

Annual Report 2019



**Royal Association for
Science-led Socio-cultural Advancement (RASSA)**

28/142 (GF), West Patel Nagar, New Delhi 110008

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**3rd
Annual Report- 2019**



**Royal Association for Science-led
Socio-cultural Advancement (RASSA)**

28/142, West Patel Nagar, New Delhi-110008

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PREFACE

It is my privilege to place an account of activities undertaken by RASSA for the year 2018-19 encompassing the period between 2nd Foundation Day to 3rd Foundation Day in the year 2018 and 2019. During the period under report, the RASSA organised 3-days International Conference on critical issues related to agriculture that focussed on 'Sustainable Agricultural Development in Changing Global Scenario' at Banaras Hindu University, Varanasi in which the respective academic organisations actively participated. Awards were conferred to the professionals for the best Ph. D. and M. Sc. thesis, Eminent Scientist and Young Scientist and the best paper/poster paper in the International Conference. RASSA also conducted RASSA-Kisan Sahyog Karyakram in the adopted villages to disseminate the latest technologies amongst farmers to upgrade their socio-economic status. RASSA provided educational assistance to the students for plus two and UG course and established a RASSA Vananchal Vidyalaya in the tribal belt of Chandauli district. RASSA published its 1st issue of RASSA Journal of Science for Society and Rajarshi Sandesh during the reported period.



In the Foundation Day programme, apart from briefing the members on the achievements/ activities during the year, RASSA Fellow awards were conferred to 6 RASSA members. Having successfully organised the International Conference at BHU Varanasi on October 11-13, 2019, the RASSA is now preparing for the National Seminar at BUAT, Banda in October 2020.

I place on record my gratitude to the RASSA Patron, Executive Committee/Council and all RASSA members for their unflinching faith and support. I am also grateful to the conveners and members of various committees for effectively organising International Conference, RASSA-Kisan Sahyog Karyakram, RASSA Vananchal Vidyalay and other activities. The financial support provided by many organisations is gratefully acknowledged.

A handwritten signature in blue ink, appearing to read 'Awadhesh Singh', written over a horizontal line.

(Awadhesh Kumar Singh)
President

PROLOGUE

RASSA Editorial Board extends thanks to Patron for continuous guidance and help in shaping it to emerge as a multi-disciplinary professional body to serve the society at large based on scientific advancements.

RASSA is thankful to all the members for extending their support in strengthening the RASSA multifarious activities.

Special thanks to the members, our sponsors who have contributed and whose name is not mentioned here. They are the real backbone of the association and valuable asset for the organisation in furtherance of its objectives.

RASSA Editorial Board

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1

RASSA at a Glance

Science-led interventions carry the potential for the development of people and the country. Innovations can only help if they reach the ground as quickly as possible. Efforts from all responsible organisations and citizens, including Government, is needed to ensure that the potential of scientific innovations is realised for the benefit of the masses, to improve their income and living conditions.

Royal Association for Science-led Socio-cultural Advancement (RASSA) is a society formed by like-minded Scientists/ Technocrats/ Business persons and other luminaries to help people, improve their status and contribute in the overall advancement of the people in a sustainable manner, protecting natural resources and ecosystems.

Vision

To create a strong and coherent community sensitive to the social, cultural & educational needs and serve the society, especially the resource-poor people by adopting science-led approaches.

Mission

To engage like-minded intellectuals in serving the needy people of the society through science-led interventions.

Objectives

1. To create a platform for likeminded people for the overall sustainable advancement of the society.

2. To promote the educational and economic well-being of people in changing social dynamics by formulating the plans and creating interest for entrepreneurial activities through skill development.
3. To mentor and provide economic support to bright young individuals from the unprivileged section of the society
4. To provide opportunity and help to business professionals to set up and run their businesses in emerging fields
5. To organise conferences, meet, fare, Kisan Gosthi (RASSA-Kisan Sahyog Karyakram) etc., to update the community on science-led techniques
6. To publish a multi-disciplinary Journal and Sandesh for promotion of science

Membership

RASSA is a unique society that covers both science (professionals of all the disciplines) and socio-cultural aspects simultaneously. Thus, it has three types of membership, i.e. Core Members, Kisan Members, and Subscribe Journal Members (SJM). Core members are for all the affairs of society (social welfare as well as professional). Kisan members are only for sharing advanced technological information to improve their farming status. Subscribe Journal Members is for professional activities only and people may join it as Annual member or life members.

2

रासा कार्यकारिणी

संरक्षक	श्री पंजाब सिंह	श्री अयोध्या नाथ सिंह, FM 072	कर्नाटक, तामिलनाडु
सलाहकार मंडल	श्री कीर्ति सिंह	श्री भोम सिंह देवड़ा, FM 013	गुजरात एवं महाराष्ट्र
	श्री एस आर सिंह	श्री जय राम सिंह, FM 074	हरियाना
	श्री रामेंद्र सिंह	श्री दिनेश कुमार वत्स, FM 011	हिमाचल एवं
	श्री एन पी सिंह		जम्मू-काश्मीर
	श्री डी एस सेंगर	श्री ब्रिजेश सिंह, FM 023	उत्तराखंड

2.1 राष्ट्रीय

अध्यक्ष	श्री अवधेश कुमार सिंह, FM 001
उपाध्यक्ष	श्रीमती अलका सिंह, FM 010
	श्री आर डी सिंह, FM 018
	श्री राना डी पी सिंह, LM 038
	श्री सुधांशु सिंह, FM 026
महासचिव	श्रीमती कंचनलता सिंह, FM 002
सचिव	श्री नित्यानंद सिंह, FM 041
	श्री अमित सिंह शेखावत, FM 012
	श्री सुशील सिंह, FM 160
संयुक्त सचिव	श्री गौरव प्रताप सिंह, FM 050
	श्री अमित कुमार सिंह, FM 096
	श्री आशुतोश सिंह, LM 011
	श्री मानवेंद्र सिंह, FM 004
	श्रीमती अर्चना सिंह, FM 055
कोषाध्यक्ष	श्री राजीव कुमार सिंह, FM 112

राष्ट्रीय कार्यकारिणी सदस्य

श्री एस के सिंह, FM 149	उत्तर प्रदेश
श्रीमती सुमन सिंह, FM 032	राजस्थान
श्री रुद्रप्रताप सिंह चौहान, FM 038	बिहार एवं झारखंड
श्री एस पी सिंह, FM 044	मध्य प्रदेश एवं छत्तीसगढ़
श्री राघवेंद्र सिंह, FM 024	पूर्वोत्तर प्रदेश

अनुसंधान पत्रिका 'RASSA Journal of Science for Society'

मुख्य संपादक	श्री नागेंद्र कुमार सिंह, FM 007
कार्यकारी संपादक	श्री गोविंद प्रताप राव, FM 062
	श्री विशाल सिंह सोमवंशी, FM 138
	श्री शिव प्रताप सिंह, FM 014

पत्रिका 'राजर्षि संदेश'

मुख्य संपादक	श्री जनार्दन सिंह, FM 008
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2.2 लखनऊ

चेयर पर्सन (उपाध्यक्ष)	श्री ज्योत्सनेन्द्र सिंह, FM 146
उपाध्यक्ष	श्री शिव नायक सिंह, LM 125
सचिव	श्री अनिल कुमार सिंह, FM 039
कार्यकारिणी सदस्य	श्री राकेश कुमार सिंह, FM 125
	श्री अभिषेक सिंह, LM 080
	श्री आर पी एन सिंह, LM 183
	श्रीमती दीपाली सिंह चौहान, LM 060
	श्री विनय कुमार सिंह, FM 046
एक्स आफिसियो सदस्य	श्री सत्येन्द्र कुमार सिंह, FM 149
	श्री राना डी पी सिंह, LM 038

2.3 जम्मू और कश्मीर

अध्यक्ष (उपाध्यक्ष)	श्रीमती पूनम परिहार, FM 140
सचिव	श्री अरविंद प्रकाश सिंह, LM 015
	श्री महिताल जामवाल, LM 110

संयुक्त सचिव श्री महेन्द्र सिंह भडवाल, LM 112
श्री संजय गुलेरिया, LM 017
श्री ब्रजेश्वर सिंह भाउ, LM 047
श्री शरद कुमार, LM 048
श्री संजय प्रकाश सिंह, FM 089

प्रदेश कार्यकारिणी सदस्य

श्री पी एस सलाथिया, LM 005
श्री सुधीर कुमार, LM 108
श्री अशोक कुमार सिंह, FM 157
श्री अंजनी कुमार सिंह, LM 113
श्री अमित जसरोटिया, LM 007
श्री अमित कुमार सिंह, LM 019

2.4 वाराणसी

चेयरपर्सन (उपाध्यक्ष) श्री अरुण कुमार सिंह, LM 022
उपाध्यक्ष श्री हरेंद्र प्रताप सिंह, FM 139
सचिव श्री कुलदीप सिंह, FM 085

संयुक्त सचिव श्री नरेंद्र रघुवंशी, FM 053
श्रीमती मुक्ता सिंह, FM 127
श्री जीत नारायन सिंह, LM 089
श्री शैलेंद्र रघुवंशी, RKM 002

कार्यकारिणी सदस्य

श्री आलोक कुमार सिंह, FM 051
श्री रुद्र प्रताप सिंह, FM 019
श्री मानवेंद्र बहादुर सिंह, FM 052
श्री संजय कुमार सिंह, FM 152
श्री राना पियुष सिंह, FM 020

एक्स आफिसियो सदस्य

श्री सत्येन्द्र कुमार सिंह, FM 149
श्री राना डी पी सिंह, LM 038

3

RASSA Meetings

3.1 National Executive (NE)

The 1st meeting was held on December 24th, 2018, at New Delhi and adopted previous (22.08.2018) proceedings. Following decisions were taken:

- Constitution of an Advisory Board of RASSA.
- Continuation of National Executive Members for the period April 01st, 2019, to March 31st, 2021, as per the decision of General Body Meeting held at Jammu on November 21st 2018.
- Continuation of the state/unit executives of Jammu for the period from April 01st, 2019, to March 31st, 2021.
- Continuation of the members of different committees, Journal and Rajarshi Sandesh will for the period from April 01st 2019 to March 31st 2021.
- Adoption of resolution to convene an International Conference at BHU, Varanasi on October 11-13, 2019 with Dr P K Singh, FM 033 and Dr Rajeev

Pratap Singh, LM 133 as the key persons for the conference.

- Establishment of Varanasi Unit as per structure of RASSA to strengthen the activities in the region.

The 2nd meeting was held on April 13th, 2019 at New Delhi. After confirming the previous proceedings of 24.12.2018, the following decisions were taken by the National Executive:

- The brochure of 1st International Conference on '**Sustainable Agricultural Development in Changing Global Scenario**' at Institute of Environment and Sustainable Development (IESD), Banaras Hindu University, Varanasi has been made public since April 11th 2019 at RASSA website www.rassa.org.in and BHU website <http://www.bhu.ac.in/seminar/seminar.php> and Dr Rajeev Pratap Singh, IESD, BHU is the Organising Secretary, and Joint Organizing Secretaries are Dr J. P. Verma, IESD, BHU., Dr T. P. Singh, GBPUAT., Pantnagar, Dr Poonam Parihar, SKUAST, Jammu



and Dr Amit Kumar Singh, ICAR-NBPGR, New Delhi. The joint Organising Secretaries from outside BHU will help in wider publicity, fund raising and technical matters. It was also decided to provide seed money to Organising Secretary on his request. This conference will involve the active participation of members from different institutes of BHU, UP College Varanasi, IIVR Varanasi, KVK Varanasi, Jaunpur, Sonbhadra and Azamgarh.

- NE decided to continue the support to Student and RASSA Vidyalaya at Naugarh tehsil. NE desires to support meritorious students.

The 3rd meeting was held on June 22nd, 2019 at NASC Complex, New Delhi. After adopting the previous proceedings of 13.04.2019, the following decisions were taken:

- The life membership fee for Core Members has been increased from Rs 2500/ to **Rs 3000/**. The fees will be applicable since November 01st, 2019 onwards.
- RASSA Fellow and RASSA Awards will be in alternate years. RASSA Fellow will be started from this year.
- 3rd Foundation Day will be held at UP College, Varanasi on 13.10.2019 (Evening). Dr Alok Kumar

Singh and Dr Kuldeep Singh will be the co-ordinators for Foundation Day. Expenditure will be met out of the Conference budget.

The 4th meeting was held on September 17th, 2019 at New Delhi and decisions taken contained in the proceedings were confirmed. This meeting was focussed on International Conference to be held at BHU Varanasi, RASSA Fellow selection and conference Awards in the Conference. NE finalised the RASSA Fellow 2019 and Conference awards as per the recommendation of committee and approval of President. For Audited accounts and filing of ITR of RASSA, Mr Rakesh Kumar, CA (Membership No. 519145), RNBP & Co, Chartered Accountants (ICAI Firm Registration Number 025519N), 1302, Nirmal Tower, Barakhamba Road, Connaught Place, New Delhi is hired at a charge of Rs. 5000 per year. The RASSA has been registered with NITI Ayog and having Unique ID No. DL/2019/0231573. Now it is listed in the directory of NGO Darpan. After the rejection of ISSN to RASSA Journal of Science for Society and Rajashi Sandesh due to oversight of one of the editor, same has been again applied with limited editors.

