



# **CHAI AWARDS & FELLOWSHIPS 2017**





# CHAI

## Awards & Fellowships - 2017



**CONFEDERATION OF HORTICULTURE ASSOCIATIONS OF INDIA**

(An ISO 9001:2008 Certified Organisation)

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## From the Desk of the Founder and Chairman



**Confederation of Horticulture Associations of India (CHAI)**, committed to the furtherance of agriculture/horticulture, through networking of organizations and individuals, is moving forward in achieving the goal of technology-led development. Since, its inception in 2010, the Confederation has partnered, supported and synergised successful conduct of national and international conferences and has also been organizing the knowledge sharing workshops and conferences on topical issues. A policy paper and the Bengaluru Declaration on UPH have catalyzed the activities for urban and peri-urban horticulture. Knowledge sharing workshop on tropical fruits, pomegranate, banana, aquaculture and a conference on maize, organized at different locations, have helped in sensitizing the issue of doubling farmers' income through technological interventions. During the year, CHAI supported and partnered in **Global Conference on Challenges and Options in Agriculture** organized by **ASM Foundation**, New Delhi and **Jain Irrigation Systems Limited**, Jalgaon, at Jain Hills, Jalgaon, Maharashtra, which was great success in terms of participation, technical contents & outcome. The conference was inaugurated by Shri S.K. Pattanayak, Secretary, Agriculture, Govt. of India, and was presided over by Padam Bhushan Dr. R.S. Paroda, Former Secretary, DARE & DG (ICAR). The conference was attended by over 400 delegates including farmers, Vice Chancellors, Directors, Dean & Senior level Govt. Officials including Agriculture Commissioner, Govt. of India. The CHAI facilitated the organization of Kisan Sangosthi, on 3<sup>rd</sup> September at Mahmada and Dholi in November.

Besides conference and workshop, the Chairman delivered many key note lectures in India and abroad to promote horticulture and agriculture for livelihood security. The power point presentations of plenary lectures have been circulated to all the fellows. The CHAI is also supporting a **National Conference on Technological Changes and Innovations in Agriculture for Enhancing Farmers' Income** organized by ASM Foundation, New Delhi and **Junagadh Agricultural University (JAU)**, Junagadh, Gujarat, in association with the TAAS, New Delhi and JISL Jalgaon on 28<sup>th</sup> - 31<sup>st</sup> May, 2017, which has theme to analyze the past trend in farmers income and envisage future needs, identify the challenges and tasks for achieving the enhanced income to the farmers. The CHAI is also engaged in preparing for National Conference on Litchi, at Muzaffarpur on 6-7<sup>th</sup> June 2017. The Chairman, as the Chairperson of ASSOCHAM Council on Agriculture and Food Security organised many meetings and conferences and chaired many meetings where CHAI was highlighted for its contributions. To enhance the dissemination

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of scientific knowledge in horticulture, a scientific journal **International Journal of Innovative Horticulture** is published which has been listed by the NAAS. The Confederation has overwhelming responses, as fellowship has exceeded more than 250. I am also happy to inform that we are in the process of signing MOU with Center for Innovations in Public Systems (CIPS), Hyderabad, a Government supported organization to work together for dissemination of technology and effective delivery.

The CHAI has instituted various awards to recognize the distinguished and noticeable services of individuals and organisations. The distinguished personalities, who have provided leadership of par excellence for the development of Indian Agriculture are recognised by conferring **Honoured Fellow of CHAI, Life Time Achievement Award** is given for outstanding contributions in research and development of horticulture. During the year, **CHAI-Life Time Recognition Award** and **CHAI-Appreciation Awards** were instituted to recognize the life time contributions of an individual in specific commodity having achievements of par excellence. The distinguished members are also honoured with **Honorary Fellowship of CHAI**, for their excellence and commitment to the furtherance of horticulture/agriculture. In recognition of the distinguished services of Dr. R.S. Paroda, to Indian agriculture/ horticulture, an award has been instituted in his name *i.e.* **Dr. R.S. Paroda Award** for excellence in science of horticulture. **Dr. B.H. Jain Award** of excellence for dissemination of knowledge. To recognise the farmers for excellence, a **Ramanandan Babu Award** has been instituted. **CHAI-Best Paper Award** to the scientific article published in IJIH is given to selected scientist and **Dr. D. P. Ray Best Dissertation Award** for best thesis is also given to encourage the students. There are fellowships of various categories beside **JISL Fellowship** for training abroad and fellowships of CHAI. I convey my hearty congratulations to all the awardees of 2017, and convey my best wishes for their success in their career.

I am confident that CHAI shall emerge as an organization to make us proud, to be its fellow for the furtherance of agriculture/horticulture. I express my heartiest thanks to all the fellows for their effective cooperation. I thank all, who helped in bringing out this Publication. I am sure for the continued support of all the Fellows. I have pleasure in presenting this book - Awards and Fellowships - 2017, with all the details. Finally, I look forward for making the Confederation global, second to none, in the service to mankind with focus on horticulture.

**H. P. Singh**  
The Founder and Chairman

## About the CHAI

Confederation of Horticulture Associations of India (CHAI), an ISO-9001:2008 certified non-profit organisation, established during 2010, is committed for the furtherance of horticulture/agriculture research, education and development, through bringing organisations and individuals to work together in mission mode. The CHAI with specific objectives of strengthening, coordinating and facilitating the converging policies at the grass root level nationally and internationally for sustain integrated development is emerging as a think-tank as well as a consultative body at the national and international level. The mission and objectives of CHAI and its network include, inter alia, to serve as a platform to provide critical inputs to public policy on major issues concerning innovation in facilitating development of rural economy and promote development of rural India in the global context in all its dimensions by facilitating capacity building at all levels. The CHAI is striving hard to achieve its goal of technology-led development by exploring and providing innovative solutions. CHAI is working on horticulture and agriculture tirelessly with set goals and commitments. It conducts and organizes various national/international/global conferences and workshops for the exchange of information and knowledge to develop the strategies for addressing the emerging concerns with scientific solutions. For the dissemination of knowledge, the CHAI brings out various publications like Books, Journals, Reports and News Letters. **International Journal of Innovative Horticulture**, which publishes scientific articles, short notes, review articles and case studies is brought out six monthly. To promote innovative ideas, the CHAI has instituted many awards which inspires individuals and team for the innovations and excellence. The CHAI offers various categories of subscription i.e organization, associations, corporate, NPO and individual. The CHAI is headed by Dr. H.P. Singh as The Founder and Chairman, who is well known globally for his outstanding contributions to horticulture/agriculture research, education and development. The CHAI has established its units in many states to serve agriculture/horticulture at regional level also.

### Mission

CHAI is committed for the development of agriculture/horticulture by providing solutions to the problems, utilizing the services of talented experts in the field of agriculture/ horticulture, and disseminate the knowledge.

### Vision

The vision of the CHAI is to bring synergy among different societies/associations, experts and entrepreneurs to encourage effective participation of all stakeholders for accelerating the economic growth through technological interventions and human resource development.

### **Goal of CHAI**

The goal of CHAI is to play a catalytic role, in addressing the concerns of food and nutritional security, through interventions of technology-led agriculture / horticulture development.

### **Aims and Objectives of CHAI**

- Furtherance of agriculture / horticulture through improved cooperation by integrating scientific study, education and knowledge exchange of biological, ecological, environmental, sociological and economic issues that affect agriculture / horticulture.
- To catalyze the efforts of development by creating associations for interaction among all agriculture/ horticulture societies/ associations, growers, entrepreneurs, policy planners and activists through consultations, organisation of seminars, conferences, meetings, national dialogue and trainings.
- To establish, promote, run, maintain and support the community for the promotion in advancement of agriculture/horticulture, and to serve as an apex organisation concerned with promotion of agriculture / horticulture, having linkages with various commodity/ input, organisations, institutes and Governmental and Non-Governmental organizations.
- To establish education and training institutions for human resource development and skills up gradation for meeting the needs of empowered human resource.
- To recognize the services of people in horticulture through incentives, awards and encourage the scientists for their participation in national and international events.
- To establish education and research institutions and provide expert guidance to organisations as well as individual to capitalize on the strength and build human resource.
- To take up all the activities, deemed to be fit, in achieving goals and mission of the Confederation for furtherance of horticulture/agriculture for economic developments.

### **Initiatives of CHAI**

The confederation has successfully organised and supported national and international conferences, workshops and national consultations and, services in education, and is providing solutions to the problems. Awards and Fellowships are instituted to recognise the contributions of scientists and other stakeholders in the research and development in the country and also abroad. The Confederation has instituted various awards, which includes Honored Fellowship for leadership of par excellence, Life Time Achievement Award for distinguished life time contributions in horticulture, Honorary Fellowship for noticeable contributions, and commitment to furtherance of horticulture, Dr. R. S. Paroda Award for Excellence in research and academics. Dr. B.H. Jain Award for excellence in transfer and diffusion of technology and Ram Nandan Babu Award for excellence in farming. CHAI Fellowship is conferred to members for their commitment in furtherance of agriculture / horticulture. JISL fellowship is provided for training abroad to meritorious members. Considering the needs for dissemination of science based knowledge among scientists for the furtherance of agriculture/ horticulture science, an International Journal of Innovative Horticulture (IJIH) is also published besides newsletter and books, which has over whelming response. To encourage the students, the CHAI has instituted Dr. D.P. Ray Best Dissertation Award for the students who have completed masters and Best Paper Award for scientific article published in IJIH, are also awarded.

