A major activity of the Society has been to organize national and international level workshops, seminars, symposia etc in the field of sugarcane agriculture. The scientific deliberations organized by the SSRD and seminar, workshop sponsored by SSRD are listed below.

1 Seminars /Symposia organized by SSRD

1.1 Sugarcane Breeders and Pathologists Meet: The SSRD in collaboration with All India Coordinated Research Project on Sugarcane organized the sugarcane breeders and pathologists meet at ICAR-Sugarcane Breeding Institute, Coimbatore on 23 January, 2012. The objective of the meet to bring the breeders and pathologists of all sugarcane zones in India to a common platform to discuss the incidence of diseases on sugarcane varieties, reaction of sugarcane genotypes to different races of pathogen, and to evolve appropriate breeding strategies to minimise yield losses caused by sugarcane diseases in India. The meeting was attended by 60 scientists across the country. A proceedings of the meet was published.

1.2 National Interactive Workshop: An interactive workshop for sugarcane researchers and sugar industry personnel was organized by the SSRD at The Residency, Coimbatore during 26-27 June, 2012 with sponsorship from the South Indian Sugar Mills Association (SISMA). The aim of the workshop was to understand the industry’s perception on various challenges faced by sugarcane farmers, sugar industry and researchers in the country and to strengthen the existing linkage of farmers, scientists and sugar industry personnel. An abstracts of background papers of the interactive meeting was published in 2012.
1.3 International symposium on New Paradigms in Sugarcane Research (ISNPSR-2012): The SSRD in collaboration with ICAR-SBI, TNAU and Indian sugar industries organized an international symposium during 15-18 October, 2012 in Hotel Le Meridien, Coimbatore, India. This symposium provided a global platform for the sugarcane researchers from different countries to interact and share their experience and to deliberate the issues and challenges the sugarcane section in the world is facing now and to prepare roadmap for future research. The symposium received an overwhelming response from around 450 delegates, including 51 participants from 11 countries. This symposium is considered as a landmark event in the history of SSRD. A publication containing research papers submitted by sugarcane scientists across the world was brought out beside the recommendation of the ISNPSR.

1.4 ICAR-SBI Interactive Meeting with SISMA: An interactive meeting of sugarcane scientists and sugar industry personnel of south India was organized by the ICAR-SBI in collaboration with SSRD at ICAR-SBI Coimbatore on 27 August 2013. The meeting was held as a follow-up of the National level interactive Workshop held on 26-27 June 2012. The following recommendations emerged in the meeting. (1) The sugar industry,
particularly SISMA was willing to sponsor scholarship of Rs.5000/-p.m. to 10 Ph.D. students who carry out research work at ICAR-SBI; (2) Interactive meeting with SBI and SISMA-TN will be conducted once in a year to discuss the problems of sugar industry; (3) The SBI may carry out their research work in sugar factories with the active support of the industry personnel

1.5. National symposium on Bioenergy for Sustainable Development-The Potential Role of Sugar crops: This national level symposium was conducted at Coimbatore during 23-25 June, 2014 with 150 participants. The deliberations facilitated constructive interactions between researchers, industrialists, cane development personnel, entrepreneurs, policy makers, stakeholders on the present and futuristic research on second generation cellulosic based ethanol, development in *Saccharum-Erianthus* based energy plantation etc. The proceedings of the symposium was published.

![Symposium Group Photo]

1.6 National Seminar on भारत में मिठास क्रांती के सौ वर्ष: Co 205 से Co 0238 तक: One day national seminar on Hundred years of sweet revolution in India: From Co 205 to Co 0238 was organized by the ICAR-SBI Regional Centre, Karnal, Haryana and SSRD at NASC Complex, New Delhi on 29th August 2017 to commemorate the 100th year of development of Indi’s first inter-specific sugarcane hybrid Co 205 developed by the Sugarcane Breeding Institute, and released in 1918 in erstwhile Punjab Province. The seminar was inaugurated by Shri Radha Mohan Singh, Hon’ble Union Minister of Agriculture and Farmers Welfare and attended by 350 farmers from major sugarcane growing states in North India like Bihar, Haryana, Punjab, Uttar Pradesh and Uttarakhand. Dr. T. Mohapatra, Secretary (DARE) and Director General, ICAR, New Delhi, Dr. Bakshi Ram, Director, ICAR-Sugarcane Breeding Institute, Coimbatore and representatives of sugar mills and sugarcane research institutes in subtropical India graced the seminar.
1.7 International symposium on Sugarcane Research since Co 205: 100 years and beyond (SUCROSYM 2017): The Sugarcane Breeding Institute, established in 1912 at Coimbatore released its first commercial variety, Co 205 in 1918 the Punjab Province. This variety revolutionised sugarcane cultivation in the subtropical region of India. To celebrate the 100th year of its release as well as to discuss some of the emerging issues in sugarcane sector like climate change, biotic and abiotic stresses, shrinking natural resources and increasing cost of production an International Symposium, titled as SucroSym-2017 was organized by the SSRD in collaboration and support with ICAR-SBI, TNAU and SISMA at Coimbatore during 18-21 September 2017. A total of 450 delegates from four countries participated in the seminar.