The proceedings of NE meetings were circulated among all the Core Members, and no feedback was received from any member.

5	Royal Association for Science-led Socio-cultural Advancement	Society/West/2016/8902125, West Patel Nagar (DELHI)	28/142, Ground Floor, West Patel Nagar, New Delhi	Agriculture,Animal Husbandry, Dairying & Fisheries,Art & Culture,Education & Literacy,Rural Development & Poverty Alleviation
6	ROYAL EDUCATIONAL CHARITABLE TRUST	484, DELHI (DELHI)	Door No. 36/2275, First Floor, Pavakulam Building, K K Road, Kaloor Bus Stand JN, Cochin, Ernakulam, Distt. Kerala-682017	Agriculture,Animal Husbandry, Dairying & Fisheries,Art & Culture,Children,Dalit Upliftment,Differently Abled,Education & Literacy,Health & Family Welfare,Human Rights,Labour & Employment,Nutrition,Right to Information & Advocacy,Rural Development & Poverty Alleviation,Sports,Tribal Affairs,Vocational Training,Water Resources,Women's Development & Empowerment,Youth Affairs
7	RPG SKILLS	U74999DL2018PTC335212, West Delhi (DELHI)	A-52, A-BLOCK, VIKAS NAGAR, UTTAM NAGAR NEW DELHI-59	Education & Literacy,Women's Development & Empowerment
8	RS Care Foundation	1095, New Delhi (DELHI)	FLAT NO 4007,SECTOR C-4,VASANT KUNJ, NEW DELHI-110070	Women's Development & Empowerment,Dalit Upliftment,Information & Communication Technology,Minority Issues,Youth Affairs,Environment & Forests,Health & Family Welfare
9	nadra leipa foundation	11423, New delhi (DELHI)	21/38 West Patel Nagar	Data Not Found
10	Rudraani Foundation	1053/2017, New Delhi (DELHI)	B461/B-462, Old Seemapuri, Near Som Bazar Road, Delhi -110095	Human Rights,Legal Awareness & Aid,Minority Issues,Women's Development & Empowerment

3.2 General Body

1st Annual General Body (GB) Meeting was held at New Delhi on April 13th, 2019. The GB meeting was chaired by Dr Rana D P Singh, Vice-President RASSA. The members belonging to Punjab, Himachal Pradesh, Kanpur and Lucknow participated in the meeting. The Chairman welcomed the members and briefed about RASSA activities undertaken in line with the set mission and vision of RASSA. The following decisions were taken in the General Body (GB):



- i. General Body approved the new National Executive for the year 2019-21.
- ii. The General Body expressed the desire to have details of income and expenditure of National Seminar conducted at SKUAT-J, Jammu from November 21-22, 2018. GB also suggested for the release of Seed money to RASSA account, if possible.
- iii. Only one GB is to be held either in Annual General Body Meeting or at its National event/ Foundation Day every year.



- iv. GB unanimously decided to have enhanced RASSA Life Membership fees from Rs. 2500/ to **Rs. 3000/ since 1st November 2019 onwards.**
- v. RASSA may be registered with NITI Ayog.
- vi. Income and expenditure statements have been presented. GB suggested an audited report by CA.

All the members expressed satisfaction on working of the RASSA and happiness due to the involvement of members' family in GBM.

Another General Body (GB) meeting was held at Uday Pratap College, Varanasi on October 13th, 2019. RASSA President chaired the GB. Secretary, Varanasi Unit welcomed the President and other members participating in the GB. After briefing about RASSA by President, agenda items were presented for discussion in GB. Members from Uttar Pradesh, Uttarakhand, Bihar, Delhi, Himachal Pradesh, Madhya Pradesh and Jammu-Kashmir participated in the meeting.

The agenda items set forth in the meeting were discussed and following decisions/approvals were taken by this 6th GB:

- GB approved the establishment of Varanasi Unit. Dr Kuldeep Singh, Secretary of the unit, has voluntarily offered a place for Varanasi Unit and the board has been installed.
- GB unanimously agreed to continue the activities of Conference, Kisan Gosthi and publications. Hon'ble Vice-Chancellor Dr U S Gautam, Banda University of Agriculture and Technology, Banda offered to host 2020 Conference at Banda.

- As per earlier GB decision, RASSA awards (Rajarshi, Maharshi and Yashasvi) will be conferred in the year 2020. GB had a strong opinion about conferring awards to eligible members only, and awards shall be presented in person only.
- It was unanimously agreed to induct such persons only in RASSA for Core Members who are in line with RASSA mission, vision and objectives.
- It was also suggested by members to adopt professionalism in the organisation of events.
- Members are requested to be vigilant in getting and passing information about activities of RASSA.
- A need was also felt to constitute a committee for looking at social activities of RASSA. National Executive may form such committee.
- Members were also urged to set RASSA activities as one of their priorities in the participation of its event.

4

RASSA Professional Activities

4.1 International Conference

Royal Association for Science-led Socio-cultural Advancement (RASSA) organised 1st three days International Conference on ‘Sustainable Agricultural Development in Changing Global Scenario’ at Banaras Hindu University, Varanasi from October 11-13, 2019. This conference was organised in collaboration with the Institute of Environment and Sustainable Development of BHU, Varanasi. The different themes of International Conference were as follows:

- Theme 1: Climate-Smart Crop and Livestock Production Technologies
- Theme 2: Advances in Food Science & Post-harvest Technology
- Theme 3: Environment, Sustainability & Climate Change
- Theme 4: Biodiversity and IPRs: Issues and Challenges
- Theme 5: Trends and Future Prospects of Industry, Entrepreneurship and Development
- Theme 6: Social, Education, Extension and Policy Issues



Glimpses of International Conference



Glimpses of International Conference

The inaugural session of the international conference was started with garlanding the Bust of Bharat Ratna Pt. Mohan Malaviya, Lightening of lamp and Kulgeet. The session was presided by Er A K Singh, President, RASSA. The chief guest was Prof. Panjab Singh Chancellor, Rani Laxmi Bai Central Agricultural University, Jhansi & President NAAS, Delhi. Prof. Ram Kathin Singh, Director, Nand Education Foundation for Rural Development, Lucknow and Prof. U S Gautam, Vice-Chancellor, BUAT, Banda were the Guests of Honour. Prof. G S Singh, Dean IESD, BHU and Dr Rajeev Pratap Singh, Organising Secretary shared the dais. Dean IESD, BHU Varanasi briefed the delegates about BHU, his institute and importance of this International Conference in today's era. He also welcomed the dignitaries on and off the dais, delegates, students and farmers. RASSA president briefed the dignitaries and participants about RASSA activities and mission. He highlighted the importance of this conference at glorified university. He further focussed on the need

of effective mechanisation, emergency plan of food for people, concentrated research activities and working with farmers. Guest of Honour Prof. R K Singh shared his experience of working with farmers and villagers for the last 15 years. He advised the scientific people for working as per the need of farmers of different areas and also informed the adoption of many developed technologies by the farmers and industries. He also said about biggest challenges before farmers to produce more from lesser input. Prof. U S Gautam, Vice-chancellor, BUAT, Banda spoke about the journey of agricultural growth in the country. Statistical data clearly indicated the importance of modern technologies in the field for people. He further said for boosting agricultural transformation through socio-economic growth to make agriculture as the backbone of Indian economy. The chief guest Prof. Panjab Singh, President National Academy of Agricultural Sciences, New Delhi and dignitaries on the dais presented the eminent and young scientists awards to the following:

S.No.	Name of Awardees	Organisation	Field
A. Young Scientist			
1	Dr Akarsh Parihar, Incharge Prof & Head	Anand Agricultural University, Anand	Bio-technology
2	Dr R. K. Singh, Associate Professor	Banda University of Agriculture and Technology, Banda	Vegetable science
3	Dr Mohammad Ashfaque, Assistant Professor	Integral University, Lucknow	Bio-science
4	Dr Kapila Shekhawat, Sr. Scientist	ICAR-IARI, New Delhi	Agronomy
5	Dr N. S. Raghuvanshi, Sr Scientist & Head	NDUAT-KVK-II, Amihit, Jaunpur	Animal Science
6	Dr Prakash Chand Jena, Scientist	ICAR-CIAE, Bhopal	Farm Machinery & Power
7	Dr Udai B. Singh, Scientist (Sr. Scale)	ICAR-NBAIM, Kushmaur, Maunath Bhanjan	Plant Pathology
8	Dr Pavunraj Manickam, Assistant Professor	Vivekananda College (Autonomous), Tiruvedakam West, Madurai-Distt, Tamil Nadu	Entomology and Phytochemistry
B Eminent Scientist			
1	Dr Shiv Pratap Singh, Principal Scientist	ICAR-IARI, New Delhi	Farm Machinery & Power
2	Dr R. S. Sengar, Professor	Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut	Bo technology
3	Dr A. K. Singh, Principal Scientist, ICAR-IISR, Lucknow, Presently Director of Research	DR RPCAU, Pusa, Bihar	Sugarcane crop production
4	Dr Rajesh Kumar Singh, PS & I/C Director	ICAR-CIPHET, Ludhiana	Soil & Water Conservation Engineering
5	Dr Kanhaiya Singh, Principal Scientist	ICAR-IARI, New Delhi	Fruits & Horticultural Technology
6	Dr Janardan Singh, Professor	CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur, Himachal Pradesh	Hill Crop Production Technology

Prof. Panjab Singh spoke about the challenges faced by the agriculture sector in India and stressed on sustainable development during his chief guest speech on inauguration day of the three –days International Conference. He cautioned about the coming challenge of feeding the increasing people and providing employment. Agriculture can be an important sector in meeting the challenge. He said that Indian agriculture could be the biggest contributor to the target of 5 trillion dollar economy set by Hon'ble Prime Minister Shri Narendra Modi. He

expressed his concern over non-effective utilisation of natural resource and spoke about the need for better infrastructure to get better technologies for agriculture. Organising secretary presented the vote of thanks to Chief Guest, Guest of Honour, dignitaries, sponsors, delegates, students and farmers.

Key Note Lecture session was started on day-1, i.e. 11.10.2019 just after the inaugural session which was chaired by Prof R K Singh, Chairman, NEFORD,

Lucknow and co-chaired by Dr Sai Dass, Former Director, ICAR-IIMR, New Delhi. Dr Janardan Singh, Professor (Agronomy), CSKHPKV, Palampur and Dr Rajiv Kumar Singh, Principal Scientist (Agronomy), ICAR-IARI, New Delhi were rapporteurs of the session. Prof Anil Kumar Singh, Institute of Agriculture Science, BHU Varanasi was the convener of the session. Dr ID Singh, Advisor Tea Board & Tea Plantation; Prof Madhoolika Agrawal, BHU; Dr Sai Dass, New Delhi; R.K. Singh, ADG, ICAR, Delhi; Dr O N Singh, PVPAT, Chennai; Dr Jaswant Singh, Lucknow; and Dr Nityanand Singh, Advocate Supreme Court, New Delhi presented their talk on Opportunities in the tea industry, Tropospheric ozone a hidden threat to food security, Maise as potential for crop diversification, Genomic approaches for red rot management in sugarcane, Plant varieties protection its appellate tribunal awareness, Utilisation of traditional sweetener in the modern food system for nutritional food security in India, and, Legal profession, opportunities and challenges, respectively.

Four parallel technical sessions were organised on day-2 and 3. The fourth technical session was clubbed for theme 4-6. Each technical session was divided in two to three sessions on various sub-discipline. In each sub-session, lead lectures were presented, and thereafter oral presentation was made by various authors. Based on the recommendation of Chairman, Co-chairman and convener of each session, the best paper was finalised. In addition to these technical sessions, one progressive farmer session was organised on day-2 which was chaired by President RASSA. Seventy men and women farmers participated in the program. Many issues were emerged from farmers during interaction with scientists during this session. Improved vegetable

seed kit and a bag were given to all the participants. The poster session was organised on day-1 and day 2 for all themes. The committee evaluated the poster of all sessions and recommended the best poster in each sub-discipline.

