, Kanpur. I am informed that this conference will focus on the current trends in biological sciences to address the sustainability of Agriculture, Environment and Health in the present scenario of a changing climate.

Climate change has been affecting the environment in multiple dimensions which poses a major challenge to our agriculture, livestock and also human health. In the last few decades after independence, our country has made significant advances in agricultural production as well as livestock products such as milk, meat and eggs. Being the most populous nation, there lies immense challenges to meet the demands of a growing population. At the same time, sustainable use of our natural resources is also important. With global focus on food and nutritional security as well as the “**One Health**” concept, it is imperative to address these issues simultaneously.

I am sure that the deliberations of this conference will address all these issues and provide the scientific community an opportunity to share their ideas.

I appreciate the efforts of the organizers and wish the conference a great success.

(M. S. Chauhan)





**Vice Chancellor Office**

Banda University of Agriculture & Technology, Banda-210001, U.P. Tele Fax No:- 05192-232305

Ph-05192-232305; website: [buat.edu.in](http://buat.edu.in); email-vc.buat@gmail.com, vcuat.bn-up@gov.in

Ref.:- VC/2023/150

Date: 22 /07/2023

It is a matter of delight to learn that the Indian Society of Agricultural Biochemist, CSAUAT, Kanpur and Lucknow University, Lucknow jointly organizing the National Conference on “Current Trends in Biological Sciences for Sustainable Agriculture, Environment and Health under Climate Change & XV Convention of the Indian Society of Agricultural Biochemists” during November 23-25, 2023. Inadequate chemical inputs for agricultural output, industrial expansion and climate change all contribute to degradation of the environment, which has an impact on both human and animal health. In addition to shifting ecosystems, biodiversity loss and greater susceptibility to natural disasters, climate change has a profound impact on the environment. Thus, the use of biological sciences in agriculture, the environment and health has grown in importance during recent past. The interaction between academicians and their diverse counterparts at this conference will undoubtedly contribute significantly to the dissemination of knowledge and best practices. I congratulate organizers and all the delegates participating in this conference and wish them a grand success.



**(Narendra Pratap Singh)**  
Vice Chancellor



सीएसआईआर-केन्द्रीय औषधीय एवं सगंध पौधा संस्थान  
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)  
कुकरैल पिकनिक स्पॉट रोड, पी.ओ.-सीमैप, लखनऊ-226 015, उ.प्र., भारत



**CSIR-Central Institute of Medicinal and Aromatic Plants**  
(Council of Scientific & Industrial Research)  
Kukrail Picnic Spot Road, P.O. CIMAP, Lucknow-226 015, U.P., India

डॉ. प्रबोध कुमार त्रिवेदी, एफएनए, एफएएससी, एफएनएएससी, एफएनएएस  
जे.सी. बोस नेशनल फेलो  
निदेशक

**Dr. Prabodh Kumar Trivedi**, FNA, FASc, FNASc, FNAAS  
JC Bose National Fellow  
**Director**


**Date: 20/09/2023**



### Message

It is a matter of immense pleasure for me to know that the Department of Botany, University of Lucknow is organizing a National Conference on “Current Trends in Biological Sciences for Sustainable Agriculture, Environment and Health Under Climate Change” during 23-25 November, 2023, in Lucknow. Due to the looming challenges of global climate change, this conference is very timely and its importance is increased due to its association with the XV Convention of the Indian Society of Agricultural Biochemists. I am sure that it will bring together experts from academia, research, and industry to discuss the latest issues associated with climate change and its mitigation. The associated convention will be a major attraction for various stakeholders like climate scientists and agriculturalists. Overall, the conference will be providing a common platform to academicians, scholars, entrepreneurs, technologists, industry and other stakeholders, enabling them to interact among themselves towards beneficial goals. It will lead to exchange of ideas and information about climate change-related issues at the national level. The participation of renowned experts is expected to enrich the experience and promote a synergy towards future collaborations. The different scientific sessions will facilitate exchange of ideas and enable scientific interactions. The theme of the conference is highly relevant for young research scholars and I am very hopeful that the event will facilitate the galvanization of young minds towards climate science. I am confident that the conference will be scientifically fruitful to all the participants and would be a great success with the proven track record of the organizers from the prestigious Department of Botany, University of Lucknow.