1.8 ISSCT Workshop: The SSRD in collaboration with an International Society of Sugar Cane Technologists (ISSCT), Mauritius and ICAR-Sugarcane Breeding Institute (ICAR-SBI), Coimbatore organized an International Workshop i.e. the “XII-ISSCT Pathology
Workshop” during 3-7 September 2018 at Hotel Residency, Coimbatore, Tamil Nadu, India. This kind of ISSCT workshop was hosted for the first time in India and it is a proud privilege that ICAR-SBI & SSRD were given the opportunity to conduct this International workshop. The objectives of the Workshop were (i) to discuss key sugarcane diseases affecting sugarcane in the country vis-a-vis across the globe and to crystalize lessons learnt from other country success stories; (ii) to deliberate on pathogen variation, disease resistance mechanism and molecular diagnostics with international participants and creating a research frame work to decide many unresolved issues in sugarcane pathology and (iii) to deliberate on the recent developments in disease management strategies and their adoption to our conditions to sustain sugarcane productivity in the country. A total of 57 sugarcane scientists, research scholars and sugar industry personnel representing 11 countries participated in the Workshop. The delegates includes 32 from India, 6 from Brazil, 5 each from China and USA, 2 each from South Africa, Mauritius, 1 each from Australia, Colombia, France, Sri Lanka, Thailand.

Delegates participated in the XII Pathology Workshop

The workshop was inaugurated by the Hon’ble Secretary DARE & Director General of ICAR, New Delhi Dr. Trilochan Mohapatra on 03.09.2018. Dr. Bakshi Ram, Director, ICAR-SBI, Coimbatore & Chairman, Organizing Committee welcomed the dignitaries and delegates. Dr. K. Ramasamy, Vice-Chancellor, TNAU, Coimbatore, Dr. Philippe Rott, University of Florida, USA & Chair, ISSCT Executive committee, Dr. R. K. Singh, Assistant Director General (Commercial Crops), ICAR, New Delhi, Dr. Asha Dookun-Saumontally, Chair, ISSCT Biology Commission, Mauritius Sugar Industry Research Institute (MSIRI), Mauritius and Dr. Freddy Fernando Garces Obando, Chair, ISSCT Pathology Section, Columbia delivered special addresses. Dr. R. Viswanathan, Head, Crop Protection Division, ICAR-SBI, Coimbatore & Convener of the Workshop proposed vote of thanks. During the ceremony Dr. Mohapatra released “Abstracts Book – ISSCT Pathology Workshop” and Publication on “Research Accomplishments of Sugarcane Pathology at ICAR-SBI”. A total of 53 papers, both lead and short oral were presented in the
Workshop and 6 paper as poster. On 5th Sep 2018 the delegates were taken to ICAR-Sugarcane Breeding Institute (ICAR-SBI), and Tamil Nadu Agricultural University (TNAU), Coimbatore. On 6th Sept 2018 the delegates were taken to M/s. Sakthi Sugars, Appakoodal, Erode District for an exposure visit to Indian sugar industry to have an awareness of Indian sugar industry and sugarcane cultivation practices in the country.