The valedictory session of the international conference was started with garlanding the Bust of Bharat Ratna Pt. Mahamana Madan Mohan Malaviya, Lightening of lamp and Kulgeet. The session was presided by Er A K Singh, President, RASSA. The chief guest was Shri Narendra Singh Ji, Vice-chairman, Purvanchal Vikas Board, Uttar Pradesh. Dr R P Singh, Dean, BBAU, Lucknow was Guest of Honour, Prof A K Singh, President RASSA Varanasi Unit & Professor, IAS, BHU; Prof P K Singh, RASSA Member & Professor, IAS BHU; and Dr Rajeev Pratap Singh, Organising Secretary, shared the dais. President RASSA Varanasi Unit welcomed the chief guest, dignitaries on the dais and off the dais and participants and briefed the activities. RASSA Member spoke about the journey of RASSA and its activities. President RASSA explained the Chief guest about the purpose of formation of RASSA and various activities undertaken in the farming sector, student help, running of the school for tribals, professional activities, publications of RASSA. The chief guest and dignitary presented the awards to the following:



S.No.	Name of Awardees	Organisation
A.	Best Ph. D Thesis	
1.	Dr Umesh Chandra Sati	G.B. Pant University of Agriculture and Technology, Pantnagar
2	Dr Rashmi Upreti,	Punjab Agricultural University, Ludhiana, Punjab
3	Dr Praveen Kumar Upadhyay	Institute of Agriculture Sciences, BHU, Varanasi
4.	Dr Harapriya Nayak	G.B. Pant University of Agriculture and Technology, Pantnagar
5.	Dr N. Bommayasamy	Agricultural College and Research Institute, Tamil Nadu Agricultural University, Madurai
6	Dr Vaibhav Srivastav	Institute of Environment Science, BHU, Varanasi
B.	Best M Sc Thesis	
1	Shilpa	Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya, Palampur
2	J.Vijay	Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan, H.P.
3	Zeenat Aman	College of Home Science, Banaras Hindu University, Varanasi
4	Riti Chatterjee	Department of Agricultural Extension, Bidhan Chandra Krishi Vishwavidyalaya Mohanpur, Nadia, West Bengal
5	Shabnam Kundal	Division of Agricultural Extension Education, Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu Main Campus, Chatha, Jammu
C.	Best Oral Presentation	
Theme 1. Climate Smart Crop and Livestock Production Technologies		
Abst. No.	Name of Awardees and Organisation	Title of Research Paper
CSPT 29	Neeraj Singh, Dharendra K. Singh, Umesh C. Sati and Ashish K. Singh; Department of Vegetable Science, G.B.P.U.A.&T., Pantnagar; RLBCAU, Jhansi	Estimation of combining ability and gene action for yield and its contributing traits in okra [<i>Abelmoschus esculentus</i> (L.) Moench]
CSPT 31	Bharat Raj Meena, Atma Nand Tripathi and Sujana Majumder; ICAR-Indian Institute of Vegetable Research, Varanasi UP	Validation of HLK effector-based DNA marker for diagnosis of <i>Ralstonia solanacearum</i> infecting solanaceous vegetables
CSPT 58	S. K. Singh, B. Das, P. S. Pradhan and N. Neog; North Bengal Regional R&D Centre Tea Research Association, Nagrakata, Jalpaiguri, West Bengal	In situ conservation of old tea seed JATS in North East India
CSPT 98	Sinha Sahab and Rajeev Pratap Singh; Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi	Assessing the susceptibility of epigeic earthworm <i>Eisenia fetida</i> to agricultural application of chlorpyrifos and dimethoate
CSPT 139	Rakesh Kumar Singh, A.K. Dubey, V.N. Singh, Veenika Singh and Deepak Rai; Krishi Vigyan Kendra, ICAR-Indian Institute of Sugarcane Res., Lucknow	Potentiality of sweet sorghum [(<i>Sorghum bicolor</i> (L.))] for jaggery Production
CSPT 140	Rudra P. Singh, D. P. Singh, A. K. Saxena and A. P. Rao; ANDUAT, Ayodhya (UP), ICAR-NBAIM, Kusmaur, Mau (UP)	Effect of bio NPK with different doses of fertilisers on wheat yield in Azamgarh district

Abst. No.	Name of Awardees and Organisation	Title of Research Paper
Theme 2. Advances in Food Science & Post-harvest Technology		
FSPT 10	Harapriya Nayak and Archana Kushwaha; ICAR-Krishi Vigyan Kendra, ICAR- CIARI, Port Blair, Andaman & Nicobar Islands	Development and quality evaluation of pink oyster mushroom (<i>Pleurotus djamor</i>) and barnyard millet (<i>Echinochloa frumentacea</i>) incorporated cutlet mix
FSPT 12	Arjuma Sultana and Uma Ghosh; Department of Food Technology and Biochemical Engineering, Jadavpur University, Kolkata	Mathematical modelling of thin layer drying of red amaranth leaves (<i>Amaranthus cruentus</i>)
FSPT 19	Sharali Sharma and Deepak Singh; Department of Zoology & Biotechnology, HNB Garhwal University, Srinagar (Garhwal)	Nutritional status of fishes from the parent stream of river Ganga: A contribution towards food and nutrition security
Theme 3. Environment, Sustainability & Climate Change		
ESCC 5	Shilpa Singh, Amit Kumar and Yogesh Pandey; Department of Soil and Water Engineering, COAE&T, SKUAST-K, Srinagar	Assessment of climate change impact on hydrology and water availability
ESCC 31	Harish M N, Anil K Choudhary, Anup Das, Subhash Babu, Y V Singhand Varatharajan T; Division of Agronomy, ICAR-IARI New Delhi	Influence of different nutrient management practices on crop and water productivity, grain quality, energy productivity and profitability in promising rice cultivars of eastern Himalayas
ESCC 32	Anil Kumar Singh, R. K. Chauhan, J. S. Bisen and B. Bera; Darjeeling Tea Research & Development Centre, Kurseong, Darjeeling, Director (Research), Tea Board India, 14 BTM Sarani, Kolkata: SMM Town PG College (Affiliated: Jananayak Chandrashekhar University, Ballia	Sustainability in yield and quality of Darjeeling tea and improved soil health under organic nutrient management
ESCC 23	Janardan Singh; Department of Agronomy, CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur HP India	Interventions for improving productivity of cold desert farming systems – a case study
ESCC 39	M.K. Singh and Prashant Sharma; Department of Agronomy, Banaras Hindu University, Varanasi, Department of Silviculture and Agroforestry, Dr YSP University of Horticulture and Forestry, Nauni, Himachal Pradesh	Influence of long-term crop establishment methods on weed seed bank dynamics under rice-wheat cropping system
ESCC 59	Monika and Rajeev Pratap Singh; Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi	Sustainable agriculture: An alternative solution for climate change and food security
ESCC 61	Ritu Gupta and J K Gill; Dept of Family Resource Management, College of Community Science, PAU, Ludhiana	Ergonomic assessment of work, worker, workplace in food processing units
ESCC 69	Riti Chatterjee, Anwasha Mandal and S K Acharya; Bidhan Chandra Krishi Vishwavidyalaya, Mohanpur, Nadia, West Bengal	Farm energy metabolism and conservation agriculture
ESCC 151	Richa Rai ¹ , Madhoolika Agrawal ² and Jonathan Gershenzon ³ ; ¹ Department of Botany, Rameshwar	Differential responses of C3 and C4 crop under present and future scenario of climate

Abst. No.	Name of Awardees and Organisation	Title of Research Paper
	College, Muzaffarpur, ² Department of Botany, Banaras Hindu University, Varanasi, ³ Max Planck Institute for Chemical Ecology, Jena, Germany	change: physiology, transcriptomics and metabolomics
Theme 4. Biodiversity and IPRs: Issues and Challenges		
BIIC 4	Anita Singh and HK Chaudhary; Department of Crop Improvement, CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur	Traditional farmers' varieties of kidney bean, buckwheat and black gram in Himachal Pradesh – An effort to collect, multiply and conserve the rich biodiversity resource
BIIC 12	SK Singh ¹ , Somnath Roy ² , Harish GD ³ and AK Misra ⁴ ; ¹ ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi. ² ICAR- Central Rainfed Upland Rice Research Station, Hazaribag, Jharkhand. ³ ICAR-National Bureau of Plant Genetic Resources, Regional Station, Umiam, Meghalaya. ⁴ International Relations, Indian Council of Agricultural Research, Krishi Bhawan, New Delhi	Characterisation of rice bean [Vigna umbellata (Thumb.) Ohwi & Ohashi] landraces from North East India
BIIC 14	Shiksha Chaurasia ^{1&3} , Amit Kumar Singh ^{1*} , Arvind Kumar ² , Mahesh C. Yadav ¹ , L.S. Songachan ³ , Jyoti Kumari ¹ , Sundeep Kumar ¹ , Ruchi Bansal ¹ , Parbodh Chander Sharma ² & Sherry Rachel Jacob ¹ ; ¹ ICAR-National Bureau of Plant Genetic Resources, New Delhi. ² ICAR- Central Soil Salinity Research Institute, Karnal. ³ Banaras Hindu University, Varanasi	Genome-wide association mapping of reproductive stage salt tolerance in wheat
Theme 5. Trends and Future Prospects of Industry, Entrepreneurship and Development		
TIED 1	Rupali Pramanik ¹ , Sanjay Pramanik ² & Gyan Prakash ³ ; ¹ Department of Humanities, G.L. Bajaj Institute of Technology and Management, Greater Noida, India, ² D.A. University Indore, India; ³ School of Economics, D.A. University Indore, India	Role of ICT in agricultural marketing
TIED 3	Grish P. M., Anjana Sisodia*, A.K Singh, Sushil K. Chaudhary, Saipriya Panigrahi and Anish K. Sah; Department of Horticulture, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, UP.	Dry flower: A prospective avenue in horticulture
Theme 6. Social, Education, Extension and Policy Issues		
SEEP 4	Kabita Kumari Sahu; North Orissa University, Baripada, Odisha	Sustainable agribusiness and trade in India
SEEP 6	Kumari Jyoti, A. K. Singh and Jyoti Vishwakarma; Department of Extension Education, Institute of Agricultural Science, BHU, Varanasi	Agriculture extension researches: Its complexities and diversities
SEEP 16	Yash Gautam, O. P. Singh and P. K. Singh; Department of Agricultural Economics, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi	Economic analysis of sorghum production under irrigated and rainfed condition of Maharashtra

Abst. No.	Name of Awardees and Organisation	Title of Research Paper
D. Best Poster Presentation		
Theme 1. Climate Smart Crop and Livestock Production Technologies		
CSPT 15	Saurabh Kumar Singh, P. N. Singh and Alakh Narayan; Dept. of Horticulture, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Uttarakhand, Dep. of Horticulture, School of Agriculture, L. P. U., Phagwara, Punjab	Effect of <i>pseudomonas fluorescens</i> (PBAP-27) and ferrous sulphate on growth of peach cv. Flordaprince
CSPT 22	Shivam Singh, Dr. Mahendra Pratap Singh, Rudra Pratap Singh and Jaganath Pathak; Department of Soil Science and Agricultural Chemistry, Banda University of Agriculture and Technology, Banda, KVK Sonbhadra, Narendra Dev University of Agriculture and Technology, Kumarganj	Effect of micro-plastics contamination on the fresh water Fish health and their ecosystem
CSPT 35	Ashish K. Singh, Dharendra K. Singh, Neeraj Singh & Vivek Thapliyal; Department of Vegetable Science, G.B.P.U.A.&T., Pantnagar, CPRI, Modipuram	Potential source of resistance to <i>yellow vein mosaic virus (YVMV)</i> and <i>enation leaf curl virus (ELCV)</i> disease in okra (<i>Abelmoschus esculentus</i> L. Moench)
CSPT 99	Ibha Suhani and Rajeev Pratap Singh; Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi	Solid waste management and the fertilising potential of post digestion matter
CSPT 106	Nirupama Singh and P.K. Singh; Department of Genetics and Plant breeding A. N. D. University of Agriculture and Technology, Kumarganj, Ayodhya	Genetic divergence and character association in rice (<i>Oryza sativa</i> L.) under salt affected soil
CSPT 114	Pratika Singh, Azmi khan, Anjana and Amrita Srivastava; Department of Life Science, School of Earth, Biological and Environmental Science Central University of South Bihar, Gaya, Bihar	Siderophore assisted heavy metal tolerance for agricultural sustainability
CSPT 158	Lakee Sharma, Aashi Rai, Bipin Maurya and Shashi Pandey-Rai; Laboratory of Morphogenesis, Dept. of Botany, Institute of Science, Banaras Hindu University, Varanasi	Green synthesis of bioactive nano particle from two morphologically and biochemically distinct accessions of <i>Withania somnifera</i>
Theme 2. Advances in Food Science & Post-harvest Technology		
FSPT 33	Mohd Salman Mohsin; Department of Food Tech., Harcourt Butler Technical University, Kanpur	Increasing the iron content of cookies from different blends of wheat flour, moringa oleifera and spinach powder
FSPT 48	Syed Saquib; Institute of Environment & Sustainable Development, Banaras Hindu University, Varanasi	Climate resilient villages: An approach for attaining food security & UN SDGS
FSPT 50	Saipriya Panigrahi, Anjana Sisodia, A.K. Singh, Girish P.M., Sushil K. Chaudhary and Anish K. Sah; Department of Horticulture, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi	Value addition in medicinal and aromatic plants
FSPT 51	Ankit Singh, Shivraj Kumar Verma and Sakshi Pandey; Udai Pratap College, Varanasi	Value addition of minor fruits