### **Strength of CHAI**

- The CHAI has wide spectrum of experts, who are enrolled as fellow to support the technology-led development and provide strategic expert advice.



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- The Chairman, having held the position of DDG, ICAR; Vice-Chancellor, RAU, Pusa; Horticulture Commissioner, Govt. of India and many other positions, known nationally and internationally in the field of research, education and development has expertise in horticulture, water management, nutrient management, quality seed and planting material production and above all coordination, planning and execution of project and education.
- More than 230 fellows of CHAI have expertise in various aspects of agriculture/ horticulture.
- Besides, the fellows, more than 100 experts in different fields from India and abroad are enrolled with CHAI.
- CHAI has offices in Delhi, Patna, and Bangalore and also in Dubai to attend to all the types of work for business solution options.
- The CHAI is also a non-profit company, and has established network with institutions, academy, corporate, business house, NGOs and also International organizations.
- The network of CHAI, expertise of skilled fellow and standing experts makes the confederation to offer knowledge and its management strategies for modernising agriculture/horticulture and serve the nation.

## ACTIVITIES OF CHAI

### National and International Conferences Supported as Synergy and Knowledge Partner

In the preceding years, the Confederation has catalyzed the development of horticulture through partnering in activities of conference organized by various organizations on emerging issues, which has helped in developing strategies for research and development. The conferences supported in past are **National Conference on Production of Quality Seeds and Planting Material - Health Management in Horticultural Crops**, 11-14<sup>th</sup>, March, 2010 New Delhi; **National Conference on Horticultural Biodiversity for Livelihood, Economic Development and Health Care**, 28-31<sup>st</sup>, May, 2010, Bengaluru; **International Conference on Coconut Biodiversity for Prosperity**, 25-28<sup>th</sup>, October, 2010, Kasargod, Kerala; **Global Conference on Meeting the Challenges in Banana and Plantain for Emerging Biotic and Abiotic Stresses**, 10-13<sup>th</sup>, December, 2010, Trichy, Tamil Nadu; **National Symposium on Molecular Approaches for Management of Fungal Diseases of Crop Plants** 15-20<sup>th</sup>, December, 2010, Bengaluru; **National Conference on Horti Business-Linking Farmers with Market**, 28-31<sup>st</sup> May, 2011, Dehradun, Uttarakhand; **Global Conference on Augmenting Production and Utilization of Mango: Biotic and Abiotic Stresses**, 21-24<sup>th</sup>, June, 2011 Lucknow; **Global Conference on Horticulture for Food, Nutrition and Livelihood options**, 28-31<sup>st</sup>, May, 2012, Bhubaneswar; **National Conference on Sub-Tropical Fruits**, 9-12<sup>th</sup>, January, 2013, Navsari, Gujarat; **Brain Storming Session on Nano-Bio-Information Technology for the Development of North Western Himalayan States**, 12-13<sup>th</sup>, July, 2013, Pantnagar, Uttarakhand; **National Workshop on Urban and Peri-Urban Horticulture**, 21<sup>st</sup> December, 2013, Navsari, Gujarat; **National Conference on Value Chain Management in Mango**, 20-22<sup>nd</sup>, March, 2014 Kolar, Karnataka; **Global Conference on Technological Challenges and Human-Resource for Climate Smart Horticulture- Issues and Strategies**, 20-31<sup>st</sup>, May, 2014, GAU, Navsari, Gujarat; **National Conference on Dynamics of Urban and Peri-Urban Horticulture**, 21<sup>st</sup> October, PHD house, New Delhi; **National Conference on Dynamics of Smart Horticulture for Livelihood and Rural Development**, organised by ASM Foundation, New Delhi and MGCGV, Chitrakoot, Satna, Madhya Pradesh, from 28-31<sup>st</sup> May, 2015. CHAI was a Knowledge Partner in Smart Agriculture- Geo Agri with the theme Technologies empowering Indian Agriculture organised at NOIDA on 2<sup>nd</sup> -3<sup>rd</sup> March 2016. The Confederation supported the conference organized on Pomegranate, at JISL, Jalgaon during April, 2016. CHAI partnered a Global

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Conference on **Challenges and Options in Agriculture** organized by **ASM Foundation**, New Delhi and **Jain Irrigation Systems Limited**, Jalgaon, at Jain Hills, Jalgaon, Maharashtra, on 28-31<sup>st</sup> May, 2016, which was great success in terms of participation, technical contents & outcome. The conference was inaugurated by Shri S.K. Pattanayak, Secretary, Agriculture, Govt. of India, and was presided over by Padam Bhushan Dr. R.S. Paroda, Former Secretary, DARE & DG (ICAR). The conference was attended by over 400 delegates including farmers. Many Vice Chancellors, Directors, Dean & Senior level Govt. Officials including Agriculture Commissioner, Govt. of India participated in the conference. The CHAI supported the organization of two days conference on pomegranate organized, at Jain Hills Jalgaon, on 16-17, April, 2016, which was inaugurated by Honduras former Union Minister of Agriculture, Sharad Pawar ji. In the conference issues of farmers were resolved and strategies for improving production and productivity was developed. The CHAI also facilitated the organization of Kisan Sangosthi, on 3<sup>rd</sup> September at Mahmada and 1st November at Dholi, Muzaffarpur.

### **Conferences/Workshops Organized**

The CHAI has been organizing workshop on the topical issues. First workshop organized by The CHAI was on **Urban and Peri-Urban Horticulture in Bangaluru**, on 2<sup>nd</sup> March, 2013 with the theme – Greening the cities, utilizing the waste, meeting the needs and servicing the environment. The workshop deliberated issues in four technical sessions and concluded with adaptation of recommendations and Bangalore Declaration for catalyzing the Urban and Peri-Urban Horticulture. In the year 2014 on 1-2<sup>nd</sup> March, CHAI organized a knowledge sharing workshop on Tropical Fruits with a Value Chain Management for Enhancing Farm Profitability. The workshop was attended by 200 participants, largely, the farmers, who were infused with new knowledge, especially on banana, mango and pomegranate. The workshop became a unique approach for addressing the issues in tropical fruits. During the year, 2014-15, CHAI organized 02 International Conferences and 01 National conference, supported 01 global and many national conference and workshops. An International Conference on Floriculture and Landscape Gardening –Challenges and Opportunities was organised at Pune on 27<sup>th</sup> February, 2016 in collaboration with Media Today. The CHAI organised a National Workshop on Quality Production of Banana for Export and Domestic Market on 29<sup>th</sup> May 2016 at Jain Hills Jalgaon, which brought farmers, professionals and entrepreneurs together to discuss quality assurance in banana, to be competitive in export and domestic market. A workshop on **Dynamics of Challenges and Options in Integrated Aquaculture**, was organized on 2<sup>nd</sup> November, 2016 at Patna, which provided an options to discuss aquaculture for improving the income of the farmers through integration with horticulture, and was participated by over 100 farmers and entrepreneurs besides senior level experts, and representatives of various organizations. The workshop also analysed past trend in technological changes in fish production and value chain management to develop a policy guidelines.

One day National Workshop on **Technological Changes and Innovations in Pomegranate Production and Utilization for Enhancing Farmers' Income** was organized by the **CHAI**, on 26<sup>th</sup> September, 2016, at JAU, Junagadh, Gujarat, in collaboration with Junagadh Agricultural University (JAU) and Jain Irrigation Systems Limited, Jalgaon and ASM Foundation, New Delhi. Focus of the workshop was to discuss the technological changes, which have modernized the production and value chain management in pomegranate, and empower the farmers with new knowledge, so that they can enhance their profits and reduce the risks. The workshop deliberated the issues in the thematic areas across 3 technical sessions, besides, introductory session. Each session had panel of experts representing scientist, farmers, policy planers, industry and field functionaries. Subject in each session was introduced by identified experts, and discussion was moderated to arrive at logical conclusion. The workshop was participated by more than 300 delegates, representing farmers besides scientists, and students. Farmers were immensely benefitted from new knowledge. With the similar objective and theme one day workshop was also organized at Agriculture University, Jodhpur, Rajasthan, India on 10<sup>th</sup> December, 2016, for the benefit of

Rajasthan farmers, which provided an options to discuss pomegranate for improving the income of the farmers through technological interventions. More than 200 farmers and entrepreneurs besides senior level experts, and representatives of various organizations participated and provided their inputs for developing strategic recombination and policy.