Plenary session of the workshop was held on the AN of 7th Sept 2018. Dr. Bakshi Ram, President, SSRD, Dr. Philippe Rott, University of Florida, USA & Chair, ISSCT Executive committee, Dr. Freddy Fernando Garces Obando, Chair, ISSCT Pathology Section, Columbia and Dr. R. Viswanathan, Head, Crop Protection Division, ICAR-SBI, Coimbatore & Convener of the Workshop spoke in the session. In the session, ISSCT Young Scientist award was presented to Shri. G.C. Balaji from Rajshree Sugars and Chemicals Limited, Mundiampakkam for his paper on Management of YLD through healthy seed nursery programme in RSCL command area. The award carried cash prize of US$ 500/- and a citation. Dr Freddy Fernando summarized the five day event, positive outcome of the workshop, diseases/ pathogens/ issues deliberated in the workshop and next venue for the workshop, etc. On behalf of ISSCT, he thanked ICAR-SBI and SSRD, Coimbatore for the elaborate arrangements to successfully organize the workshop. Dr. R. Viswanathan, finally proposed vote of thanks.
Presenting the “Young Scientist Award” to Shri. C. G. Balaji, Rajshree Sugars and Chemicals during the Workshop

1.9 Kisan Samridhi Mela: The ICAR-Sugarcane Breeding Institute (ICAR-SBI), Coimbatore in collaboration with the Society for Sugarcane Research and Development (SSRD), Coimbatore and other ICAR institutes in Tamil Nadu, State Agricultural Universities, State Department of Agriculture, Horticulture, Animal Husbandry and Fisheries and organized a State level “किसान समृद्धि मेला / Farmers’ Fair for Prosperity / உழவர் சம்மிக்க விழா” at Coimbatore, Tamil Nadu during 24-26 Aug 2018. Coimbatore. The theme of the Workshop was “Doubling Farmers’ Income by 2022”.

The three day event witnessed participation of over 6,108 farmers, farm women, and agricultural extension personnel. Farmers from Dharmapuri, Coimbatore, Karur, Erode,

1.10 Special Lecture: An invited lecture was organized by the Society on 28.11.2018 at the Auditorium of ICAR-Sugarcane Breeding Institute, Coimbatore. Dr. K. Ramasamy, Former Vice Chancellor, TNAU, Coimbatore delivered a talk on “Challenges in Agricultural Research and Development”. On this occasion, Dr. Bakshi Ram, President felicitated Dr. K. Ramasamy who retired from the post of Vice-Chancellor on 31.10.2018.
1.11 Workshop cum Journal e-launching function: The SSRD organized one day workshop cum e-launching function on 4th Nov 2019 at ICAR-SBI Coimbatore. Dr. Satender Kumar Singh, Project Director, ICAR-DKMA New Delhi was the chief Guest of the function. Dr. Bakshi Ram, President SSRD and Dr. Satender Kumar Singh launched the Journal of Sugarcane Research in ICAR’s e-publication portal and made the JSR as fully online. Dr. Aruna T. Kumar, Editor, ICAR-DKMA delivered a lecture-cum-demo on “Writing for Scientific Publication”. About 60 Scientists from ICAR-SBI, ICAR-CICR Regional Station, Coimbatore, ICAR-CIAE Regional Centre, Coimbatore attended the function cum workshop.

1.12 Innovative Sugarcane Farmers Meet: The ICAR-Sugarcane Breeding Institute, Regional Centre, Karnal and SSRD jointly organized a Meeting of Innovative Sugarcane Farmers of North India at ICAR-SBI Regional Centre, Karnal on 27.2.2020. About 61 farmers from the States of Bihar, Haryana, Gujarat Maharashtra, Madhya Pradesh, Punjab, Uttar Pradesh and Uttarakhand attended the meeting. The meeting was chaired by Padma Bhushan Dr. R. S. Paroda and Co-chaired by Dr. Bakshi Ram, Director ICAR-SBI Coimbatore. The meeting was fruitful and paved way for understanding innovation of sugarcane growers, their problems and motivation. It also provided a platform for establishing farmers to farmers contact.

2 Seminars, Symposia, workshop sponsored and Co-organized by SSRD

2.1 Online Photography competition: To commemorate ICAR-SBI’s Centenary Celebration, the SSRD in collaboration with ICAR-SBI sponsored “Online Centenary Photography Competition” during December 2012. The theme of the competition was sugarcane.

2.2 Felicitation function: The SSRD sponsored a “Felicitation Function” for the Scientists and staff of ICAR-SBI on 22 Sept 2014 organized by ICAR-SBI at Coimbatore for receiving the “Sardar Patel Outstanding Institution Award” of the ICAR, New Delhi.

2.3 Institute-Industry Interface Meet: The SSRD sponsored for organizing an “Institute-Industry Interface Meet” organized by the ICAR-SBI at Coimbatore on 4 Dec 2014.