Abst. No.	Name of Awardees and Organisation	Title of Research Paper
Theme 3. Environment, Sustainability & Climate Change		
ESCC 91	Aakash Kushwah, N.S. Thakur and S.K. Choudhary; Department of Agronomy, RVSKVV, College of Agriculture, Indore	Growth, productivity and economics of maize varieties (<i>Zea mays</i> L.) as influenced by nitrogen scheduling and methods of application under rainfed condition
ESCC 122	Kamlesh Kumar Singh, Anupam Adarsh, Tarun Kumar, Anupma Kumari and Brajesh Shahi; Krishi Vigyan Kendra, Saraiya, Muzaffarpur, Dr. Rajendra Prasad Central Agricultural Univ., Pusa (Samastipur) Bihar	Impact of bio-fertilisers in sustainable soil health management and production of green gram (<i>Vigna radiata</i> L.)
ESCC 138	Triptesh Mondal, Sukanya Dutta, Biplab Mitra and Ashis Kumar Singha Roy; Department of Agronomy, Faculty of Agriculture, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, West Bengal	Enhancement of zero till wheat (<i>Triticum aestivum</i> L.) P Productivity, profitability and nitrogen uptake efficiency (NUPE) through nutrient expert, N splitting and leaf colour chart (LCC) in sandy loam soil of West Bengal
ESCC 165	Sinha Sahab and Vishal Prasad; Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi	Evaluation of plant growth promoting traits of rhizobacteria for the betterment of plant growth under soil salinity stress
Theme 4. Biodiversity and IPRs: Issues and Challenges		
BIIC 15	Vidya Sagar, Pradip Karmakar, PM Singh and B Singh ² ; ICAR-Indian Institute of Vegetable Research, Varanasi; ³ UP Council for Agricultural Res., Lucknow	Genetic diversity studies of <i>Abelmoschus spp</i> (wild okra) and its evaluation for horticultural traits and viral resistance
Theme 5. Trends and Future Prospects of Industry, Entrepreneurship and Development		
TIED 24	Zohmingmawii Sailo and J. Longkumer; School of Agricultural Sciences and Rural Development, Nagaland University, NU: SASRD, Medziphema, Nagaland	Contract farming for agriculture development: An analysis on the socio-economic characteristics of oil palm growers in kolasib district of Mizoram
TIED 26	Appoorva Gupta, Poonam Parihar and Shabnam Kundal; Division of Agricultural Extension Education, SKUAST-Jammu, J&K	Impact of dairy she on livelihood of women dairy entrepreneur
TIED 27	Jyoti Chaudhary, Rashmi, H.P Singh and C Vinodhini; IAS, BHU, Varanasi	Agricultural marketing in the era of eNAM
Theme 6. Social, Education, Extension and Policy Issues		
SEEP 26	Sonali Katoch; Department of Agricultural Economics, Institute of Agriculture Sciences, Banaras Hindu University, Varanasi	Impact of Mahatma Gandhi National Rural Employment Guarantee scheme on sustainable development through assets creation
SEEP 35	Manpreet Kaur and J K Gill; Dept of Family Resource Management, College of Community Science, PAU, Ludhiana	Socio-economic profile of users of domestic photovoltaic solar system in Punjab in relation to their awareness
SEEP 36	P. K. Bisen, S. K. Vishwakarma, S. Singh, M. Suhail, N. K. Tripathi and J. Gupta; CSUAT-KVK, Gola, Jamunabad, Lakhimpur Kheri	Performance of coriander crop as an intercrop in autumn sown sugarcane as oft under the condition of district Lakhimpur-Kheri
SEEP 54	Deepali Chauhan, Krishi Vigyan Kendra, Dariyapur, Raebareli, UP	Postural stress assessment of male and female dairy workers of higher and lower age group preparing food for cattle

The recommendations of the International Conference are based on the country which is projected to become the most populous country in the world with a population of nearly 1.7 billion by 2050.

- A policy of vertical growth in productivity is needed for adoption as expansion in the cultivated area, which is almost exhausted.
- Depletion of soil nutrient reserves due to the continuous cropping and therefore, the soils are to be replenished with the essential major and minor plant nutrients.
- There is a need to promote farming systems and technologies which enhance income and also prove ecologically sound.
- Nutritive affordable food is required to overcome stunted and wasted children and anaemic mothers.
- There is also a need to compile scientific evidence to support the detrimental effect of judicious use of fertilisers on soil health, crop productivity or farmers' income.

- Marginal and small farmers in the country having less than 2 ha landholdings require technologies and innovations by which they can save cost on inputs and have more income by way of higher productivity, quality product and linking to value chain and markets for increasing their income.
- Holistic efforts are required to bridge yield gaps between potential yield and the yield levels achieved at the farm in major crops.
- There is a need for bringing a reduction in post-harvest losses, processing and product development.
- Special attention is required for developing technology for rain-fed areas, water harvesting, increasing water use efficiency, conservation agriculture, precision farming, empowering individuals, especially women in agriculture, food fortification and biofortification for ensuring nutritional security.

4.2 Professional Activities in News

बीएचयू में आज जुटेंगे कृषि वैज्ञानिक

वारणसी। कृषि क्षेत्र में भविष्य की चुनौतियों पर चर्चा के लिए शुक्रवार को बीएचयू विज्ञान संस्थान के शताब्दी भवन सभागार में अंतरराष्ट्रीय सम्मेलन में कृषि वैज्ञानिकों का जुटान होगा।

बीएचयू के पूर्व कुलपति प्रो. पंजाब सिंह ने बताया कि आने वाले समय की सबसे बड़ी चुनौती वर्तमान की आवश्यकताओं को पूरा करते हुए भावी पीढ़ी को आजीविका प्रदान करना है। सम्मेलन में 90 से ज्यादा वैज्ञानिक और 300 से ज्यादा छात्र शिरकत करेंगे। अध्यक्षता सामाजिक-सांस्कृतिक प्रगति राईसल एसोसिएशन के अध्यक्ष इंजिनियर एके सिंह तथा उद्घाटन प्रो. पंजाब सिंह करेंगे। विशिष्ट अतिथि बांद्रा कृषि एवं प्रौद्योगिक

विद्याप प्रवेश

महात्मा गांधी काल (एलएलबी) की एक केंद्र बदला गया पहली बार जून में। केंद्र जगतपुर पीरज कॉलेज था। यह प्रवेश दी गई थी। 13 अब पुनः प्रवेश परीक्षा चलाई गई है। इस बार जगतपुर परीक्षा केंद्र नहीं कॉलेज को परीक्षा

बढ़ती आबादी का पेट भरना व रोजगार भविष्य की चुनौती

प्रो. गुडइनफ का नोबेल पर खुशी

वाराणसी | **वार्डनर** **सतत विकास**

राजीव गांधी केंद्र में कृषि विज्ञान संस्थान के पूर्व कुलपति प्रो. पंजाब सिंह ने बताया कि आने वाले समय की सबसे बड़ी चुनौती वर्तमान की आवश्यकताओं को पूरा करते हुए भावी पीढ़ी को आजीविका प्रदान करना है। सम्मेलन में 90 से ज्यादा वैज्ञानिक और 300 से ज्यादा छात्र शिरकत करेंगे। अध्यक्षता सामाजिक-सांस्कृतिक प्रगति राईसल एसोसिएशन के अध्यक्ष इंजिनियर एके सिंह तथा उद्घाटन प्रो. पंजाब सिंह करेंगे। विशिष्ट अतिथि बांद्रा कृषि एवं प्रौद्योगिक

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Varanasi Main

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दाम, राम लक्ष्मण दाम, ईश्वर दाम, सर्वेश्वर शरण, सती आ बाबा, बालक बाबा, बृजकिशोर दाम, रामदत्त अधिकारी, अनंत दाम अदि मौजूद रहे।

5 ट्रिलियन डॉलर की अर्थव्यवस्था बनाने में कृषि क्षेत्र महत्वपूर्ण



वीएचयू विज्ञान संस्थान में अंतरराष्ट्रीय सम्मेलन

अमर उजाला ब्यूरो

वीएचयू विज्ञान संस्थान सभागार में सतत कृषि विकास पर आयोजित अंतरराष्ट्रीय सेमिनार में पुस्तक का विमोचन करते प्रो पंजाब सिंह व अन्य ।

वाराणसी। भारत को पांच ट्रिलियन डॉलर की अर्थव्यवस्था बनाने के लक्ष्य में कृषि क्षेत्र महत्वपूर्ण योगदान दे सकता है। युवा वैज्ञानिक कृषि क्षेत्र को सम्मयाओं के सम्मामान खोजने पर काम करें। उक्त विचार रमो लक्ष्मीबाई केन्द्रिय कृषि विश्वविद्यालय जॉसी के कुलाधिपति प्रो. पंजाब सिंह ने व्यक्त किए। यह शुक्रवार को बदलते वैश्विक परिदृश्य में सतत कृषि विकास पर आयोजित अंतरराष्ट्रीय सम्मेलन में संबोधित कर रहे थे। सम्मेलन के पहले दिन प्रथम सत्र में शोधार्थियों ने शोध प्रस्तुत किए। इस अवसर पर युवा और प्रख्यात वैज्ञानिकों को सम्मानित किया गया। इसके अलावा डॉ. रजनीश

वीएचयू के विज्ञान संस्थान में अंतरराष्ट्रीय सम्मेलन युवा और प्रख्यात वैज्ञानिकों को किया सम्मानित

सिंह, डॉ. बृजेंद्र सिंह को पुस्तकों का भी विमोचन किया गया। इस दौरान डॉ. आरके सिंह ने कहा कि किसानों के सामने कम संसाधनों में अधिक उत्पादन की चुनौती है। बांदा कृषि एवं प्रौद्योगिकी विश्वविद्यालय के कुलापति डॉ. यूएस गौतम ने कहा कि कृषि क्षेत्र में आ रहे सकारात्मक परिवर्तनों का सामाजिक-आर्थिक विकास पर भी सौंध-सौंध प्रभाव पड़ेगा। इस अवसर पर एके सिंह, प्रो. जीएस सिंह, डॉ. गजीब प्रताप सिंह ने विचार व्यक्त किए।

फाइव ट्रिलियन डॉलर इकोनॉमी में कृषि क्षेत्र की भूमिका अहम

अंतरराष्ट्रीय सम्मेलन में बोले ख्यात कृषि वैज्ञानिक प्रो. पंजाब सिंह

बोएचयू

- कहा, लक्ष्य प्राप्ति के लिए संसाधनों का हो कुशल व प्रभावी उपयोग
- 'बदलते वैश्विक परिदृश्य में सतत कृषि विकास' को किया संबोधित

जार्स, वाराणसी : प्रधानमंत्री नरेंद्र मोदी के फाइव ट्रिलियन डॉलर इकोनॉमी के लक्ष्य को हासिल करने में कृषि क्षेत्र की भूमिका महत्वपूर्ण है। लक्ष्य हासिल करने के लिए संसाधनों का कुशल और प्रभावी प्रयोग जरूरी है, जिसके लिए आवश्यक सुविधाओं और तकनीकों को उपलब्धता समय की मांग है। यह बातें बीएचयू के पूर्व कुलपति व राष्ट्रीय कृषि विज्ञान अकादमी (नास) के अध्यक्ष प्रो. पंजाब सिंह ने कही। यह बीएचयू स्थित विज्ञान संस्थान के संगोष्ठी संकुल में शुक्रवार को तीन दिवसीय अंतरराष्ट्रीय सम्मेलन 'बदलते वैश्विक परिदृश्य में सतत कृषि विकास' के उद्घाटन सत्र को संबोधित कर रहे थे।

उन्होंने कहा कि 1.3 अरब लोगों की खाद्य आवश्यकताओं की पूर्ति अपने आप में बहुत बड़ी चुनौती है। इसके लिए सुविधाओं संग नवीन तकनीक का कुशलता से प्रयोग करना होगा। युवा वैज्ञानिक कृषि क्षेत्र की समस्याओं के सम्मामान खोजने की दिशा में काम करें, ताकि वांछित लक्ष्य हासिल किया जा सके। उन्होंने बताया कि वर्तमान में

वे बढ़त दिखाई दें। र मिनेट में संयोग केवल अपनी ही अपने टीम को

प्रथम हाक में यही स्कोर था। खेल के 61वें मिनेट में अयोध्या मंडल की

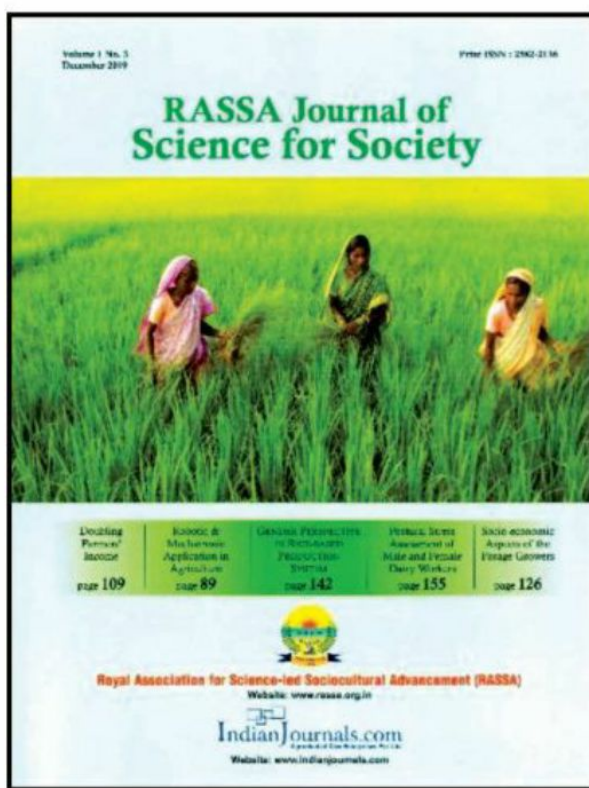
पर भी प्रभाव पड़ना चाहिए, तबकि कृषि क्षेत्र को वास्तव में भारतीय अर्थव्यवस्था की रीढ़ कहा जा सके। वहीं अल्पसंख्यता करते हुए आरएसएसएस (रॉयल एसोसिएशन फॉर रिसर्च-लेड सोल्यू-कल्चरल एडवॉसमेंट) के अध्यक्ष इंजीनियर एके सिंह ने किसानों और कृषि क्षेत्र के हितों को ध्यान में रखते हुए शोध कार्य पर बल दिया। उन्होंने कहा कि गांव व शहर दोनों जगह समिति बनाई जाए। किसानों के उत्पाद समितियों के माध्यम से सीधे शहर में पहुंचे और शहर की समितियों शिक्षा और तकनीक गांव-गांव में पहुंचाए। इससे किसानों को बिचौलियों से छुटकारा मिलेगा और उनका जीवन समृद्ध होगा। इस दौरान युवा कृषि वैज्ञानिकों का सम्मान नया। साथ ही डा. रजनीश सिंह व डा. बृजेंद्र सिंह द्वारा लिखित दो पुस्तकों का विमोचन भी किया गया।

सम्मेलन के पहले दिन तकनीकी सत्रों में वैज्ञानिकों व शोधार्थियों ने विविध विषयों पर शोध पत्र प्रस्तुत किए। स्वागत पर्यावरण एवं धारणीय विकास संस्थान के संकाय प्रमुख प्रो. जीएस सिंह व धन्यवाद ज्ञापन आयोजित

4.3 Publications

4.3.1 RASSA Journal of Science for Society

The first volume of the RASSA Journal of Science for Society was published with three issues starting April 2019 till December 2019. A total of 32 articles were published spanning 165 printed pages. These papers represented various subject disciplines, such as agricultural sciences, medical sciences, energy, veterinary and animal sciences, fisheries, engineering, economics, business management and social Sciences, as well as



state-centric articles. Among various article types, one policy paper, seven mini-reviews, seven feature articles, eleven scientific correspondence and eight research articles were published in the first volume along with the news and views section.