In the month of March, the CHAI organized a two days National Conference on **Perspective of Challenges and Options in Maize Production and Utilization**, in collaboration with DRPCAUI, Pusa TAAS, New Delhi, JISL, Jalgaon and the ASM Foundation, Mahmada, Pusa, from 3-4<sup>th</sup> March 2017 at DRPCAUI, Pusa, Samastipur, Bihar. The conference analyzed the current situation and developed strategies for doubling production and income of farmers in 6-7 years time frame, after discussion with over 300 delegates representing farmers, expert professionals, entrepreneurs and representatives of Industries.

### **Meetings of Board of Director and General Council Meeting**

To review the technical and financial progress the Board of Directors meets as per the needs, at least of 4 times in a year was held. General Council meets once in a year on 28<sup>th</sup> or 29<sup>th</sup> May. First Executive Council and General Council meetings were held on 29<sup>th</sup> and 30<sup>th</sup> May, respectively, and distinguished fellows were honoured with CHAI Fellowship for their commitment in furtherance of horticulture, and various awards were conferred. Second Executive Council and General Council meeting were held on 29<sup>th</sup> May, 2013 at Jalgaon, wherein various issues were discussed. Besides, report of secretary and treasures, the distinguished members were conferred with the fellowship of CHAI. All the members present appreciated the efforts of the Chairman and ensured for the support in achieving the objectives of the CHAI. In the meeting, Dr. A.R. Pathak was invitee and the meeting was attended by over 60 members. The Council authorized the Chairman to take all the action, as he deems it fit, in the best interest of CHAI. Third Annual General Council Meeting was held at Navsari on 29<sup>th</sup> May 2014, where in fellowship was conferred to all the members who joined CHAI in 2013-14, and progress was reviewed. Activities were well appreciated. 4<sup>th</sup> Annual General Council Meeting was held at MGCGV, Chitrakoot, Satna, Madhya Pradesh on 29<sup>th</sup> May 2015, where in fellowship was conferred to all the members who joined CHAI in 2014-15, and progress was reviewed. Activities were well appreciated. The meeting also nominated Dr. R.K. Tyagi, Head, Genetic Conservation Division, NBPGR as General Secretary to assist the Chairman. 5<sup>th</sup> AGCM of CHAI was held at JISL, Jalgaon where in Dr. R.S. Paroda, Chief Patron chaired the meeting. The Chairman welcomed the chief patron and gave a brief account of progress report and financial update. The progress and corpus fund of CHAI was well appreciated. The Chief patron and fellows complimented the Chairman, Dr. H.P. Singh for such an achievement. A book on CHAI Awards and Fellowships and CHAI Brochure were released. Thereafter, the fellows who were upgraded to higher positions were felicitated by conferring shawl and certificate of appreciation. Thereafter, Honorary Fellowship of CHAI and CHAI - Fellows were conferred to selected nominee. The Chief Patron congratulated all the awardees and committed all the fellow and the Chairman for achieving such a growth of CHAI.

### **Participation in Exhibitions**

The Confederation of Horticulture Associations of India continue to participate in Horti Expo, which exhibits the activities of CHAI to draw the attention in furtherance of horticulture.

### **Institution of Awards and Fellowships**

To recognise the contribution of scientists and other stakeholders in the research and development of horticulture/agriculture in the country and also abroad, the Confederation has instituted various awards to recognise the distinguished and noticeable services of individuals and organisations. The distinguished

personalities, who have provided leadership of par excellence for the development of Indian Agriculture are recognised by conferring Honoured Fellow of CHAI. Life Time Achievement Award is given for outstanding contributions, in research and development of horticulture. The distinguished members are also honoured with Honorary Fellowship, for their excellence and commitment to furtherance of horticulture. Dr. R.S. Paroda Award is given for excellence in science and technology, Dr. B H Jain Award recognises an excellence in knowledge creation and dissemination, Ram Nandan Babu Award is given to innovative formers for their excellence in farming, JISL Fellowship is for visit abroad, Dr. D. P. Ray Dissertation Awards is given for best thesis at Master's level and CHAI-Best Paper Award is given for best scientific article published in IJIH. The distinguished members with the commitment to the furtherance of horticulture are conferred with Fellowship of CHAI.

## **PUBLICATIONS**

### **International Journal of Innovative Horticulture**

Considering the needs for dissemination of science based knowledge among scientists for the furtherance of horticulture science on request of members from across the country and abroad, it was felt essential to bring out a journal. Accordingly, an International Journal of Innovative Horticulture (IJIH) was started. Peer reviewers are of national and international repute. The first issue of the journal was launched by His Excellency, Governor of Karnataka at Bangalore. The Journal published by CHAI, has an international look and shall consider original papers on multi-disciplinary aspects. The journal is published bi-annually. The types of papers include Research, Reviews, Case studies, New cultivars and new technologies, Commentaries and opinions, Policy issues, Abstract of Ph.D. thesis, Book Reviews, Features, Colloquia and Workshops. The 4 volumes have been published and the NAAS also enlisted the Journal with the rating of 2.87. Fifth volume (2016) of the Journal has been published and Volume 6(1), 2017 is in process of publication.

### **Membership Benefits of CHAI**

The CHAI team consists of different categories of membership i.e. Institutional, Corporate, Association, Non-profitting Organization (NPO) and Individual Members. Membership of the Confederation is open to individuals/ firms, organizations and societies/associations subscribing to the objectives of the CHAI by donation ranging from Rs. 25,000 to Rs 100,000. The CHAI being a professional academic association envisions promotion of horticulture/agriculture in the country.

- Associations, corporate, entrepreneurs and individuals who are committed for the furtherance of horticulture shall request for the membership. Right to admission rests with Board of Directors and the Founder and Chairman.
- Nominations shall be accepted for consideration, which are endorsed by two members of CHAI or Institutional Head certifying their candidature.
- Member admitted to the CHAI shall be given a certificate of membership, with a plaque of honour in the Annual Council Meeting as Fellowship of CHAI.
- Every member can attend the Council's meeting, whenever called, on his own cost or at the cost of CHAI, depending upon the terms and conditions, as approved by the Founder and Chairman.
- All the members/fellows are entitled to receive the International Journal of Innovative Horticulture for 15 years, free of cost.
- All members/fellows shall be eligible to request for award including Dr. R.S. Paroda, Dr. B.H. Jain Award, Ram Nandan Babu Award and any other awards instituted by CHAI.

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- Members/Fellows shall be eligible to seek the financial assistance, if his or her paper is accepted in International Conference/ Symposia, which shall be considered on merit by the committee/ The Founder and Chairman. Only one or two fellowships for visit abroad will be available in a year.

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# Awards and Fellowships - 2017

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## 1. Honoured Fellow of CHAI

The distinguished personalities, who have provided leadership of par excellence for the development of Indian Agriculture are recognised by conferring **Honoured Fellow of CHAI**. The awardees should have contribution to the furtherance of horticulture/ agriculture and must have peer recognition at nationally and internationally, in improving the infrastructure, policy and programs of research and development impacting Indian Agriculture.

### 1.1 Dr. R.B. Singh, Chancellor, Central Agricultural University, Imphal (CF-254)



**Dr. R.B. Singh**, currently, Chancellor, Central Agricultural University, Imphal was born on 20<sup>th</sup> July, 1950. He graduated in Agriculture from C.S. Azad University of Agriculture and Technology, Kanpur, and earned his masters (M.Sc. and Ph.D.) from North Carolina State University, Raleigh, USA in 1960 and 1964. He possesses a career of leadership in improving agrarian livelihood, food, nutrition and ecological security, climate smart agriculture and related disaster management, in cutting-edge research and technology development, in higher education and human resources development and in policy and programme formulation, execution and appraisal; each pursued in national, continental and global capacities. Prof. Singh had made important original contributions in the fields of Genetics, Plant Breeding and Biotechnology, guided doctoral research of over 40 Ph.Ds. and authored over 300 research and policy papers and 12 books. During the past 52 years, Prof. Singh had held several other coveted positions both at national and international levels. He is the Past President of the National Academy of Agricultural Sciences, and was Member of the ISP of CCAFS of the CGIAR. He was Member of the National Commission on Farmers, constituted by the Government of India, 2004-2006. He was Assistant Director General of FAO of the United Nations and Regional Representative for Asia and the Pacific from 2000 to 2002 and held other senior FAO positions for 15 years from 1979 to 1994 at Bangkok and Rome. In India, he was Chairman of the Agricultural Scientists Recruitment Board (ASRB, 1999-2000), Director and Vice Chancellor of the prestigious Indian Agricultural Research Institute (IARI), New Delhi (1995-99) and Dean, Head of Department, Sr. Professor, Chair/Member Executive Council at leading Universities (1964-1979). While with the FAO, Prof. Singh had assisted several developing countries in enhancing their human resources, research and technology development capacities, in augmenting productivity, sustainability and profitability of major farming systems, and in strengthening policies, strategies and enabling mechanisms through launching highly acclaimed national/international

programmes. Prof. Singh has been President/Chair of several professional societies, national committees and main architect and organiser of several international networks and events, such as the Asia-Pacific Association of Agricultural Research Institutions, Southeast Asian Plant Genetic Resources Programme, Regional and Global Fora for Farmers, International Crop Science Congress, International Food Legumes Research Conference, FAO Regional Conferences for Asia and the Pacific and India-South Asia, India-Africa and India-Latin America and the Caribbean Conferences on Food Security. At the national level, as Member of the National Commission on Farmers, he shared the responsibility to suggest the Government appropriate policy, strategy and programme interventions to enhance farmers' income and to alleviate hunger and poverty. As research and development leader, Professor Singh had developed widely adopted modern varieties of wheat, rice, pulses, oilseeds and cotton, which had contributed and continue to contribute immensely to food, economic and livelihood securities. As Director/VC IARI, he steered it towards its continued leadership in the New Millennium, forged public-private partnership, and prepared the roadmap for an evergreen revolution. As Chair ASRB, Prof. Singh had steered a dynamic HRD outlook, and as Chair Fifth Deans' Committee, he drove academic transformative changes to harness India's demographic dividend towards New Normal and Green Economy. Prof. Singh continues to provide science-led policy options and science-society interface geared to achieve the sustainable development goals (SDGs).