2.4 SugarMech–2017: A national symposium on sugarcane mechanisation-challenges and opportunities (Sugarmech–2017) was organized by the Bannari Amman Sugars,

2.6 Nation seminar on Abiotic Stress Management: The SSRD sponsored a sum of Rs. 25,000/- for organizing a National seminar on Abiotic Stress Management Challenges and Opportunities at Coimbatore by TNAU during 25-26 October 2018.

2.7. One-day Workshop on Digital Field Book: The ICAR-Indian Institute of Millet Research, Hyderabad, ICAR-Sugarcane Breeding Institute, Coimbatore and SSRD jointly organized one day workshop on “Digital Field Book” on 11th July 2019 at ICAR-SBI Coimbatore. Dr. Elangovan, Principal Scientist, ICAR-IIMR delivered lecture and demo. About 50 Scientists and Technician from ICAR-SBI attended the Workshop.

2.8. Workshop on Post-Harvest Technology and Value Addition: The NAAS Regional Chapter-Coimbatore in association with ICAR-SBI and SSRD organized one day
Workshop on “Post-harvest technology and value addition” on 4th December 2019 at ICAR-SBI, Coimbatore.

3. Publication

One of the objectives of the SSRD is to facilitate scientific communication relating to sugarcane agriculture through periodicals, books, proceedings, popular articles etc. The kind of publications the society is bringing is listed below.

3.1 Research Journal: The SSRD is publishing a peer reviewed journal named as “Journal of Sugarcane Research” (JSR) since 2011. The JSR is a bi-annual publication, publishes original research articles, review articles and short communications covering frontier areas of research and topics of contemporary importance in sugarcane research. The number of issues of JSR brought from 2011 to 2019 are given below.

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

Short notes on newly released sugarcane varieties, genetic stock and trait specific Germplasm registered are also included in the journal. The journal was included in the CAB abstracting and NAAS rating services. The JSR was made into an open access online journal w.e.f. 2019. The journal may be accessed in the ICAR-SBI website http://sugarcane.res.in/index.php/en/research-journal or through email jseditor@gmail.com. The JSR has impact factor or NAAS rating of 3.14 as on March 2020.

3.2 Books and pamphlets published by the SSRD

The Society published two pamphlets namely (1) SSRD-Bye Laws in 2011 (100 copies) and (2) SSRD at a Glance in 2015 (100 copies)
On the eve of ICAR-SBI Centenary Celebration Dr. N. Vijayan Nair, Dr. Puthira Prathap, Dr. R. Viswanathan, Dr. J. Srikanth, Dr. A. Bhaskaran and Dr. Bakshi Ram edited book entitled “Perspectives in Sugarcane Agriculture”. This book was published by the Society for Sugarcane Research & Development, Coimbatore in 2012 (ISBN No. 978-81-9043-599-4). This book contains 21 chapters on Indian Sugarcane Agriculture, written by eminent sugarcane scientists and industrialists in India. The book is available for sale @ Rs. 350 per print copy.

Another book entitled “Centenary Souvenir (1912-2012)” was published by the SSRD in 2012. This book contains 34 chapters written by Indian and foreign authors working in the field of sugarcane research. This book was compiled by ICAR-SBI Scientists Dr. P. Rakkiyappan, Dr. A. Bhaskaran, Dr. S. Vasantha, Dr. R. Gomathi, Dr. N. Geetha, Dr. P.N. Gururaja Rao, Dr. Rajula Shanthy and Dr. N. Vijayan Nair.


3.3 Proceedings of the Seminar, Symposia published by SSRD: The society published / sponsored in publishing the following proceedings.


7. Proceedings (in Hindi) of the National Seminar on Hundred years of sweet revolution in India: From Co 205 to Co 0238 organized by the ICAR-SBI Regional Centre, Karnal, Haryana at NASC Complex, New Delhi on 29th August 2017 with support from SSRD. 4p.


Post Symposium Tour to TNPL, Pugalur

As part of the symposium, a field visit was organized for the delegates to TNPL Newpapers & Paper Limited (TNPL), which is located at Pugalur situated about 115 KM from Coimbatore. To understand the recent development in paper-making process using sugarcane bagasse, TNPL is manufacturing quality paper for the past two and half decades from bagasse on its line of the company's technologically advance.

The delegates visited the sugarcane storage godown and different units of paper making process. The company shared the satisfaction of getting an unique paper manufacturing unit which uses sugarcane bagasse as raw material.
For further details contact

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