I wish a pleasant stay for all the participants in the culturally-rich city of Lucknow.

  
(Prabodh K. Trivedi)



डॉ. रासप्पा विश्वनाथन  
निदेशक  
Dr. Rasappa Viswanathan  
Director

भाकृअनुप-भारतीय गन्ना अनुसंधान संस्थान  
रायबरेली रोड, पोस्ट दिलकुशा, लखनऊ-226 002, भारत  
ICAR - INDIAN INSTITUTE OF SUGARCANE RESEARCH  
Raebareli Road, Post Dilkusha, Lucknow-226 002, India



### Message

I am happy to know that Department of Botany, University of Lucknow, Lucknow is organizing a National Conference on *Current Trends in Biological Sciences for Sustainable Agriculture, Environment and Health under Climate Change & XV Convention of the Indian Society of Agricultural Biochemists* in association with the Indian Society of Agricultural Biochemists, C. S. Azad University of Agriculture & Technology, Kanpur on November 23<sup>rd</sup>- 25<sup>th</sup>, 2023.

Climate is the most important contributing factor towards the crop production, particularly in our country, where about 2/3<sup>rd</sup> of the agricultural land comes under rainfed area with climatic change having a large-scale impact on agriculture directly or indirectly. To mitigate the adverse effect of the climatic changes, there is a need to develop holistic approach towards the sustainable agricultural goals, capacity building programmes, and development activities. These actions have to be accompanied by long-term sustained actions towards generation and strengthening of strategic knowledge system in key impact sectors like land, water, agriculture, environment, energy, and health, etc. by building human and institutional capacity.

This national conference has provided a platform to scientists, researchers and students from diverse spheres of agricultural science and technology to share their experience, innovative ideas, issues, recent trends and future directions and learn about various developments in the field of agricultural science, environment and sustainable development. I am confident that the delegates would interact and gather a lot of information from the eminent personalities/speakers. I extend all my best wishes to the event for the purpose of achieving its goal of environmental conservation and sustainable development.

I wish the Conference a grand success.

  
(R. Viswanathan)



**Prof. G.P. Srivastava**  
Hon. General Secretary  
Indian Society of Agricultural Biochemists  
Department of Agricultural Biochemistry  
C.S. Azad University of Agriculture & Technology  
Kanpur- 208 002, U.P., India

## **INDIAN SOCIETY OF AGRICULTURAL BIOCHEMISTS- BRIEF REPORT**

The Indian Society of Agricultural Biochemists was founded by me in the year 1985, with its Headquarters in the Department of Agricultural Biochemistry, C.S. Azad University of Agriculture & Technology, Kanpur. The Society celebrated its Silver Jubilee in the year 2010 on completion of 25 years of successful journey and organized an International Conference in February 2010 at Banaras Hindu University, Varanasi on this occasion. It has completed 38 years on November 04, 2023.

The Society is marching ahead with the following specific objectives:

- To promote research in the areas of Agricultural Biochemistry
- To publish journal, proceedings, memoirs, transactions, and other works, as may be considered desirable
- To cooperate with other organizations in India and abroad having similar and allied objectives, and to appoint representatives of the Society to act on national and international bodies
- To organize meetings, symposia, lectures and discussions for the promotion of the subject
- To secure and manage funds and endowments for the promotion of research in Agricultural Biochemistry
- To accept grants, donations or endowments from Govt. or other organizations, or individuals, for project or purposes which do not violate the spirit of this constitution, such as the award of scholarships, research grants, prizes or medals for the promotion of research development in the area of Agricultural Biochemistry and allied fields
- To undertake such other activities as may assist in or be necessary for the fulfilment of the above mentioned objectives

The Society has so far organized the following Fourteen Conventions, Nine National Symposia and Five International Conferences during the past 38 years.