In recognition of his immense contribution to new knowledge, human resource capital and the science-led transformation of agriculture towards the alleviation of hunger and poverty in India and the Asia Pacific Region, Prof. Ram Badan Singh has been awarded the **Padma Bhushan** by the Hon'ble President of India – one of India's highest civilian honours that recognizes distinguished service of a high order to the Nation in any field, in 2003. Along with the **Padma Bhushan**, his other recognitions include: Doctor of Science (*honoris causa*) from several Universities, Gold Medal from the International Board for Plant Genetic Resources, Lal Bahadur Shastri Memorial International Scientist Award, Vigyan Gaurav Samman, Dr. Zhu Shoumin International College of Nutrition Award, Mahindra and Mahindra Lifetime Achievement Award – Krishi Shiromani Samman, Distinguished Alumnus Award, B.H.U., Varanasi, and Distinguished Alumnus Award, North Carolina State University, Raleigh, USA. He is Fellow of the National Academy of Sciences and of the National Academy of Agricultural Sciences.

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## 1.2 Dr. Trilochan Mohapatra, Secretary DARE and DG, ICAR (CF- 255)



**Dr Trilochan Mohapatra**, Secretary DARE and DG, ICAR, born in Kharibil, Cuttack on 20<sup>th</sup> April, 1962, had his schooling at Laxmi Narayan High School, Eranch, 1972-78 and Intermediate from Ravenshaw College, Cuttack, 1978-80. He graduated in Agriculture from Orissa University of Agriculture and Technology, Bhubneshwar, 1980-85. He earned his masters, M.Sc.1987; Ph.D. 1992 from IARI, New Delhi. Starting his career as a scientist at IARI in 1992, senior scientist in 1999, and principal scientist, in 2005, at National Research Centre on Plant Biotechnology, Pusa Campus, New Delhi; He was elevated to the position of Director, Central Rice Research Institute, Cuttack, Odisha in 2012 and the Director and Vice Chancellor, ICAR-IARI, New Delhi in 2015, and on

22<sup>nd</sup> February, 2016, he assumed the charge of Secretary to Govt. of India, Department of Agricultural Research Education (DARE) and Director General, Indian Council of Agricultural Research (ICAR), New



Delhi and continues to provide a leadership to agriculture research, education and development. As an internationally known scientist of par excellence, Dr. Mohapatra made exceptionally significant contributions in the field of plant breeding, genetics, molecular genetics and biotechnology. He meticulously carried out the genome sequencing of chromosome 11 of rice, chromosome 5 of tomato, as a part of international chromosome consortia. He developed the first bacterial blight resistant high yielding Basmati rice variety. He also developed a variety in Basmati rice with multiple resistance to biotic and abiotic stress. His research has got him significant recognitions with number of awards. He is recipient of INSA Young Scientist Award, 1994; Professor, L. S. S. Kumar Memorial Award, 1994; NAAS-TATA Young Scientist Award, 2001; IARI B.P. Pal Memorial Award, 2002; DBT National Bioscience Award, 2003-04; NASI- Reliance Industries Platinum Jubilee Award 2007; Indian Science Congress Platinum Jubilee Lecture 2014; Indian Genetics Congress Lifetime Achievement Award 2014 and Recognition Award, 2013-14. He is NAAS Fellow 2006, Associate Editor, BMC Genetics, 2011 to date; Associate Editor, Journal of Genetics, 2012-14; NAAS: Member Executive Council 1 Jan. 2016. An effective teacher of par excellence, Dr. Mohapatra has significantly contributed to human capital formation.

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## 2. Life Time Achievement Award

The **Life Time Achievement Award** recognizes an outstanding contribution, scientific excellence and the distinguished services of the awardee for the cause of horticulture/agriculture research, education and technology dissemination, which has impacted horticulture/agriculture development.

### 2.1 Dr. K. V. Peter, Former VC, KAU, Trichur (CF 242)



**Dr. K V Peter**, born in Kumbalangi, Cochin on 17 May, 1948, had his schooling at St. Peters High School, Kumbalangi, 1961-1964. After graduating from Agriculture College and Research Institute, Vellayani, Trivandrum in 1961-64, Dr. Peter earned his Masters (M.Sc. & Ph.D.) from G.B. Pant University of Agriculture and Technology, Pant Nagar, in 1975. He also served there till 1978 and developed varieties of chillies which are popular till today. In the career spanning 47 years, Dr. Peter has outstandingly contributed to horticulture research and development, in various capacities, namely, Professor (1979-2008), Kerala Agriculture University (KAU), Trichur, Director Research, KAU Trichur (1999-2001), Vice Chancellor, KAU, Trichur (2001-2006) and the Director,

Indian Institute of Spices Research (IISR), Calicut, 1991-1999. He is currently working as a Director, World Noni Research Foundation, Chennai and the Chairman Noni Biotech, Chennai.

Dr. Peter is a teacher of par excellence acknowledged across the country. He has outstandingly contributed to research and development of horticulture especially, horticulture literature by publishing large numbers of books, which have enriched the sector. Besides, enrichment of the knowledge documentation in Horticulture like literature through publishing books he has been associated with development of large number of varieties in vegetables and technologies in spices. He has authored many books and series of volumes, which have been published by National Book Trust, New Delhi, Wood Head Publishing Company UK (Elsevier), publication division of ICAR, New Delhi. Daya Publishing Company (Astral International Pvt. Ltd.), Studium Press, LLC and many more. He credited to have authored

35 books, 35 bulletins and over 300 research papers in peer reviewed journals and popular articles. His contribution has earned him peer recognitions and many awards namely Rafi Ahmad Kidwai Award; Dr. M.H. Marigowda National Award; HSI-Shivasakthi Award for Life Time Contributions to vegetable research; Recognition award and Dr. K. Ramiah Memorial Award of National Academy of Agricultural Sciences, New Delhi; PNASF Gold Medal, KRLCC Award-2015 for contributions to Education and Science; Sugnada Bharati Award-2015 by Indian Society of Spices Calicut and Gold medal from Indian Society of Vegetable Science, Varanasi. He is Fellow of NAAS New Delhi, NASI Allahabad, NABS Chennai, ISNS Chennai and HSI New Delhi. He has been Chairman of many committee to provide guidance for horticulture development and a member of Executive Committee of NAAS. He is widely travelled in India and abroad and now is concentrating his focus on literature enrichment in horticulture and guidance for research and development.

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### 3. Honorary Fellow of CHAI

Honorary Fellow of CHAI recognises the individual for their academic excellence, outstanding contributions to research and development and leadership of par excellence, which has impacted the quality of life in India or abroad.

#### 3.1. Dr. Jai Singh Parihar, Distinguished Professor in ISRO (CF-239)



**Dr. Jai Singh Parihar** born, in a farmer's family on August 12, 1952 in Teonthar village of Rewa district, Madhya Pradesh received schooling in govt. school in the village. He earned his B.Sc. (Agriculture) and M.Sc. Agriculture (Agronomy) from Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur in 1972 and 1974, respectively, and obtained his Ph.D. in 2007 from Awadhesh Pratap Singh University, Rewa. Starting his career, at Space Applications Centre in October 1974, as Scientific Assistant-C (ISRO), he rose in cadre and reached up to outstanding scientist (HAG grade). During the period he served in several important positions like Mission Director, Earth Observations

Applications Mission, Dy. Director- Earth, Ocean, Atmosphere, Planetary Sciences & Applications Area, and Project Director- Forecasting Agricultural output using Space, Agrometeorology and Land based observations (FASAL) project. Post retirement he was a Distinguished Professor in ISRO.