4.3.2 Rajarshi Sandesh

Two issues of volume 1 has been published. Sixteen articles in Hindi has been published in both issues. In addition to articles, the work to be carried out in field for coming six months are also being published for benefit of farmers.

5

RASSA Social Activities

5.1 Farming

RASSA adopted the following four villages to disseminate the latest technologies amongst farmers to upgrade their social living,

Babiyaon village, Block Chaubepur, District Varanasi

Contact person of the village is Sri Shalendra Singh Raghuvanshi. RASSA Kisan Sahyog Karyakram was organised in the village on 16.11.2018. Dr Narendra Singh Raghuvanshi is the In-charge of the activities in the village. Farmers were given information about improved package and practices. A demonstration camp was organised, and as per the interest of farmers, improved variety of Mustard seed was demonstrated on the field of 10 farmers on October 28th, 2019.

Sohani, Thannagaddi, Jaunpur

A RASSA-Kisan Sahyog Karyakram was organised by Dr N S Raghuvanshi on 22.10.2019. As per the need of participating farmers, improved variety of Mustard seed was demonstrated on field of 10 farmers using tractor operated seed drill.

Dighwat, Chandauli

Three improved varieties of wheat HD 2967, HD 3086 and HD 3118 were demonstrated in clay loam soil and

correspondingly yields obtained were 2.7 t/ha, 3.1 t/ha, 3.1 t/ha, respectively. Rat attack was common in the nearby fields. Late maturity of HD 2967 was reported by the farmer. The yield was slightly lower to their traditional variety. In *kharif* season, DRR 50 variety of paddy was demonstrated in the village. Yield was 3.2 t/ha which was also less than the traditional variety. This variety has an advantage of maturing early than traditional, which enables farmer in timely sowing of wheat.

Bihat Biram, Sitapur

Contact person of the village is Sri Vivek Singh Shekhawat. Demonstration of improved varieties (wheat



S.No.	Name of farmer	Village	Quantity of seed distributed, kg
1	Sh. Gokul	Bihat Biram	20
2	Sh. Sriram	Bihat Biram	25
3	Sh. Vivek Singh Shekhavat	Bihat Biram	55
4	Sh. Apporva Singh	Sadila	35
5	Sh. Ram Prasad Rathore	Dughra	20
6	Sh. Satyapal Singh	Dughra	25
7	Sh. Munni Lal	Dughra	30
8	Sh. Veeru	Pandekhera	10



HD 2967 and Mustard) was conducted in the village for assessing farmers' feedback. Average yield was 4.5 qt/ bigha (5 bigha in 1 acre). Total seed produced about 550 kg. This year contact person Mr Shekhavat had given to eight farmers.

The mustard seed was not produced with good quality due to the rapid increase of temperature at the time of flowering and seed set. Most of the other farmers also did not produce good quality seed, because of which it was not sown this year.

A five farmers (Vivek Singh, Dharmendra Awasthi, Ashish Singh, Sanjay Awasthi and Laxman Singh) delegation from Bihat Biram were also visited Sajahanpur and meet with Dr. J. Singh, Director in January last week for adopting new technologies in Sugarcane farming.

Sema village, Block Jahanaganj, District Azamgarh

Dr Rudra Pratap Singh is the in-charge of the activities in the village. RASSA Kisan members are actively taking part in the various program organised by the State Department of Agriculture and KVK of NDUAT.

Machkoli Village, District Bulandhsahr

The contact person from the village is Sri Manoj Kumar. RASSA-Kisan Sahyog Karyakram was organised at Machkoli village of Bulandshahar district on 30.09.2018

by RASSA, Delhi. The latest wheat variety (HD 2967 and HD 3086) was demonstrated in Ravi season as per the need and request of farmers during RASSA-Kisan Sahyog Karyakram conducted on 30.09.2018. The improved variety of wheat was sown in Sunehra, Hartoli, Shimbabli, Bilsori villages. Yield of HD 2967 was reported by farmers in tune of 5 t/ha whereas yield of HD 3237 was having yield of 5.62 t/ha. Farmers got better yield with HD 3237 even after falling (due to more height) than HD 2967. At all location, this variety performed better. Farmers kept the variety for sowing in next season.

5.2 Impact of Interaction with villagers

RASSA organised a programme at Kantha village, District Unnao, Uttar Pradesh in collaboration with Assure Foundation, New Delhi under "Village Development Movement Mission" on April 19th, 2018. The major issue of the farmers of the village was opening of the canal for irrigation purpose. The matter was taken by the state administration by our member Prof D S Sengar during the reported period, and state administration agreed for providing the solution.



5.3 Educational Assistance

On the recommendation of the Educational Assistantship Committee, RASSA provided educational assistance from Corpus fund to following students during the reported period,

1. Sri Satyam Gaharwar S/O Sri Gorakh Singh, Shiv Ram Park, Nangloi Delhi, a student for pursuing

B.Sc. (Physical Sciences) from Keshav Mahavidyalaya, University of Delhi.

- Miss Amita Singh, D/O Shri Pradeep Singh, Bihat-Biram, Sitapur, UP for pursuing Intermediate from LRPSVM Inter College, Sadila, Sitapur.

5.4 Progress of RASSA Vananchal Vidyalaya

RASSA established RASSA Vananchal Vidyalaya concept in Naudihawan village (tribal belt of Naugarh tehsil), Chandauli district, Uttar Pradesh. The Rural India Development Foundation (RIDF), Varanasi is the partner for RASSA EKAL VIDYALAYA. Teacher in this Vidyalaya is Sri Deepak Singh. Class-wise details of 64 students during 2019-20 are given below:

Class	Boys	Girls
1	7	10
2	4	6
3	6	8
4	3	3
5	9	8
Total	29	35

Name of students of Class 1

S.No.	Name of Students	Father's Name
1	Ajay Kumar	Sri Mithalesh
2	Arabind	Sri Jagjivan
3	Alok	Sri Rajesh
4	Sumit	Sri Bhupendra
5	Krishna Jeet	Sri Ramkisun
6	Amita	Sri Sures
7	Sunita	Sri Sures
8	Sunaina	Sri Vijay Mal
9	Madhurani	Sri Markande
10	Chandan	Sri Chhaibar
11	Aakanchchha	Sri Mithles
12	Amarkant	Sri markande
13	Nisha	Sri Chhaibar
14	Radhana	Sri Chhunnu
15	Aanchal	Sri Suraj
16	Priti	Sri Ram Bharos
17	Shibha	Sri Grahan

Name of students of Class 2

S.No.	Name of Students	Father's Name
1	Prinsh	Sri Shisham
2	Kajal	Sri Murahu
3	Priti	Sri Ram Kisun
4	Suman	Sri Sumaru
5	Arun Kumar	Sri Shanta
6	Sadhana	Sri Chhunnu
7	Vivek	Sri Vilendra
8	Aakanchchha	Sri Shekhar
9	Aasha	Sri Amar Nath
10	Ishan	Sri Samim Ahmad

Name of students of Class 3

S.No.	Name of Students	Father's Name
1	Vishvajeet	Sri Kamla
2	Vindhyachal	Sri Vijaymal
3	Sugan	Sri Lakshman
4	Priyanka	Sri Surendra
5	Golu	Sri Bajarangi
6	Ajit	Sri Anant
7	Pramila	Sri Grahan
8	Anju	Sri Vilendra
9	Priyanka	Sri Bullu
10	Ravi Shankar	Sri Ram Prasad
11	Rehan	Sri Tamim Ahamad
12	Jishan	Sri Tamim Ahamad
13	Nandani	Sri Ram Awadh
14	Savita	Sri Neharu

Name of students of Class 4

S.No.	Name of Students	Father's Name
1	Saroj	Sri Vijay Mal
2	Jyoti	Sri Jagdish
3	Rohit	Sri Dulare
4	Arabind	Sri Shiv Pujan
5	Suman	Sri Chandra Shekhar
6	Rakes	Sri Surendra

Name of students of Class 5

S.No.	Name of Students	Father's Name
1	Vimles	Sri Nehru
2	Krishna Kumar	Sri Paanchu
3	Radhika	Sri Rajesh
4	Sandhya	Sri Rajesh
5	Anu	Sri Vilendra
6	Renu	Sri Rambali
7	Aanchal	Sri Ram Prasad
8	Adarsh	Sri Satish
9	Shweta	Sri Mahesh
10	Soni	Sri Bhupendra
11	Shubham	Sri Sadhusarana
12	Sushil	Sri Murahu
13	Rahul	Sri Sanjay
14	Rubi	Sri Ramesh
15	Ranjeet	Sri Rajendra
16	Shashwat	Sri Ramjatan
17	Sonu	Sri Rajesh



Distribution of blankets to villagers in the tribal belt.





28 Solar lights were distributed to the students who are attending mostly the vidyalaya.



Distribution of blankets to villagers in the tribal belt. 28 Solar lights were distributed to the students who are attending the vidyalaya.

5.6 Foundation day

RASSA celebrated 3rd Foundation day at U P College Varanasi on 13.10.2019. Dr Harendra Singh, M L A, Zafarabad was the Chief Guest on Foundation day and Sri Devendra Singh, Sangathan Mantri; Sri Narendra Singh Raghuvanshi, District President and Dr Bindhyachal Singh were guest of honour on the day. The Foundation Day was presided by Er Awadhesh Kumar Singh, President RASSA. Dr Kuldeep Singh, Secretary of the Varanasi Unit, conducted the session of the day. After floral Vouchae welcome of Chief Guest and Guest of Honour, President RASSA briefly explained about RASSA before Chief Guest and guests. The guests were highlighted the work done by the people in making the society educated. They were also in view to motivate the like-minded people in achieving the mission.

Chief Guest honoured the recipients of RASSA Fellow-2019 award instituted by RASSA. The Fellow awardees are as follows:

S.No.	Name of Fellow Awardees
1	Dr GP Rao, FM 62, Principal Scientist, Division of Plant Pathology, ICAR-IARI, New Delhi
2	Dr A K Singh, LM 40, Principal Scientist, CPCT, ICAR-IARI, New Delhi
3	Dr R K Singh, LM 79, Assistant Director General (CC), ICAR, New Delhi
4	Dr Maharaj Singh, LM 172, Principal Scientist, ICAR-IISR, Indore
5	Dr Rita Singh, LM 169, Joint Director & Scientist F, DRDO, Pithoragarh
6	Dr Anil Kumar Singh, LM 30, Professor, Department of Horticulture, Institute of Agriculture Sciences, BHU, Varanasi





people. He further requested members to build such a society which can help the needy. He assured to offer his support whenever needed for the noble cause to build the society. Dr H B Singh was also selected for Fellow during the year, but this year fellowship could not be given in absentia. Same will be given in coming Foundation Day.

All the members including National Executive appreciated RASSA Varanasi Unit for conducting a grand International Conference 2019 at Banaras Hindu University, Varanasi from October 11-13, 2019 under the leadership of Prof Arun Kumar Singh, Chairperson of Unit. Members also appreciated the hard work and dedication of Organising Secretary Dr Rajeev Pratap Singh in the successful conduct of International Conference.

Chief Guest congratulated the RASSA Fellow 2019 awardees. He appreciated the effort of RASSA in bringing out the intellectuals on one platform. He mentioned the role of the person in uplifting the needy

6

RASSA Awardees-2019

Royal Association for Science-led Socio-cultural Advancement (RASSA) instituted **RASSA Fellow Award** from the year 2019 and it will be awarded every 2nd year. The RASSA Fellowship is based on the impact of their technologies for the advancement of societal development and/or policy formulation. In addition to this, the applicants' contribution towards RASSA is deciding factor after minimum qualifying criteria. This award is given only in person on its Foundation Day.