- First Convention and Symposium on Biochemistry of Photosynthesis and Nitrogen Assimilation at Chandra Shekhar Azad University of Agriculture & Technology, Kanpur, the headquarters of the Society, October 27-28, 1988.
- Second Convention and Symposium on Plant Biotechnology-Opportunities and Challenges at Narendra Deva University of Agriculture & Technology, Narendra Nagar (Kumarganj), Faizabad, March 14-15, 1991.
- Third Convention of the Society and International Conference on Biotechnology in Agriculture and Forestry at the Indian Agricultural Research Institute, New Delhi, February 15-18, 1993.

- Fourth Convention of the Society and Symposium on Recent developments in Biochemistry at Banaras Hindu University, Varanasi, March 20-21, 1995.
- Fifth Convention of the Society and Symposium on Modern Perspectives in Biochemistry at Lucknow University, October 25-27, 1996.
- Sixth Convention of the Society and Symposium on Research and Education in Agricultural Biochemistry in the next century at Gujarat Agricultural University, Junagadh, November 11-13, 1998.
- Seventh Convention of the Indian Society of Agricultural Biochemists and Sixth Convention of SGVR (Indian Chapter) and Symposia on Emerging Trends in Agricultural Biochemistry and Regulation of Metabolic Pathways for Crop Improvement, and Recent Development in Green Vegetation and Leaf Protein Research at C.S. Azad University of Agriculture & Technology, Kanpur, February 24-26, 2000.
- Eighth Convention of the Indian Society of Agricultural Biochemists and National Symposium on Metabolic Pathway Studies for Crop Improvement at Tamil Nadu Agricultural University, Coimbatore, December 13-15, 2001
- Ninth Convention of the Indian Society of Agricultural Biochemists and National Symposium on Bioprospecting of Commercially Important Plants at the Assam Agricultural University, Jorhat, Assam, November 12-14, 2003.
- Tenth Convention of the Indian Society of Agricultural Biochemists and International Conference on Post-Harvest Technology and Value Addition in Cereals, Pulses and Oilseeds at Chandra Shekhar Azad University of Agriculture & Technology, Kanpur, November 27-30, 2006.
- Eleventh Silver Jubilee Convention of the Indian Society of Agricultural Biochemists and International Conference on Role of Biomolecules in Food Security and Health Improvement at Banaras Hindu University, Varanasi, February 17-20, 2010.
- Twelfth Convention of the Indian Society of Agricultural Biochemists and International Conference on Role of Plant Biochemistry and Biotechnology in Food and Nutrition Security at Sri Venkateswara University, Tirupati, Andhra Pradesh, December 11-14, 2013
- Thirteenth Convention of the Indian Society of Agricultural Biochemists and International Conference on Nutraceuticals and Functional Foods at Anand Agricultural University, Anand, Gujarat, December 06-08, 2016
- Fourteenth Convention of the Indian Society of Agricultural Biochemists and National Food and Nutritional Security Conclave at Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra, February 25-27, 2019

Very useful recommendations emerged from these Symposia and Conferences which were sent to all the Agricultural Universities, Research Institutes and Govt. Organizations for their adoption. The Society also publishes biannually the research journal 'Indian Journal of Agricultural Biochemistry' with a present NAAS rating of 4.38. The journal has gained wide popularity, both at the national and International levels. The research papers published in the Journal are abstracted by World Abstracting Services, including ISI, Publication Processing, Thomson Reuters, CAB Abstracts, Chemical Abstracts, Indian Science Abstract, etc. and covered by Biobase EM Biology Scopus. It has been considered by UGC, New Delhi, as an Indexed Journal of the Country, and has an Indian Citation Index- Research Impact Indicator-0.126. The Journal is being supported by the I.C.A.R. and SERB (DST), New Delhi. The Society is trying to popularize this Journal at the International level.