Dr. Jai Singh Parihar has made outstanding contribution in development of Geomatics (satellite remote sensing, GPS, GIS and ICT) applications in the country for natural resources, environment and disasters, in general, and applications in agriculture, in particular. He guided multi-agency team in planning and implementation of National Technology Mission on Integrated Development and Management of Horticulture and National Jai Vigyan Mission in the country, and demonstrated that Geomatics can be used for site suitability analysis of horticultural crops. He also developed applications in area estimation of potato and onion with satellite data. Dr. Jai Singh Parihar is credited for the development and implementation of world famous project: "Forecasting Agricultural output using Space, Agrometeorology and Land based observations-FASAL". Dr. Parihar, leading a small team from Indian Space Research Organisation, developed a country level team by successfully involving State Agriculture

Universities, State Remote Sensing Application Centres, ICAR institutions, India Meteorological Department, State Agriculture Departments and many institutions associated with agriculture. He is also credited for the development of Global Agriculture Monitoring Programme (GEOGLAM) project for Group on Earth Observations (An Inter-governmental organisation) based in Geneva as its Task Executive Director. Dr. Parihar, was instrumental in planning and development of Geomatics applications for water management in agriculture, environmental aspects of agriculture, energy and mass exchange in vegetative systems, Methane emission from rice fields, impact of global change, wildlife habitat etc. During his four decade long illustrious carrier in ISRO, Dr. Parihar has demonstrated extraordinary scientific leadership qualities in planning and executing scientific programmes. He has in-depth understanding of Indian as well as global agriculture, acquired through his numerous travels across Asia, Africa, Australia, Europe, North & South America. Dr. Parihar with more than 100 scientific publications to his credit is a recipient of prestigious Awards like: Rafi Ahmed Kidwai Award-ICAR, Performance Excellence Award-ISRO, Bhaskara award- Indian Society of Remote Sensing, and, Space Science & Applications award of Astronautical Society of India & ISRO.

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### 3.2 Dr. Narsingh Narain Singh, Former VC, BAU Ranchi (CF-240)



**Dr. Narsingh Narain Singh**, born on August 20, 1943 in the Gorakhpur district of Uttar Pradesh. He joined the All India Coordinated Research Project (AICRP) on Maize in 1964. Over a period of 22 years of devoted work he rose to the position of Project Coordinator of AICRP on Maize. Under his leadership the project was upgraded to Directorate of Maize Research (DMR). As the leader of the national maize programme, he promoted national and international linkages including public-private partnership to strengthen the Indian maize improvement programme. His initiatives led to release of number of maize hybrids including single cross hybrid and composites of both normal and quality protein maize (QPM) background for different growing conditions and seasons. He successfully led Indian maize programme for 19 years. At international level, Dr. Singh has the distinction to review CIMMYT (Mexico) Maize Programme and as member of CIMMYT team, he initiated Maize On-farm Programme in three Latin American countries. He served as Jt. Director (Research) at IARI, New Delhi for one year eight month, in addition to above responsibilities. From 2005-11, Dr. Singh served the Birsa Agricultural University (BAU), Jharkhand as Vice Chancellor. He was instrumental in establishment of two new colleges on agriculture and horticulture in Jharkhand, initiation of diploma courses in Agri-business Management, establishment of 14 new Krishi Vigyan Kendras (KVK) under the university remote corners of the state of Jharkhand to further spread of technology and establishment of an 1100 ha seed production farm among other transformational changes. To promote entrepreneurship development, he established Business Planning and Development (BPD) unit in the university. During his tenure as Vice Chancellor the university was graded A by the Indian Council of Agricultural Research (ICAR) and A\* by the Indian Council of Forestry Research and Education (ICFRE). Besides holding administrative responsibilities Dr. Singh has served various organization and societies as Vice-President and Secretary, and Chairman, Quinquennial Review Team (QRT) and Research Advisory Committee (RAC) of various ICAR research institutes. He was member of various Boards and Governing Body of ICAR. Dr. Singh has guided 13 Ph.D. and four M.Sc. students and published over hundred research papers both in national and international journals, book chapters, review and popular articles, books etc. He is Fellow of National Academy of Agricultural Sciences (NAAS), New Delhi and Fellow of Indian Society of Genetics

and Plant Breeding (ISGPB), New Delhi. Dr. Singh has also been awarded by the Seeds' Men Association of Andhra Pradesh and Seed Association of India. He is also a recipient of Life Time Achievement Award. Presently Dr. Singh is the Secretary of the Trust for Advancement of Agricultural Sciences (TAAS), New Delhi dedicated to link science with society.

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### 3.3 Dr. K.V. Peter, Former VC, KAU, Director, World Noni Research Foundation (CF 242)



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### 3.4 Dr. Narendra Singh Rathore, DDG, Education, ICAR (CF-243)



**Dr. Narendra Singh Rathore**, born in Udaipur district on July 1, 1960, had his schooling in Pali and Udaipur, Rajasthan. He obtained his B.E. and M.Tech from Indian Institute of Technology in 1987 with specialization in Renewable Energy. He had advance training in Food and Agriculture Business Management (Cornell University USA), Agro Forestry (University of Arizona), Bio Energy (University of Oxford), Waste Recycling (University of Murdoch, Western Australia). In a career spanning 36 years, Dr. Rathore served in various capacities, namely, Founder Vice Chancellor SKNAU, Jobner, DDG (Engg) ICAR, Dean College of Dairy and Food science Technology (7 years), Dean (Student Welfare) (6 years), Dean College of Technology and Engineering (3 years), HOD in CTAE (6 years), PI AICRP on RES (7 years), Project Coordinator TBU-IC and RBTC (9 years) and is currently, DDG, Education, ICAR, New Delhi. Dr. Rathore credited to have organised 8 International Training, 35 National training, 26 State training and 12 ISTE Summer & Winter School and 36 exposure meet and has provided 51 R&D projects & 3 International projects i.e. PISCES, CDM & FT and Commercialized six technologies through NRDC. He has guided 30 M.Tech, 15 Ph.D. & 13 M.Sc. Presently, 2 M.Tech. & 3 Ph.D. are working. He was Chief Coordinator, MST project on Techno Entrepreneurship Program, TIFAC project Technology Commercialization Facilitation Agency and Technology Refinement and Marketing Programme and Member IV Dean Committee for revision of UG and PG course. Started new courses i.e. B.Tech. (Bio Tech) & M. Tech. and Ph.D. in Post-Harvest Engineering and M.B.A. (Technology).M.Sc. (Agri-ICT) etc. designed National Vocational Education Qualification Framework in Agriculture. Attended 17 visits for approval and accreditation of institutions. For his outstanding contribution, Dr. Rathore has received 21 Awards i.e. Young Scientist, Outstanding book, Outstanding Services, ISAE Commendation and Team, Hindi Research Paper, World Bank IDM-2007, Best Teacher, Energy Conservation, National Technology Day, Global Dairy Innovation, IE Fellow, Dr.K.K. Iya Memorial Oration and SEE Award. He is widely travelled i.e. 3 times USA, Australia, Kenya, UK, Singapore, Kuwait, Tanzania, Thailand, Taiwan, Qatar & Namibia and signed MOU for student & staff exchange and initiated R&D activities. He has published 33 Books, 34 research papers in referred National Journals, 12 in International Journals, 98 in National and International proceedings, 29 proceedings, 14 Review reports and 46 Booklets & Laboratory manual etc. Delivered 32 key note lectures in national and international conferences.

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### 3.5 Dr. V. V. Sadamate, Former Advisor, Planning Commission (CF-245)



**Dr. V. V. SADAMATE**, Former Adviser Agriculture, Planning Commission, born 1<sup>st</sup> June, 1953 in village Deshing, Sangli district, Maharashtra had his schooling village Deshing. He graduated from Pune Agriculture College (1973) and Masters/Ph.D. programmes in Agricultural Extension from Indian Agricultural Research Institute (IARI), New Delhi in 1975 & 1979, respectively. He pursued Post - Doc from Michigan State University, USA as a Fulbright Senior Research Scholar. Obtained higher Extension Management training at Wisconsin, Cornell Universities and Royal Institute of Public Administration (RIPA) London, UK. Starting his career in ICAR as Junior Scientist, (1978-1982), he joined the Ministry of Agriculture in 1982 and continued there in various capacities including Director and Additional Commissioner (Extension) before joining Planning Commission as Adviser Agriculture (2006-2013). He is credited for handling the formulation and implementation of XI & XII<sup>th</sup> Plan for Agriculture and Allied Sectors. After superannuation from Ministry of Agriculture in May, 2013, he worked as Principal Consultant with Food & Agricultural Organization (FAO), New Delhi and developed their Country Programme Framework Document (2013). He was also associated with the Ministry of Rural Development on their World Bank assisted Watershed project Neeranchal as Agricultural Convergence Expert (2013-15). Committed to Agricultural Extension Dr. Sadamate, in last four decades, had contributed significantly in developing and operating extension reforms (both Agricultural Technology Management Agency (ATMA)/ Krishi Vigyan Kendra (KVK) approaches). He has published over 50 research papers in national and international journals & guided MSc/ Ph.D. Scholars of various institutes, and also management student's conclaves at IIMs. He is an active professional on major extension networks in India and abroad, and is associated with number of Government and Non Governmental Organisation in advisory capacity including, National Council for Climate Change. His contribution through series of workshops /seminars is known for professionalism. Dr. Sadamate served various high powered professional committees of national institutes like GB ICAR, QRT Chair, KVK Awards Committee, MANAGE Cadre Review, TIFAC Vision Document, BODs of NABCONS & AFC, Technical Committees of SAUs/ICAR, and of international organizations like IWMI, CCAFS, ICRISAT, World Bank etc. Attended COP-19 at Warsaw, Poland and COP-21 at Paris, France and COP-22 at Marrakech, Morocco and was actively involved in follow up actions. He was a member of the Core Group that trained IAS and IFS officers on District Irrigation Plan (DIP), PMKSY in 2015-16. He is working as Independent Consultant on Agricultural Extension Reforms, Policy Advocacy, Agricultural HRD etc. and serving as Adjunct Faculty at Extension Division of IARI, New Delhi since 2013-14.