Based on the recommendations of the committee, following were conferred the RASSA Fellow 2019 and was given on its Foundation Day organised at Varanasi on 13.11.2019:

6.1 Dr. Govind Pratap Rao

In recognition of his passion, dedication for agricultural research, guidance and editing of scientific publications with 32 yrs of continued excellence in legendary scientific contributions and book publications in Plant Pathology



He is working as a Principal Scientist (Plant Pathology) at IARI, New Delhi. He did his M.Sc. (Botany) and Ph.D. in Plant Virology from Gorakhpur University. He did Post-Doc at University of Urbana-Champaign, Illinois, USA in 1994. He has worked in different capacities as Scientist and Administrator in UP Council of Sugarcane Research at Seorahi and Shahjahanpur from 1987 to 2010. Dr Rao has 32 years of research and extension experience in plant pathology especially on plant virology and phytoplasmas. Dr Rao has worked on characterisation and management of plant viruses and phytoplasmas. He has published over 140 research papers and authored and edited nearly 17 books to his credit. He has also guided 12 Ph.D. students. At present, Dr Rao is working on characterisation, epidemiology and

management of cereal viruses and phytoplasmas. He has been awarded several prestigious national and international awards. The most important ones are: Overseas BOYSCAST Associateship Award (1996) from DST; President Award, Society for General Microbiology, UK 1998; Best UP Agriculture Scientist Award (UPCAR), Govt of Uttar Pradesh, 2002; Vigyan Ratna Award by CST, Govt. of UP, 2003-2004; Jin Xiu Qiu Award, China in 2006; IAPSIT Excellence Award, Egypt, 2008; Dr Ram Badan Singh Vishisht Krishi Vaigyanik Puraskar-2014 by UPCAR, Lucknow. Dr. Rao is Editor-in-Chief of **Sugar Tech**, International Sugar Crops Journal and **Phytopathogenic Mollicutes**, an international journal of phytoplasmas. Dr Rao is also Secretary General of Indian Virological Society, New Delhi and Society for Sugar Research & Promotion, New Delhi, and members of several prestigious international scientific organisations. Besides, Dr Rao has visited over 32 countries as a visiting Scientists, for invited talks, post doc fellows, research training, panel discussion and for attending workshop and conferences.

6.2 Dr. Ram Kewal Singh

In recognition of his passion, -dedication for research, guidance and management with 30 yrs of continuing excellence in legendary contribution in Genetics, Genomics & Molecular Breeding



He has contributed significantly in the field of genetics, genomics & molecular breeding. He was instrumental in developing SSR markers linked to important traits in a wide range of crops. He bred two KTI free & two photo-insensitive soybean genetic stocks and four sugarcane varieties through MAS, and developed mutants in black gram to enhance the yield potential. He successfully developed a regeneration protocol in lentil and a

pioneering protocol for the production of nitrogen use efficient, disease-free and genetically pure micropropagated plantlets in sugarcane that was a commercial success. Dr. Singh's pioneer work on STMS assisted DUS testing in basmati rice is universally accepted. Likewise, mapping of fertility restorer gene expedited hybrid breeding. For the first time ever, his effort on development and Utilisation of novel functional SSR and conserved intron scanning markers in GWAS for identification of putative candidate gene(s) resistant to red rot in sugarcane is very well recognised. Dr. Singh has received several national awards viz., DST- SERC Visiting Fellowship Award-1997-98, DBT-National Biotechnology Associateship Award -1999-2000 and DBT-CREST Award -2012-13 and other academics awards. He was part of different foreign delegations for developing bilateral collaboration. Dr. Singh published 150 research papers, 20 book chapters, 4 books, guided 8 M.Sc. students & 1 BioCare Scientist. Presently, Dr. Singh has been actively involved in effective implementation of ICAR policy, guiding and monitoring research programs on steering growth and productivity of commercial crops at the national level.

6.3 Dr. Awani Kumar Singh

In recognition of his commitment and dedication for research, guidance and extension spanning 22 yrs. of continuing excellence in research/ teaching/ publication and Extension in Vegetable Science and Protected Cultivation



He born in Azamgarh, UP on March 15th, 1972, did his B.Sc. Ag. from TD, Collage, Jaunpur, (Purwanchal University, Jaunpur) UP and M.Sc. Ag., Ph.D.in Horticulture-Vegetable Science, and B.Ed. in Science from RBS, Collage, Agra (Agra Univ. Agra) UP. Dr. Awani Kumar Singh is presently working as Principal Scientist, Horticulture-Vegetable Science in the ICAR-IARI, New Delhi. He has served as SMS (Hort. Sci.) in KVK, Lohaghat, Champawat under Pantnagar Ag. University, Uttarakhand and Senior Scientist at CPCT-IARI, New Delhi. His major research contributions have

been in the area of Protected Cultivation cum Hi-tech-Horticulture and have developed 07 high yielding varieties in different vegetable crops like Bittergourd, Cucumber, Summer Squash, Muskmelon, Tomato, Cherry-Tomato for protected cultivation. His significant contributions include Development of variety of Pusa Cherry-1 which is also moderately resistant to root-knot nematode resistant. Dr Singh is connected to a large number of farmers who have adopted polyhouse technology all over India. He has published over 50 research papers in national and international journals of repute, 50 research articles, 55 research abstracts, 12 books cum manuals chapters, three books, five bulletins, 15 extension folders, ten training cum teaching manuals and 500 news coverage in printed media. His outstanding contribution is in protected-horticulture after 22 years of research engagement. Dr. Singh handled 15 research cum extension projects as a PI and Co-PI, guided 3 M.Sc. Students in Vegetable Science earned him three best Paper presentation awards and delivered 10 lead lectures in seminar and symposia. Dr. Singh has disseminated farmer-friendly technologies among more than two lakh farmers-cum-growers in the field of vegetable production and protected cultivation technology across India with the help of training, demonstrations, lectures, literature, farmer's fairs, goshties, seminars, symposia and MGMT programme. Dr. Singh has organised 3-short course training programmes of ICAR and Directorate of Extension, Ministry of Agriculture in the capacity of Course Director, Attending 30 TV talk and 10 Radio on the topic of protected cultivation in DD1, DD-Kisan, FM-Gold and having eight life member of reputed Indian Society, i.e. ICAR, Horticulture, Veg. Sci., Progressive Hort. and Fellow in, CHAI, NONI and Progressive Horticulture etc. He has also received Best Scientist Award 2019 for the best work in the field of protected cultivation technology at Mau, UP by NEFORD, Organization, Lucknow, UP. The Royal Association for Science-Led Socio-Culture Advancement (RASSA) has conferred the **RASSA YASHASHVI SAMMAN** and Best **Scientist Award** in Welfare to society and transfer of protected cultivation technology for the year 2017 and 2018 to **Dr Awani Kumar Singh**, Principal Scientist having a significant contribution in the field of Protected Horticulture cum Vegetable Science.

6.4 Dr. Rita Singh

In recognition of her outstanding contributions in the field of skin wound dressings and bone allografts for clinical use



She has made outstanding contributions in the field of Tissue Banking. She has developed biological and biosynthetic skin dressings for the treatment of burn injuries and non-healing ulcers. Her significant contribution is processing and banking of allograft bones for orthopaedic and reconstructive surgery. Amniotic membranes processed as biological dressing and bone allografts have been successfully used in clinical cases both in military and civilian hospitals. Her research work has been published in reputed International Journals and has been widely cited. Dr. Rita Singh is recipient of the International Atomic Energy Agency (IAEA) Fellowship 2000-2001 and IAEA Plaque 2001. She obtained certified training in Tissue Banking from National University, Singapore. She has worked at Northwest Tissue Centre, Seattle, Washington, USA during 2007-2008 and Tissue Engineering Group, University of Sheffield, UK in 2012. She was awarded DBT Overseas Associateship in 2007, National Science Day Oration Award by DRDO in 2011 and DBT CREST Award in 2012. She has been honoured by the Department of Biotechnology with the National Woman Bio scientist Award.

6.5 Dr Maharaj Singh

In recognition of his passion, -dedication towards research, guidance and editing while almost completing age of 54 years with 22 years of continuing excellence in Legendary contributions in the field of Plant Physiology



He has contributed significantly in sustaining the Brassica oilseed yield under changing climate through the

identification of genetic stocks for high water use efficiency, high-temperature tolerance for the early and late stage of brassica crop growth, salinity and drought tolerance. These genetic stocks are now being used as check-in AICRP(RM) program and Breeders are also using to breed for high temperature, salinity and high water use efficient varieties. Besides these, Dr Singh was the member of the team developed three Mustard varieties namely, NRCDR-02, salinity and high-temperature tolerant variety popular in Rajasthan, Haryana, Delhi and western Uttar Pradesh. High temperature tolerant, short-duration varieties NPJ-124 (Pusa Mustard-28), suitable for the multi-crop system. Quality mustard LET-36 (Pusa Mustard-29) variety. Dr. Singh has received several National and International awards viz., XVIth IUBMB Young Scientist Partial Fellowship Award (1994) by International Union of Biochemistry and Molecular Biology, "Rajeev Gandhi Gyan-Vigyan Molik Pushtak Lekhan Puruskar-2013" Presented by President of India. B.V. Ramana Best Paper Award in Agricultural Agrometeorology-2018. RD Asana Gold Medal Award- (1994) by Indian Society for Plant Physiology (ISPP), New Delhi., Young Scientist Award (1992) By ISPP, New Delhi, Marquis 'Who's Who in the World-2015 award. Appreciation Award-2015 by ICAR-CAZRI, Jodhpur Day. Gold Medal in M.Sc. (Ag.) Crop Physiology, SRF in Ph.D. By CSIR, New Delhi, JRF in M.Sc. (Ag.) by ICAR, New Delhi. During the scientist career, Dr. Singh published 54 research papers, ten book chapters, two reviews, two books, several popular articles. Dr Singh guided 20 M.Sc. and one M. Phil students. Dr. Singh is associated as a reviewer with different research journals.

6.6 Dr Anil Kumar Singh

In recognition of his passion, -dedication towards teaching, research and guidance of students while completing age of 53 years with 26 years of continuing excellence in Legendary contributions in the field of Horticulture



He is presently working as Professor in Department of Horticulture, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, U.P., India. He has served Nagaland University, Medziphema, Nagaland and G.B.P.U.A.&T., Pantnagar, Uttarakhand. Prof. Singh has a rich experience of over 26 years working with gladiolus, rose, gerbera, lilies, tuberose, marigold and other important shrubs. Dr. Singh has developed three varieties of gladiolus, i.e. Malaviya Kiran, Malaviya Shatabdi and Malaviya Kundan. He has also developed hybrids of snapdragon for different purposes viz., bedding, rockery and cut flowers. Dr. Singh has received awards and recognitions viz., Eminent Scientist Award 2018 by Samagra Vikas Welfare Society at BBAU, Lucknow, Best Teacher Award 2015, Mahima Agricultural Excellence Award 2014, etc. Dr. Singh is an expert member of UGC New Delhi, ASRB New Delhi, ICAR Institutions, Central Universities, UPPSC, UP Higher Education Commission, MHPSC, PSC Uttarakhand, HP Public Service Commission, State Universities, etc. Prof. Singh is a prolific writer and his books Commercial Flowers: Cultivation and Management, Breeding and Biotechnology of Flowers: Vol. 1 Commercial Flowers

and Breeding and Biotechnology of Flowers: Vol. 2 Garden Flowers are much popular in India and abroad. Prof. Singh has more than 690 publications to his credit (Research papers 210, proceeding papers 19, National and International conference/symposium papers 320, book chapters 39, popular/semi-scientific articles 94 and books 8). He has served universities in various capacities like Associate Director, Model Floriculture Centre (MFC), GBPUA&T, Pantnagar, Head, Department of Horticulture, BHU, Prof. In-charge, Horticulturist Unit of BHU, Chairman, Campus Beautification and Landscaping Committee of BHU and South Campus, etc. He is Fellow of Horticulture Society of India (FHSI), Fellow of the Hill Horticulture Development Society (FHHDS) and Fellow of Indian Society of Hill Agriculture (FISHA). Prof. Singh has guided 12 Ph.D. and 42 M.Sc. (Ag.) students. Dr. Singh has handled projects funded by the DST, DBT, ICAR, Ministry of Health and Family Welfare (GOI), UPCAR, HTM, NHM, etc.