The Society also published the Proceedings of the International Conference on Biotechnology in Agriculture and Forestry, edited by Dr M.L. Lodha and Dr S.L. Mehta, IARI, New Delhi, Dr S. Ramgopal, USA, and Dr G.P. Srivastava, Chandra Shekhar Azad University of Agriculture & Technology, Kanpur. The Society published the proceedings of the Symposium on Research and Education in Agricultural Biochemistry in the Next Century edited by Dr M. Parameswaran, Gujarat Agricultural University, Junagadh. It also published the proceedings of the International Conference held in November 2006 on Post-Harvest Technology and Value Addition in Cereals, Pulses and Oilseeds in book form, edited by Dr P.S. Kendurkar, Dr G.P. Srivastava, Dr Mukesh Mohan, and Dr Madhu Vajpeyi, Chandra Shekhar Azad University of Agriculture & Technology, Kanpur.

The society opened its First Chapter (Palampur Chapter) at CSK HPKV in 1996. It successfully organized the following Seminars:

- Role of Biochemistry in Agricultural Research, October 24, 1997, CSK HPKV, Palampur
- National Seminar on Science-Industry Interface on Maize Production, Processing and Utilization, November 3-4, 2000, HPKV, Palampur
- One day Seminar on Biochemical Approaches for Crop Improvement- Opportunities and Challenges, HPKV, Palampur, September 24, 2003

It published the Proceedings of the Seminar on Science-Industry interface on Maize Production, including Advances in Maize Production Technology and Quality Improvement, edited by Dr C.P. Awasthi

Second Chapter of the Society was opened at Assam Agricultural University, Jorhat, Assam, November, 2003. It published the Proceedings of the National Symposium at Assam Agricultural University, Jorhat, entitled Bioprospecting of Commercially Important Plants, edited by Dr R.C. Borah *et al.*

The Third and the Fourth Chapters of the Society were opened at the Punjab Agricultural University, Ludhiana and at Rubber Research Institute of India, Kottayam, Kerala, in 2008 and 2014, respectively.

The Society opened its Fifth, namely Gujarat Chapter, and Sixth, namely Delhi Chapter, with Headquarters in the Department of Biochemistry, Anand Agricultural University, Anand, Gujarat, and in the Division of Biochemistry IARI, New Delhi in 2017 and 2018, respectively.

The Society honours its life members with **Fellowship of the Society (FISAB)** who have rendered more than 10 years of continued service to the Society for its promotion and development. The Society also awards **Honorary Fellowship (FISAB)** to Scientists, who have made significant and outstanding contributions in their fields. Till now, Twenty eight eminent scientists have been awarded the Honorary Fellowships.

The Society instituted a **Life Time Achievement Award**, to be conferred upon eminent Scientists, acknowledging their outstanding contributions. So far, Eight eminent Scientists, namely, Dr G.G. Sanwal (Lucknow University), Dr S.K. De (Allahabad University), Dr S.K. Sinha (IARI, New Delhi), Dr M.S. Swaminathan (Dr M.S. Swaminathan Research Foundation, Chennai), Dr Mangala Rai (DG, ICAR, New Delhi), Dr S. Ayyappan (DG, ICAR, New Delhi),

Dr T. Mohapatra (Secretary DARE, Govt. of India & DG, ICAR, New Delhi) and Dr S. Solomon (Vice Chancellor, C.S. Azad University of Agriculture & Technology, Kanpur).

The Society instituted an **Achievement Award** in 2019 to honour the Scientists who have made significant contributions. Hon'ble Vice Chancellor MPKV, Rahuri, Dr K.P. Vishwanatha was given the first Achievement Award.

The Society also gives **Excellence Awards** to the Organizing Secretary and Co-organizing Secretary, for organizing National and International Conferences. So far nine Excellence Awards have been given.

Presently the Society has 659 life members and one Annual Member. It has three institutional memberships. Dr S.L. Mehta, former-VC, Maharana Pratap University of Agriculture & Technology, Udaipur, is the President of the Society, and Dr G.G. Sanwal, Professor Emeritus, Department of Biochemistry and former Pro-VC, University of Lucknow is the Editor-in-Chief of the Journal.