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### 4.0 Dr. R.S. Paroda Award

This award instituted in the name of Padma Bhushan, Dr. R.S. Paroda, in recognition to his contributions in national and international development of agriculture, to recognize the individual for scientific excellence in agriculture, specially horticulture, biotechnology and environmental sciences, given once in a year.

#### 4.1 Dr. Anil B. Patil, Vice President, JISL, Jalgaon (CF-34)



**Dr. Anil B Patil**, born on 20<sup>th</sup> April 1970 in Jalgaon, Maharashtra, graduated from Pune University in the year 1991, completed his M.Sc. (Botany.) from North Maharashtra University in 1993 and Ph. D. from North Maharashtra University, Jalgaon in 2010. Starting his professional career as Production Supervisor in commercial tissue culture laboratory at Jain Irrigation systems Limited, Jalgaon in 1995, he rose to the position of Asstt. Manager in 2000, and In-charge of the laboratory in 2003, and subsequently in 2007 Dr. Patil became Head of Tissue Culture Division of JISL. He is headed the division as Manager in 2008 and Vice president in 2012. He had his training in Research abroad. His contribution for the commercialization of tissue culture technology in

India is notable and exceptionally outstanding covering crops like Banana, Pomegranate, Strawberry, Citrus in particular and Onion, Garlic, Ginger, Turmeric and Potato in general. His research contributions to the tissue culture science are standardization of protocol and greenhouse hardening technologies for micro-propagation of nine commercially important crops. Pomegranate is one among them which is credited to him for its commercialization, for the first time in India. He has shown remarkable performance while managing commercial unit of tissue culture for banana which is largest in the world, producing 70 million plants per annum and 10 million plants of pomegranate. The tissue culture unit received many awards and reward under his supervision, few among them are Golden Peacock Award, Nalla Wazai Award, Commendation Certificate for Rajiv Gandhi National Quality Award-2007. Dr. Patil has published 04 research papers, 02 popular articles. During his professional career, he has attended more than 25 national and international conferences and travelled more than 15 countries. He has personally been awarded Udyan Pandit by Krishak Bharti Samaj, Jalgaon and Udyan Ratna by Lt. Amit Singh Memorial Foundation, New Delhi. He has been selected as Fellow of Confederation Horticulture Association of India (CHAI) and is a member of Association for the Improvement in Production and Utilization of Banana (AIPUB) and Promusa International. His exceptionally outstanding contribution for the commercialization of tissue culture has earned him recognition in India and abroad.

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### 5.0 Dr. B.H. Jain Award

This award is instituted in the name of Padma Shri Dr B.H Jain, who his passion for knowledge had based agriculture, and empowerment of youth and farmers with new technology to make the farming profitable. Dr. B. H. Jain Award recognizes an excellence in knowledge dissemination for the extension workers and teachers in agriculture.

#### 5.1 Dr. Ashok Kumar Mishra, Former Dean, JAU and Sr. Manager, JISL (CF-244)



**Dr. Ashok Kumar Mishra** obtained his Master's degree in Plant Pathology (1969) and Ph. D. (1977) from University of Udaipur (now MPUA&T, Udaipur). He received Jr. Fellowship of ICAR. He has more than 47 years' experience of teaching, research and extension. As a recipient of Crawford Fund for International Agricultural Research, Australia he was as a Visiting Scientist at CSIRO Division of Biomolecular Engineering, Parkville, Melbourne (1990-91) and School of Biotechnology, Ag-Victoria, La Trobe University, Bundoora, Australia (1995-96) and worked on molecular biology of Potyviruses, gene cloning and plant transformation technologies. He developed a

broad spectrum anti-body probe for detection of potyviruses at CSIRO, Melbourne. As Prof. & Head, Plant Pathology, Gujarat Agricultural University, Anand campus, established a very modern plant virus laboratory and was Principal Investigator of several major research projects funded by ICAR, NATP, DST and State Govt. of Gujarat on different aspects of plant virology. Organized 8 short-term trainings and one Winter School on Plant viruses sponsored by ICAR. As a President Indian Society of Mycology and Plant Pathology he organized II Global Conference – Plant Health: Global Wealth at Udaipur (November 25-29, 2005). Guided 6 Ph.D. and 5 M.Sc.Ag students. He has been paper setter for many universities & UPSC for civil services and IFS. Published more than 100 research papers and a book. Besides excelling in research he has been an acclaimed teacher. In 2013 he received Dr. YL Nene Outstanding Plant Pathology Teacher Award by Indian Society Of Mycology & Plant Pathology.

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## 6.0 Ram Nandan Babu Award

This award recognizes the innovations of individuals in farming for enhanced productivity of land and water, generating highest income per unit of land. This award is given once in a year and consist of citation, a plaque of honour and certificate. The he or she conferred with award shall be eligible to seek financial assistance for upgradation of knowledge. The validity of award for seeking financial assistance is for the period of two years from the date of conferment of the award.

### 6.1 Shri. Bhagwat V. Patil (CF-138)



**Bhagwat Vishwanath Patil**, born on 2nd May, 1949, at Nimbol Tal. Raver, District Jalgaon, had his schooling at Ainpur. He adopted the profession of farming by choice, at the age of 19 years. He started cultivation of banana in 8 acre land. Through his innovations in banana farming he improved yield from 25 t/ha to 70-100 t/ha now. He earned the profits not only by improving the yield but he succeeded in reducing duration from 18 months crop to 11-12 months crop, by adoption of new cultivar, tissue culture plants and fertigation system. He has adopted bunch management technique to produce export quality banana, which fetches him better price even in domestic markets. Due

to his innovation he is a leader for banana growers. Now he is a biggest banana grower in Jalgaon Dist., with a plantation of 3.0 Lac TC plant. He is one of the pioneer who started transport of banana from Raver to Delhi by Train. As a rotation he also grows cotton, maize, gram, red gram, onion and Turmeric with drip and fertigation technology. Mr. Bhagwat Patil is President of All India Banana Growers Association, New Delhi, and also of the Kela Union Raver. He is also the president of Ainpur Education Society. He was associated with FAO for Post Harvest Management of Banana for export. He is recipient of “Jain Tissue Culture Life Time Achievement Award-2015” for his contributions to development of banana and motivation to banana growers, in the Country. He is a Fellow of the CHAI, New Delhi and member of AIPUB and has been chairing meetings in conferences and workshops with his motivating and innovative ideas for improving income of farmers. He has become a role model for banana growers due his modern thinking and innovations in banana farming.

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## 7.0 JISL Fellowship Award

JISL Fellowship is sponsored by Jain Irrigation System to encourage the talented individual for participation in International conference and training abroad through financial assistance.

### 7.1 Dr. R. C. Srivastava, Vice Chancellor, DRPCAUI, Pusa, Samastipur, Bihar (CF-059)



**Dr. Ramesh Chandra Srivastava** born on 1<sup>st</sup> July, 1956 at Allahabad (Uttar Pradesh), did his schooling at Allahabad and graduated in Agricultural Engineering from the then Allahabad Agricultural Institute (presently Sam Higginbottom University of Agriculture Technology and Science) in 1975. He did his M.Tech and Ph.D from Indian Institute of Technology, Kharagpur. In 1978, he joined Agricultural Research Services of Indian Council of Agricultural Research as Scientist and served in different positions of Scientist/Senior Scientist/Principal Scientist and Director, Central Inland Agricultural Research Institute, Port Blair (A&N Islands). He joined as Vice-Chancellor of Rajendra

Agricultural University which was subsequently converted to Dr. Rajendra Prasad Central Agricultural University, Pusa (Samastipur), Bihar on 22<sup>nd</sup> January, 2016. Dr. Srivastava has more than 350 research Papers, 16 books, numerous, training manuals, chapter in books and popular Articles to his credit. His major work has been on water management for different eco-systems, Himalayan, Coastal, Eastern Plateau, Island and Eastern Plains. For this work, he has been bestowed with several National Awards including coveted Rafi Ahmad Kidwai Award of ICAR in 2005, Vasanta Rao Naik Award of ICAR in 2002 and 2007, Dr. Rajendra Prasad Award 2010 and 2011 for best technical book in Hindi besides several awards from different professional societies. He is Fellow of National Academy of Agricultural Sciences, Indian Society of Agricultural Engineers, Institution of Engineers, Association of Soil and Water Conservationists and Confederation of Horticultural Association of India. He has developed/facilitated 17 technologies, 18 concepts, 10 prototypes, 4 software and 21 varieties during his scientific career spanning over 40 years.