6.7 Dr H B Singh of BHU will be awarded Fellow during the next foundation day.

7

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Various programmes organised by the RASSA during the reported period could not have been possible for newly born society such as RASSA without the financial support of our sponsors. RASSA thanked all the following sponsors for their generosity:

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RASSA also thanks to our partners for extending cooperation in organising the following mega-events during the reported period:

Banaras Hindu University, Varanasi

8

RASSA Core Members

i. Core Members

Member-ship No.	Name & Address	Father's Name	Mobile	Email
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LM 158	Dr S.K. Singh , Sr. Scientist (Plant Protection) OFRC-SKUAST-J, JAMMU 180009		9419203115	sksingh.patho@gmail.com
LM 159	Dr Kapila Shekhawat , Sr Scientist, Div. of Agronomy, ICAR-IARI, New Delhi; D36, Pusa Campus, IARI, New Delhi	Shri Jaideo Singh	8094262010	drathorekapila@gmail.com
LM 160	Dr Saurabh Kumar Singh , Assistant Professor, Department of Horticulture, LPU, Phagwara, Punjab-144411: Village – Karoundi, Post- Bombhour, District- Sitapur, Uttar Pradesh, 261206	Sri Dinesh Prakash Singh	9690480838	saurabh3596@gmail.com
LM 161	Dr Nimisha Suryavanshi , 59 Mayur Residency, Farida Nagar, Lucknow-226015	Sri Ram Ratan Singh	9554115120	suryavanshi59@yahoo.co.in
LM 162	Dr Durga Prasad Singh , Assistant Professor Plant Pathology, Banda Univ. of Agriculture & Technology, Banda, U.P.: Vill. Bhitipaharpur, Post- Amari, Surapur, Dist-Sultanpur- 228161 Uttar Pradesh	Late Shri Amar Jeet Singh	8787098886	dp.shubh@gmail.com
LM 163	Dr Bharat Singh , Professor (Soil Science), RVSKVV, College of Agriculture, Indore (MP) 452001; Gotra- Bhardwaj, Vill- Dewalbir, P.o.- Nikasi, Distt.- Ballia, (UP) – 221711; Present Add..F/11, Krishi Nagar, Near PTC Road, College of Agriculture, Indore (MP) – 452001	Shri Nambari Singh	9425029424	singhbharat05@gmail.com, bharatsingh05@rediffmail.com
LM 164	Dr Amit Kumar Singh , Assistant Professor (Agronomy) at Banda University of Agriculture & Technology, Banda; Village Singarpur, Tahsil- Saidpur, District-Ghazipur (UP).	Shri Akhilesh Kumar Singh	7005357875	dr.amitsingh27@outlook.com
LM 165	Dr Anil Kumar Singh , Assistant Professor, Department of Agricultural Economics, NDUAT-College of Agriculture, Kotwa, Azamgarh: Village Pinzara, Mau: B-3, Ganga Vatika, Ganga Nagar, Meerut	Late Sri Basant Singh	9450511153	asaksingh81@gmail.com

Member-ship No.	Name & Adress	Father's Name	Mobile	Email
LM 166	Dr Shashi Singh , Assistant Professor, BNS Girls Degree College, Janaura, Ayodhya UP 229001: 215/3, Parikrama Marg, Near Bheemsen Place, Janaura, Ayodhya UP 229001	Sri IN Singh	9952885707	shashibisen@gmail.com; dranujbhardwaj@gmail.com
LM 167	Sri Santosh Kumar Gautam , Chief Manager- Service, Vijay Tanks & Vessels P Ltd, Soma Heights Triveni CHS Ltd, A3/103, Next to Evershine Main Gate, Vasai I, Thane- 401208 Maharashtra: Flat No. 101, Ganga Sagar Apartment, 838/47 F.L. Mahamoorganj, Gokul Nagar, Varanasi 221010	Sri Vakeel Singh Gautam	8320542181	santoshkgautam@yahoo.co.in
LM 168	Dr Antaryami Singh , Scientist F & Joint Director, DIBER Field Station (DRDO), Pithoragarh, Uttarakhand 262501: DRDO Residential Complex, DIBER Field Station (DRDO), Pithoragarh	Sri Kapil Deo Singh	9414173101	antaryamisingh@yahoo.com
LM 169	Dr Rita Singh , Scientist F & Officer Incharge, DIBER Field Station (DRDO), Pithoragarh, Uttarakhand 262501: DRDO Residential Complex, DIBER Field Station (DRDO), Pithoragarh	Dr L N Singh	9414071101	singhritadr@yahoo.com
LM 170	Mr Krishna Singh Tomar , Assistant Professor (Floriculture and Landscaping), College of Horticulture, Banda University of Agriculture & Technology, Banda	Shri (Late) Vijay Singh Tomar	9862577495	tomarhorti@rediffmail.com
LM 171	Dr Bhalendra Singh Rajput , Assistant Professor (Agroforestry), Banda University of Agriculture and Technology, Banda	Shri Narayan Singh Gaur	7800717987	bhalendrasrajput@gmail.com
LM 172	Dr Maharaj Singh , Principal Scientist (Plant Physiology), ICAR-Indian Institute of Soybean Research, Khandwa Road, Indore (MP)	Sri Raghuvir Singh	9413112652; 9926590077	ms_drmr@rediffmail.com
LM 173	Dr Ravinder M Chauhan , Research Scientist (Seed) & Nodal Officer (BSP), SardarkrushinagarDantiwada Agricultural University (SDAU), Banaskantha, Gujarat 385506	Shri Mangal Singh Chauhan	9427014744	rmchauhan.sdau@gmail.com
LM 174	Dr Abhishesh Kumar Singh , Medical Officer, Bhardwaj Shanti Chikitsalay and Managing Director, RVS Convent School, Iliya, Chandauli	Shri Laxmi Narayan Singh	9415451551	dr.abhishesh@gmail.com

Member-ship No.	Name & Adress	Father's Name	Mobile	Email
LM 175	Dr Anil Kumar Singh , Assistant Professor, Deptt. Of Agricultural Chemistry & Soil Science, SMM Town PG College, Ballia; Plot No. 16, Mahamanapuri Colony, Varanasi – 221 005, UP	Sri Ram Chandra Singh	9800932210 ; 7086572325	singhanil80@gmail.com
LM 176	Dr Akhilesh Singh Raghubanshi , Professor & Director, Institute of Environment & Sustainable Development, BHU, Varanasi: 4, Rajeev Nagar, Karaundi Crossing, PO. BHU, Varanasi- 221005	Shri B R Singh	9919240241	raghubansh@gmail.com; asr@bhu.ac.in
LM 177	Miss Shilpa , Research Scholar, Department of Agronomy, Forage and Grassland, COA, CSKHPKV, Palampur-176062: AT&PO:Amkela, Jawali, Kangra- 176027	Shri Joginder Singh	9805590396	manhasshilpa.8@gmail.com
LM 178	Dr Mayank Singh , Assistant Professor, Department of Agricultural Extension, UP College, Varanasi	Late Dr V B Singh	9450616166; 9454219071	mayanextension@gmail.com
LM 179	Dr Tanuja Buckseth , Scientist (Vegetable Science), ICAR-Central Potato Research Institute, Shimla-171001 (HP)	Sh. Laiq Ram Buckseth	8988311171	tanujagbpuat@gmail.com
LM 180	Shiv Vendra Singh , Research Scholar, Room No. 83, Shastri Bhawan, GBPUAT, Pantnagar, U.S. Nagar, Uttarakhand-263145; Village – Amavan, Post- MawaiParyana, District- Lucknow, Uttar Pradesh- 226008	Shri Rajesh Singh	9918194399	shiv1992gbpuat@gmail.com
LM 181	Dr Brajesh Singh , PS & Head, Division of Crop Physiology, Biochemistry & PHT, ICAR-CPRI Shimla	Late Shri Surya Nath Singh	9816031628	birju16@gmail.com
LM 182	Dr Neelam Shekhawat , Scientist posted at NBPGR regional station C/o CAZRI Campus, Jodhpur; Type IV/2, AFRI Residential Complex, Plot no. 729, Basni, Jodhpur	Shri Guman Singh Shekhawat	8094069289	neelamshekhawat.859@gmail.com
LM 183	Dr RudraPtatap Narayan Singh , Senior Scientist, CSUAT-KVK, Raebareli, UP; Flat No. 1102, T-8, EldecoSaubhagyam, Vrindavan Yojna, Sector-9, Lucknow-226029: At&PO- Akorha Kalan, Chandauli	Late Shri Shyam Narayan Singh	9415744645	singhrpn@gmail.com
LM 184	Dr Dinesh Kumar Singh , Professor (Vegetable Science) & Director, Directorate of Placement and Counselling, GBPUAT, Pantnagar 263145: V/1318, TA Colony, GBPUAT, Pantnagar	Shri Ganpat Singh	9412931556	dks1233@gmail.com

Member-ship No.	Name & Address	Father's Name	Mobile	Email
LM 185	Dr Arun Kumar Singh , PS & Head, ICAR-RCER-Research Centre, Plandu, P.O. Rajaulatu, Namkun, Ranchi 10: Flat No. 204, Green Field Pinnacle Apartment, Shukla Colony, Hinoo, Ranchi- 02: Kharsoma, Sultanpur, UP	Shri Rama Shankar Singh	9835142705	aksingh171162@rediffmail.com
LM 186	Dr Anupma Singh , Professor, Department of Post Harvest Processing & Food Engg., CT, GBPUAT, Pantnagar 263145: V/1311, Ta Colony, GBPUAT Pantnagar: Amethi, Sultanpur, UP	Shri S N Singh	9411160079	asingh3@gmail.com
LM 187	Shri Ashish Kumar Singh , Research Scholar (Vegetable Science), GBPUAT, Pantnagar, Uttarakhand : Village – Khalasapatti, Post- Khutahan, District- Jaunpur, Uttar Pradesh, Pin code: 223104	Shri Om Prakash Singh	9415577639	singhashishgbpuat@gmail.com
LM 188	Dr UdaiBhan Singh , Scientist, National Bureau of Agriculturally Important Microorganisms (NBAIM), Kushmaur, Mau Nath Bhanjan, Pin: 275103 UP; Village Bhawanipur P.O. Kansahari, Ghazipur, UP	Shri Mahatam Singh	9450347358	nbaimudai@gmail.com
LM 189	Prof Ram Lakhn Singh , Professor of Biochemistry, Dr Ram Manohar Lohiya Awadh University, Ayodhya- 224001; Nawajpur, Ayodhya, UP	Late Shri Ram Singh	9415716591	drslsingh@rediffmail.com
LM 190	Dr Rajaneesh Singh , Associate Professor & Head, Department of Horticulture, Tilak Dhari Post Graduate College, Jaunpur-222 002; Bhaura, Jaunpur & Uttar Pradesh	Late Shri Rama Shankar Singh	9450526560	rajaneeshhort@gmail.com
LM 191	Dr Bijendra Kumar Singh , Assistant Professor, Department of Horticulture, Tilak Dhari Post Graduate College, Jaunpur-222 002 (UP); Gahora, Jaunpur & Uttar Pradesh	Shri Prabhat Kumar Singh	9598231942	simpalbk1987@gmail.com
LM 192	Dr Anjana Sisodia , Assistant Professor, Department of Horticulture, Institute of Agricultural Sciences, BHU Varanasi: 275, CP Colony, Morar, Gwalior, 474006	Dr H P S Sisodia	9424023109	anjana.floriculture@gmail.com
LM 193	Dr J P Shahi , Professor, Department of Genetics & Plant Breeding, Institute of Agricultural Sciences, BHU Varanasi		9415644490	jpshahi1@gmail.com

Member-ship No.	Name & Adress	Father's Name	Mobile	Email
LM 194	Dr Manoj Kumar Singh , Assistant Professor, Department of Agronomy, Institute of Agricultural Sciences, BHU Varanasi: N-3/75, T-5-S, R K Puram, Karamjeetpr, Sunderpur, Varanasi; Native Ballia	Late Shri Deena Nath Singh	9450467713	manozsingh@rediffmail.com
LM 195	Dr Jay Prakash Singh , Assistant Professor, Deptt. of Plant Pathology, SMM Town PG College, Ballia- 277001: Village & Post Maholi, near CCS Inter College Ayodhya – 224126, UP	Shri Bhanu Pratap Singh	9415471955	jayap999@gmail.com
LM 196	Dr Rana Pratap Singh , Res. Associate, Central Pollution Board, Regional Directorate, PICUP Bhawan, Bibhuti Khand, Gomti Nagar, Lucknow-226010; A278/2, Lane No. 10, Shivaji Puram, Near Sector 14, Indira Nagar, Lucknow-16; Village Hiradhpur, Mehpur, Ghazipur	Shri Anil Kumar Singh	9754032779	ranapratapsingh.sees@gmail.com
LM 197	Dr Anurag , Professor & I/c, Soil Science & Agricultural Chemistry, COA, IGKV, Raipur (CG); U-24, Sector 2, Avanti Vihar, PO. Ravigram, Raipur	Late Prof B S Tomar	9329602206	anuragscientist@rediffmail.com
LM 198	Dr Prabhakar Singh , Director Horticulture & Farm Forestry Govt of Chhattisgarh, Raipur; H. No. 200, Metro Green Colony, Opposite Bhawan School, Saddu, Raipur; Village Gopalpur, Azamgarh	Late Shri Bhujarath Singh	7587124379	prabhakarsingh.gautam@gmail.com
LM 199	Sri Ajay Kumar Singh , MDO, Syngenta, Kotwa, Azamgarh; Village KolBajbahadur, P.O. Bhawarnath, Azamgarh	Shri Surya Bhan Singh	8736904454	ajaykumarsingh50@gmail.com
LM 200	Ms Rupali Singh , FCA, CRM project, KVK, Azamgarh; Vill-Mahuwari, Post – Renda, Distt-Azamgarh (U.P) Pin – 276204	Shri Rakesh Singh	8874182491	rupalimahuwari@gmail.com
LM 201	Mr Upamanyu Singh , Agromet Observer, KVK, Kotwa, Azamgarh 276001; Dharwara, Thana -Jahanaganj, Distt – Azamgarh, State – Uttar Pradesh- 276131	Shri Harendra Singh	7897246262	youzmother8922@gmail.com
LM 202	Dr Shashank Singh , Guest Faculty, College of Fisheries, Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya, Uttar Pradesh 224 229; Pancho Peer, Jail Road, Near Manas Trading Company, Raipur Raja, Bahraich, 271801	Shri Y. P. Singh	9022378554	ssaqua7@gmail.com