Lastly, the Society expresses its gratefulness to Hon'ble Vice Chancellor, University of Lucknow, Prof. Alok Kumar Rai, for very kindly agreeing to organize the National Conference on Current Trends in Biological Sciences for Sustainable Agriculture, Environment and Health & XV Convention of the Indian Society of Agricultural Biochemists, Department of Agricultural Biochemistry, C.S. Azad University of Agriculture & Technology, Kanpur, U.P. India, at University of Lucknow, in collaboration with Indian Society of Agricultural Biochemists, C.S. Azad University of Agriculture and Technology, Kanpur.

The Society also feels indebted to Prof. Munna Singh, Head, Department of Botany, University of Lucknow, for hosting this National Conference as its Organizing Secretary.

**Prof. Munna Singh**, Fellow JSPS-JAPAN  
Head  
Former Vice Chancellor



Ref. No.  
Date : 10.11.2023

**DEPARTMENT OF BOTANY**  
**University of Lucknow, Lucknow - 226 007 (India)**  
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**PREFACE**

It is matter of profound pleasure that the Indian Society of Agricultural Biochemists (ISAB), Chandra Shekhar Azad University of Agriculture & Technology, Kanpur, and the Department of Botany University of Lucknow are jointly organizing a national conference on 'Current Trends in Biological Sciences for Sustainable Agriculture, Environment and Health Under Climate Change' along with the XV Convention of ISAB from Nov 23-25, 2023.

Department of Botany was established in 1921 under the brilliant academic leadership of Prof. Birbal Sahni, FRS, also honored as Father of Paleobotany in India. The Department has produced a legendary figure, Prof. S.C. Agarwal, who established Plant Nutrition Laboratory to diagnose nutrient deficiency in crop plants in order to enhance crop productivity so as to safeguard food security of our nation. The Department has had the privilege of being served by Father of Lichenology in India Prof. D.D. Awasthi, and also the renowned Bryologist Prof. Ram Udar. Presently, it has a strong faculty of 22 teachers for quality teaching and research in disciplines of Phycology, Bryology, Cytogenetics, Plant Breeding, Ecology & Soil Science, Molecular Plant Virology & Microbiology, Plant Pathology, Plant Physiology, Photosynthesis, Biotechnology and Nanotechnology. It offers graduate and postgraduate courses in Botany, along with PG courses in Microbiology and Environmental Science to extend opportunities for specialized academic careers in the frontline areas.

The themes of the conference are focused towards the current innovations in Biological Sciences, Omics linked Plant Productivity under Climate Change/ Biotic Stress, Post-harvest Management, Food Processing, Water Conservation for ecofriendly ecosystem through modern approaches for Crop Improvement and Health. The presentations by subject experts/learned speakers and young researchers during the conference will certainly extend an insight to help in designing relevant strategies for sustainable environment and crop production for future generations. The kind help granted by Prof. Alok Kumar Rai, Hon'ble Vice Chancellor, University of Lucknow is gratefully acknowledged. We all feel gratefully obliged to Dr. Sanjay Kumar, Chairman, ASRB, New Delhi for his gracious presence as Chief Guest of ISAB-Meet 2023. Prof. Absar Ahmad, one of our alumni, is duly acknowledged for being the keynote Speaker. Thanks to all ISAB executive members for choosing our esteemed University for ISAB NOV-2023 academic meet. I thank all members of various committees, staff, and students for successful organization of the Conference. I also extend a very warm welcome to all dignitaries, society members and delegates for participating in this prestigious academic conclave, with best wishes for the grand success of the Conference and a comfortable stay in Lucknow. The financial help extended by NABARD, DBT, UPSMA, CSIR, UP CST, DST, HDFC, SBI, UCO and IOB is gratefully acknowledged.

  
**Prof. Munna Singh**  
Organizing Secretary  
National Conference  
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