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## 8.0 Dr. D. P. Ray Best Dissertation Award

This award recognizes the research of the student at Ph.D. level by conferring Dr. D. P. Ray Best Dissertation Award, based on relevance of topic of research, quality of research, output and outcome and its application in the field of science. This award will be given once in two years. The awardees' receives the certificate, plaque of honour and free subscription of Journal – International Journal of Innovative Horticulture for the year.

## 9.0 Best Paper Award

This award encourages publication of high quality paper in International Journal of Innovative Horticulture. The committee examines the paper published in preceding year of award, the published original article is recommend for Conferment of award. The recommendations of s committee shall be put for approval to Board of Director /The Founder Chairman/Board of Director. The decision of the



Founder and Chairman shall be final. The recipient of award shall be honoured with certificate and Medal. The awardee shall also receive two issues of the Journal in which Paper is published.

## 10. Life Time Recognition Award

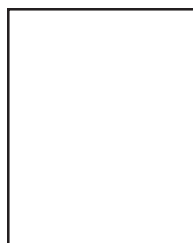
This award recognizes the life time contributions of an individual in research, development and extension of specific commodity, which succeeded in achieving unparalleled growth. This award is given once in a year or as decided by Board of Director or the Chairman, as the case may be, and shall consist of a citation, a plaque of honor and certificate. He or she conferred with award shall be eligible to seek financial assistance. The validity of the award for seeking financial assistance will be for the period of two years, from the date of announcement of selection. The awardee shall become the Fellow of CHAI and can avail all the benefits admissible to the Fellow of CHAI.

### 10.1 Dr. N. N. Singh, Former VC, BAU, Ranchi (CF- 240)



**Address:** N.N. Singh, Trust for Advancement of Agricultural Sciences (TAAS), Avenue II, Pusa Campus, New Delhi – 110012, Tel.: +91-11-65437870; Telefax: +91-11-25843243; Email: taasiari@gmail.com; Website: www.taas.in

### 10.2 Dr. H.S. Gupta, Former Director, IARI



**Dr. H.S. Gupta**, currently working as Consultant, Sustainable Agriculture with the FAO office in New Delhi, has made significant contribution to the field of agricultural sciences with special reference to crop breeding and biotechnology. Dr. Gupta was the Founder Director General of the Borlaug Institute for South Asia (BISA) and prior to joining BISA, he served for five and a half years as Director of the Indian Agricultural Research Institute, known globally as the institution that was instrumental in ushering the 'Green Revolution' in India. Dr. Gupta led development of India's first short duration 'Quality Protein Maize' hybrid through marker assisted breeding. His research

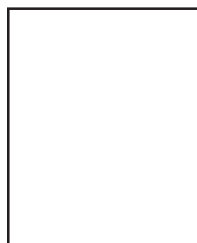
contributions have been recognized at the national as well as at international levels and he is three time recipient of ICAR's Team Award for Outstanding Multidisciplinary Research. Dr. Gupta has been conferred with the Societal Innovation Award of the National Research & Development Corporation and his group's research was selected for WIPO's Gold Medal in the year 2009. Dr. Gupta is also the recipient of Dr. Rajendra Prasad, Hari Om Ashram Trust, Dr. AS Cheema, Dr. Panchanan Maheshwari lecture, Dr. Rao Bahadur B. Vishwanath and Shri O.P. Bhasin Award. Dr. Gupta has been conferred D.Sc. (h.c.) by the Sardar Vallabh Bhai Patel University of Agriculture and Technology, Meerut. Dr. Gupta played a leading role in release of HD 2967, a wheat variety that occupies more than 8 million ha area and adds 4-5 million tonnes of additional wheat to India's granary every year. Dr Gupta is a fellow of the National Academy of Agricultural Sciences and has held presidency of the Indian Society of Genetics and Plant Breeding during 2011-13.

**Address:** Dr. H.S. Gupta, Ex-Director General, BISA, New Delhi

## 11.0 Appreciation Award

This award recognizes the contributions of an individual in his or career for the advancement of technology led development with a set goals and objectives. This award shall be given once in a year or as decided by the Board of Director or Chairman, as the case may be, and shall consist of a citation, a plaque of honor and certificate. He or she conferred with award shall be eligible to seek financial assistance. The validity of the award for seeking financial assistance will be for the period of two years, from the date of conferment of award.

### 11.1 Dr. T.P. Singh, Former Dean PG, RAU, Pusa, Samastipur



**Dr. T.P. Singh**, born on 2<sup>nd</sup> June 1938 in Bihar, graduated in agriculture from Ranchi Agricultural College, Ranchi and earned his Post-graduation and Doctoral Degree from the University of Missouri, Columbia, USA. Starting his career as pool officer at TCA, Dholi in January 1966 and worked in various capacities at various institutions as Assistant Professor, at Panjab Agricultural University, Ludhiana (1967-1970), Maize Breeder, Assistant Maize Breeder, at Himachal Pradesh University, Palampur (1970-1971) and then Maize Breeder, at RAU, Pusa (1971-1978). He also served as Co-ordinator, RAU, Pusa (1971-85), Professor cum Chief Scientist, (Maize), RAU, Pusa (1978-1985), Associate Dean cum Principle & Regional Director, Bihar Agriculture College, Sabour (1985-90); and Director, Resident Instruction cum Dean PGs, RAU, Pusa (1990-98). Besides his research on maize improvement, Dr. Singh also served as crop coordinator (14 years); Warden at TCA Dholi (2 years); Comptroller of RAU (18 Months). Dr. Singh has guided 4 Ph.D and 10 M.Sc (Ag) students in plant breeding as major advisor at PAU, Ludhiana and RAU, Pusa. He has published more than 50 research papers in peer reviewed journal of national and international repute. Dr. Singh is credited to have developed, synthetic, composite and hybrid cultivars in maize which were widely adopted by the farmers. Dr. Singh participated and organized more than 50 national and international symposia, workshop/on Maize. Dr. Singh, honored with a number of prestigious award including “India –CIMMYT Day”, awarded by ICAR. He is also a recipient of an honour from DMR, ICAR for “Outstanding contribution on maize research”, and “Gamma Sigma Delta Award” award from University of Missouri, USA. Dr. Singh has visited Pakistan, Mexico, Thailand, Columbia for academic and Research. The contribution of Dr. Singh to maize research and development is appreciably outstanding, which has impacted maize development in Bihar.

**Address:** Ahilya Sadan, North of Islamiya Chowk, Gangjial, Saharsa-852201, Bihar, Mobile: 09472965716

### 11.2. Dr. P. B. Jha, Former Chief Scientist, RAU, Pusa, Samastipur



**Dr. P.B. Jha**, a Graduate in Agriculture, from Ranchi Agricultural College, Ranchi, earned his Master in Plant Breeding & Genetics from Ranchi Agricultural College, Ranchi and Doctoral Degree from Punjab Agricultural University, Ludhiana in 1983. Starting his career in the Department of Agriculture, Govt. of Bihar, August 1965 for seed testing, production, storage distribution and farm management at Gopalganj and Sitamarhi district, Dr. Jha joined in the Maize improvement programme at Rajendra Agriculture University, Pusa, Bihar in January 1974, and served in the capacity of Junior Scientist, Senior Scientist, Chief Scientist and Guest faculty up to March 2007. During the period spanning 33 years, Dr. Jha contributed immensely to maize improvement program, by enriching germplasm, developing inbred lines, composite varieties and single cross hybrids. He is also credited

to have developed QPM hybrids. He also worked on sweet corn, baby corn. Dr. Jha, is credited to have guided M.sc (Ag) and PhD students. He has published more than 50 research papers in peer reviewed national and international journals. He enriched his knowledge by visiting CIMMYT, Mexico; Purdue University, USA; Duke University USA, North Carolina state university, USA; University of Philippines, Los Banos, IRR, Rockefeller Foundation Maize programme at Suwan Farm, Thailand and a large number of universities in India. He has produced nucleus, breeder, foundation and certified seeds. He was also involved in monitoring of national seed production programme. Dr. Jha trained many stakeholder in seed production technology of maize, and is credited to have organized workshops, summer schools and short training programme for breeders. He is recipient of the best teacher award from RAU, Pusa and distinguished maize scientists from the Directorate of Maize Research, New Delhi. Contribution of Dr. Jha to maize improvement is immense, which has provided an impetus to maize development in Bihar.