Member-ship No.	Name & Adress	Father's Name	Mobile	Email
LM 203	Dr Tej Pratap , SMS, Agromet, KVK Azamgarh, Uttar Pradesh 276001; Village Tajopur, P.O.- Tajopur, Distt.- Mau 275101	Shri Ashok Kumar	8004159046, 9155170603	tej2day@gmail.com
LM 204	Dr Shashank Singh , Assistant Professor, Faculty of Agriculture, Kamla Nehru Institute of Physical and Social Sciences, Faridipur, Sultanpur, Uttar Pradesh 228001: Village- Katra, PO- Baduwagodam, Distt.- Mau, 275101	Dr. Manoj Kumar Singh	9565015653, 6306724850	singhanshu412@gmail.com
LM 205	Dr Alok Kumar Singh , Assistant Professor, Deptt. of Crop Physiology, Collage of Agriculture, ANDUA&T, Kumarganj, Ayodhya-224 229 ; Vill+Post-Kumbiya, Ayodhya	Sri S.P. Singh	9450045391	aloksingh.agri@gmail.com

ii. RASSA Subscribe Journal Life Member

SJM-LM No.	Name	Organization/ Place
1001	Mr Patel Rumit Jagdishbhai,	Anand Agricultural University, Anand
1002	Er Mukesh Kumar Singh,	ICAR-Indian Agricultural Research Institute, New Delhi 110012
1003	Dr Banarasi Lal,	SKUAST-J Krishi Vigyan Kendra, Reasi, Jammu & Kashmir
1004	Dr Poonam Sharma,	SKUAST-K, Shalimar campus Jammu & Kashmir- 191121
1005	Dr Chanchila Kumari,	ICAR-NRRI Krishi Vigyan Kendra, Koderma, Jharkhand
1006	Dr Amit Singh Charak,	SKUAST-J KVK-Doda, Gwari, Bhaderwah Jammu & Kashmir
1007	Dr Anil Bhat	SKUAST-Jammu, Chatha, Jammu & Kashmir
1008	Dr Shabir Ahmad Lone	International Institute of Veterinary Education & Research, Rohtak, Haryana
1009	Dr Meenakshi Raina	Central University of Jammu, Jammu, Jammu & Kashmir
1010	Dr Neeraj	SKUAST-J. Chatha, Jammu, Jammu & Kashmir
1011	S. Saravanakumar	ICAR KVK MYRADA, Erode district
1012	Dr Devesh Kumar	ICAR-IARI, New Delhi 110012; Prersently RA, FMP Dept, PAU, Ludhiana
1019	Dr Rajan Bhat	Regional Research Station Kapurthala, Punjab
1020	Dr Sunila Mahajan	SKUAST-J, Chatha, Jammu, Jammu & Kashmir
1021	Dr Prakash Chandra Jena	Scientist, AEP Division, ICAR-CIAE, Nabi Bagh, Bhopal 462038
1022	J Vijay	Research Scholar, Department of Floriculture and Landscape Architecture, Dr Y S Parmar University of Horticulture & Forestry, Nauni, Solan, HP
1023	Zeenat Aman	Department of Home Science, Institute of Science, Banaras Hindu University, Varanasi, UP
1024	Dr Mohammad Ashfaque,	Assistant Professor, Department of Biosciences, Integral University, Dasauli, Lucknow, UP

SJM-LM No.	Name	Organization/ Place
1025	Dr N Bommayasamy,	Subject Matter Specialist (Agronomy), ICAR-Krishi Vigyan Kendra, CIARI, Port Blair
1026	Dr Rashmi Upreti,	Assistant Professor (Home Science), BFIT Group of Institutions, Suddhowala, Dehradun, Uttarakhand
1027	Dr Umesh Chandra Sati,	Assistant Professor (Horticulture), Doon (PG) College of Agriculture Science & Technology, Selaqui, Dehradun, Uttarakhand
1028	Dr Harapriya Nayak,	Subject Matter Specialist (Home Science), ICAR- Krishi Vigyan Kendra, CIARI, Port Blair
1029	Dr Pavunraj Manickam,	Assistant Professor, PG & Research Department of Zoology, Vivekanand College (Autonomous), Tiruvedakam West, Madurai, Tamil Nadu
1030	Dr Pravin Kumar Upadhyay,	Scientist, Division of Agronomy, ICAR- Indian Agricultural Research Institute, New Delhi
1031	Miss Riti Chatterjee,	Research Scholar (Senior Research Fellow), Department of Agricultural Extension, Faculty of Agriculture, Bidhan Chandra KrishiViswavidyalaya, Mohanpur, Nadia, West Bengal
1032	Miss Shabnam Kundal,	Research Scholar, Department of Agricultural Extension Education, SKUAST-JAMMU, Chatha, J&K
1033	Dr Vaibhav Srivastav	Researcher, IESD, BHU, Varanasi
1034	Dr Shobhit Kumar Singh	Scientist B, Toklai Tea Research Institute, TRA, Jorhat, Assam

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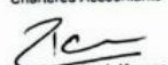
RAASA Income and Expenditure


ROYAL ASSOCIATION FOR SCIENCE-LED SOCIO CULTURAL ADVANCEMENT

Schedules to Financial Statements for the Period as at 31st March 2018

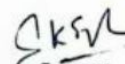
Particulars	For the period ended 31 March 2019 (in INR)
Schedule - 1 Founder Membership Fund	
Opening Balances	397,500
Add - Received during the year	2,500
Closing Balances	400,000
Schedule - 2 Life Membership Fund	
Opening Balances	284,500
Add - Received during the year	97,000
Add - Received during the year for last year (not taken in last year)	15,000
Less - Utilized during the year	-
Closing Balances	396,500
Schedule - 3 Accumulated Surplus/ Deficit	
Opening Balances	(64,677)
Add - Last Year Surplus	34,013
Net Balance	(30,664)
Add - Current Year Surplus	107,919
Closing Balances	77,255
Schedule - 4 SJM Life Members	
Opening Balances	-
Add Current Year	70,000
Closing Balances	70,000
Schedule - 4 Royal Kisan Membership	
Opening Balances	2,600
Add Current Year	1,100
Closing Balances	3,700

For R N B P & Company
Chartered Accountants



per CA Rakesh Kumar
Partner


Secretary General

कंचन लाल / Secretary General


Treasurer

कोषाध्यक्ष / Treasurer


President

अध्यक्ष / President

Membership no. 519145

Place New Delhi
Date 28 August, 2019



राजा विद्या-संस्था / 1100008
राजा विद्या-संस्था-सांस्कृतिक प्रगति संघ (राजीव)
Royal Association for Science-led Socio-cultural Advancement (RAASA)
28/142, West Patel Nagar, Delhi-110008
28/142, West Patel Nagar, Delhi-110008

Un-reconciled expenditure statement of year 2019-20

	Income		Expense	Balance
2019-20	4,20,180.61		3,89,058.00	31,122.61
Account as on 01.04.2020	Cash	FDR	Cumulative Expenditure	Total
2,54,526.92	4,952.01	7,00,000.00	8,91,652.00	18,51,130.93

Annexure 1

Members contributing in making Core Members during the reported period

Membership No.	Name	Members added
FM 6	Dr Kanhaiya Singh	3
FM 8	Dr Janardan Singh	3
FM 14	Dr Shiv Pratap Singh	2
FM 19	Dr Rudra Pratap Singh	7
FM 40	Dr Awani Kumar Singh*	6
FM 43	Dr Lalji Singh	3
FM 46	Dr Vinay Kumar Singh	1
FM 096	Dr Amit Kumar Singh	1
FM 89	Dr Sanjay Prakash Singh	3
FM 112	Dr Rajiv Kumar Singh	3
FM 124	Dr Abha Singh	1
FM 133	Dr Rana Pratap Singh	1
LM 8	Dr N C Shahi	1
LM 53	Dr Rajesh Kumar Singh*	3
LM 30	Dr Anil Kumar Singh	1
LM 80	Sri Abhishake Singh	1
LM 92	Dr Anita Singh	2
LM 102	Dr Neeraj Kumar Singh	3
LM 107	Dr Akarsh Parihar	1
LM 133	Dr Rajeev Pratap Singh	3
LM 138	Dr Rajesh Kumar Singh*	2
LM 175	Dr Anil Kumar Singh	2

*Jointly

Annexure 2

Members' contribution/arranging sponsorer for International Conference

Membership No.	Name
FM 1	Er Awadhesh Kumar Singh
FM 6	Dr Kanhaiya Singh
FM 11	Dr Dinesh Kumar Vatsa
FM 13	Dr B S Deora
FM 14	Dr Shiv Pratap Singh
FM 17	Smt Anupma Shahi
FM 19	Dr Rudra Pratap Singh
FM 24	Dr Raghwendra Singh
FM 32	Dr Suman Singh
FM 33	Dr Pawan Kumar Singh
FM 40	Dr Awani Kumar Singh
FM 42	Dr Jai Prakash
FM 46	Dr Vinay Kumar Singh
FM 51	Dr Alok Kumar Singh
FM 52	Dr Mannvendra Bahadur Singh
FM 61	Dr Ajeet Singh
FM 62	Dr Govind Pratap Singh
FM 73	Dr Sanjeev Kumar Singh
FM 80	Dr Ramendra Singh
FM 86	Sri Ashish
FM 100	Dr Triveni Prasad Singh
FM 112	Dr Rajiv Kumar Singh
FM 127	Dr Mukta Singh
FM 139	Dr Harendra Pratap Singh
FM 152	Sri Sanjay Kumar Singh
LM 22	Dr Arun Kumar Singh
LM 23	Sri Vivek Kumar Singh
LM 28	Dr Rakesh Kumar Singh
LM 30	Dr Anil Kumar Singh
LM 68	Dr Dhiraj Kumar Singh
LM 102	Dr Neeraj Kumar Singh
LM 107	Dr Akarsh Parihar
LM 133	Dr Rajeev Pratap Singh
LM 193	Dr J P Shahi



RASSA : At a Glance

Royal Association for Science-led Socio-cultural Advancement (RASSA)

National Society

Registered under Society Registration Act XXI of 1860
(Regn. No: Society/West/2016/8902125)

Registered Office

28/142, West Patel Nagar, New Delhi-110008

Email: royal.association2016@gmail.com

Website: www.rassaindia.com

Preamble

Innovations of Science do not reach the needy people timely. Science-led interventions carry potential for development of people. Efforts from all responsible organizations and citizens including Government is needed to ensure that the potential of scientific innovations are realized for the benefit of the masses, to improve their income and living conditions.

A group of like-minded Scientists/ Technocrats/ Business persons and other luminaries joined together to create this platform, for helping the needy people to improve the status of society, in the name of 'Royal Association for Science-led Socio-cultural Advancement (RASSA)' to attain noble goals for overall advancement of the people in a sustainable manner, protecting natural resources and eco-systems.

Vision

To create a strong and coherent community sensitive to the social, cultural & educational needs to serve the society especially the resource poor people by adopting science-led approaches.

Mission

To engage like-minded intellectuals in serving the needy people of the society through science-led interventions.

Objectives

- 1) To create a platform of like minded people for overall sustainable advancement of the society.
- 2) To promote educational and economic well-being of community in changing social dynamics by formulating the plans and creating interest for entrepreneurial activities through skill development.
- 3) To mentor and provide economic support to bright young individuals from the unprivileged section of the society.
- 4) To provide opportunity and help to business professionals to setup and run their businesses in emerging fields.

Major Activities

- i. To promote social cohesion among the members for their social causes like religious, cultural activities, marriage, education, job, etc. for enhancing bonding and solidarity
- ii. To device strategic plan for help to needy people in education, job, entrepreneurship etc.
- iii. To explore and nourish social and cultural heritage.
- iv. To empower the farming community through knowledge acquisition and technology dissemination.
- v. To organize health camps for rural masses, creating awareness and facilitating access to rural cleanliness, sanitation and hygiene
- vi. To take action for conservation, development and management of natural resources for sustainable eco- friendly development.
- vii. To provide consultancy and advisory services to the society by the expert professionals.
- viii. To organize conferences, meet, fare, kisan gosthi, etc., to update community on science-led techniques.
- ix. To propagate vision & mission of the society through sharing of information and publishing literature.
- x. To formulate strategy for developing corpus fund to carry out the activities.
- xi. To establish and foster cooperation with other like minded societies in India and abroad working with similar objectives.

For more information and to become member please write to:

Email : royal.association2016@gmail.com

Contact Numbers: +91 9910491556/ 9451500541/ 9999755736/9999130332/ 9999530999/ 9415720507