**Address:** Flat # C3/603, Block: - Saraswati-3, Jalalpur City, Ramjaipal Path, Danapur-801503, Patna, Bihar

### 11.3 Dr. A.V. Barad, College of Agriculture, JAU, Junagadh



**Dr. A.V. Barad**, currently working as principal, College of Agriculture, JAU, Junagadh. graduated from Gujarat Agriculture University, Anand with distinction & Gold Medal earned his Masters (M.Sc 'Floriculture & Landscape Gardening) from PAU, Ph.D. (Hort.) from GAU, Navsari. He started his service as Agriculture Officer and served in various capacities, as Asstt. Professor, Professor and Head. He has been taking major courses in Horticulture and has guided 30 M.Sc. and 9 Ph.D. students. Besides his academic contributions significantly contributed for growth of horticulture and released 2 custard apple varieties & more than 12 technologies. He developed 9 UG curriculum

& 5 PG circulation courses. He has published 73 research papers in peer reviewed journals, 12 books and more than 33 papers / abstracts in proceeding of conferences. He is member of Academic Council, Extension Council, PG Study Board, Executive Body of AAU and is president of Gujarat Association for Agriculture. His contributions and earned him Sardar Patel Research Award for innovative research. He is Fellow of Indian Society of Ornamental Horticulture. As a organiser, he is involved in organisation of this National Conference on Technological Changes and Innovations in Agriculture for Enhancing Farmers' Income.

**Address:** Dean, Faculty of Agriculture, JAU, Junagadh-362001 (Gujarat), India  
Phone:91-2876221053; Mob:9879104667E mail: avbarad@jau.in avbarad55@gmail.com

## 12.0 Fellows of CHAI

Fellow CHAI recognises the commitment of an individuals for the Furtherance of Agriculture, with special reference to horticultural system.

### 12.237 Dr. Manish Dutt Ojha (CF-237)



**Dr. Manish Dutt Ojha**, born on 1<sup>st</sup> May, 1974 in a small village - Pure Ojha, District - Pratapgarh, Uttar Pradesh, he has done his primary education, schooling, matriculation and intermediate programme from Pratapgarh. He graduated in Agriculture from T.D. College, Jaunpur, and 1995 with distinction. He earned his M.Sc. (Horticulture) from NDUA&T, Kumarganj, Faizabad in 1998 and obtained Ph.D. (Horticulture) in

2004 from Purvanchal University, Jaunpur. Dr. Ojha started his career in April, 2005 as Assistant Director (Horticulture) at National Horticulture Research and Development Foundation (NHRDF) and serve at Uttar Pradesh, Haryana and Andhra Pradesh for strengthening of horticulture sector till September, 2011. Presently he is working as an Associate Professor -cum- senior scientist (Horticulture) since 2011 at Nalanda college of Horticulture, Noorsarai, Nalanda, Bihar Agriculture University, Sabour, Bhagalpur. He is credited to have developed technologies on Onion, Garlic and has conducted several training programmes on horticultural crops. He has published around 30 research papers in peer reviewed journal and presented 50 papers in National and International conferences in India. He also published book chapters, Book, popular articles, technical bulletins and manuals on different vegetables and horticultural crops. He is member and life member of more than ten National and International societies. Dr. Ojha is the recipient of a prestigious “Eminent Scientist Award” for the year 2014 conferred by the Samagra Vikas Welfare Society, Lucknow. Dr. Ojha is a renowned horticultural scientist with expertise in vegetable science especially in Onion and Garlic.

**Address :** Dr. M. D. Ojha, Associate Professor cum Senior Scientist (Olericulture), Head of Vegetable Sc. Department, College of Horticulture, Noorsarai, Nalanda – 803113; Phone and Fax - 06112 – 242493; Email:drmdojha@gmail.com; Mob. 8986922541

### 12. 238 Dr. Desh Beer Singh (CF-238)



**Dr. Desh Beer Singh** born on 17<sup>th</sup> April 1959 at Baramulla, Jammu and Kashmir did his schooling from Govt. Higher Secondary School Baramulla J & K. He graduated from Gochar Mahavidhyalaya, Rampur Maniharan, Saharanpur, U.P. in 1983. He obtained his M Sc (Pomology) from Punjab Agricultural University, Ludhiana, Punjab in 1990 and Ph. D (Horticulture) from Bhim Rao Ambedkar University, Agra in 1998. After qualifying ARS started his career as Scientist from ICAR-CARI Port Blair, A&N Islands and there after he served as Scientist SS in ICAR-CIAH, Bikaner, Rajasthan, Senior scientist in ICAR-CIPHET, Ludhiana, Pr. Scientist in ICAR-CITH Srinagar and presently posted as Director, ICAR-CITH. Srinagar. He significantly contributed in development of high yielding varieties of temperate and tropical horticultural crops, technologies for making novel and value added products of temperate and tropical fruits, registration of newly identified/developed varieties of walnut, commercialization & popularization of technologies on farmer’s field through programmes like TSP/MGMG/Network etc. Further he has obtained advanced training from USDA, USA in the field of conservation of plant genetic resources and from RAS, Moscow (Russia) in the field of post harvest management of horticultural produce and also visited Central Asian countries (Kazakhstan, Kyrgyzstan, Tajikistan, and Uzbekistan) for discussion on potential for collaboration research between Central Asian scientific institutions and ICAR on diversity of temperate fruit trees. Dr. Singh has also identified a new species of banana and several unexploited tribal fruits from Andaman and Nicobar Islands. He has been awarded by The SAARC Agriculture Centre (SAC) for developing the Farm Technology in SAARC countries on Round the Year Pineapple production in Andaman and Nicobar Islands. He has been awarded ISAE Team Award and is also the Fellow of Hind –Agri-Horticultural Society (FHAS), Bioed Fellowship Award (BFA), and The Horticultural Society of India (FHSI). He has published more than 110 research papers and contributed 14 bulletins, 15 book chapters, 06 books besides 57 presentations in national and international conferences.

**Address:** Dr. Desh Beer Singh, Director, ICAR-Central Institute of Temperate Horticulture Old Air Field, Srinagar-J&K., Tel. No.: 9858776364, 9419061669, 0194-2305044; E Mail: deshbsingh@yahoo.co.in, dircithsgr@icar.org.in

## 12. 239 Dr. J.S. Parihar, Distinguished Professor in ISRO (CF-239)



**Address :** Dr. Jai Singh Parihar, Former-Satish Dhawan Professor, Outstanding Scientist & Dy. Director, Space Applications Centre, ISRO, 100, Iscon Greens, Ghuma P.O. Bopal, Ahmedabad 380058 India; Cell: +91 9428500526 Ph.: +91 2717 297100; ; Email: jsparihar@yahoo.com

## 12. 240 Dr. N. N. Singh Former VC, BAU, Ranchi (CF- 240)



**Address :** Dr N.N. Singh, Trust for Advancement of Agricultural Sciences (TAAS), Avenue II, Pusa Campus, New Delhi – 110012, Tel.: +91-11-65437870; Telefax: +91-11-25843243; Email: taasiari@gmail.com; Website: www.taas.in

## 12.241 Skymet Weather Services Pvt. Ltd., Dr. Jatin Singh (CF-241)



**Skymet Weather Services Pvt. Ltd.** headed by Mr. Jatin Singh is India's largest weather monitoring and Agri-risk solutions company, with expertise in measuring, predicting and limiting climate risk to agriculture. Skymet has built technologies and instruments to measure weather to support agriculture. They have built a whole range of technologists to support small and marginal farmers, urban dwellers, energy companies (renewable and non-renewable), insurance companies, governments and international NGOs. They have expertise of par excellence to observe, measure & predict weather accurately at the village level for any crop with a very high level of accuracy. They also forecast the weather in the short, medium and long term accurately. Skymet is currently forecasting the weather for every tehsil in India. Skymet can provide accurate forecasts at the village level also. Skymet can also provide reliable seasonal forecasts including the Monsoon. Skymet is backed by **Omnivore Partners** ([www.omnivore.vc](http://www.omnivore.vc)- is an early-stage venture fund investing in Ag-tech startups in India & DMGI a global B2B information company. The weather services provided by Skymet has benefitted the stake holders in agriculture including farmers.

**Address:**

## 12.242 Dr. K.V. Peter, Director, World Noni Research Foundation(CF-242)



**Address:** Dr. K.V. Peter, Director, World Noni Research Foundation, 12, Rajiv Gandhi Road, Sreenivasa Nagar, Perungudi, Chennai 600096, Tamil Nadu; Kuruppacharil House, TC-12 (17)/ 1309 (447), P.O. Mannuthy, Thrissur 680651, Kerala; (Tel:Res. (0487) 2373017; Cell 09446513017, 09381744878; Fax: (044) 24545406, 24544935; Email: kvptr@yahoo.com; peter.kv@gmail.com; kvpeter@hotmail.com



### 12.243 Dr. Narendra Singh Rathore, DDG (Edn.), ICAR (CF-243)

**Address** :DDG (Edn.), Indian Council of Agricultural Research Krishi Anusandhan Bhawan-II, Pusa, New Delhi-110012; Mobile 09414166961; Email:ddgedn@gmail.com



### 12. 244 Dr. Ashok Mishra, Chief, Agronomy & Extension Services (Gujarat) Jain Irrigation Systems Ltd (CF-244)

**Address** : Dr. Ashok Mishra, Chief, Agronomy & Extension Services (Gujarat) Jain Irrigation Systems Ltd., 2<sup>nd</sup> Floor, Amin Chambers, 85/B, Sampatrao Colony, Off Productivity Road, VADODARA -05; Mob: 09408707245; Email: amishra47@gmail.com



### 12.245 Dr. V. V. Sadamate, Former Advisor Agriculture, Planning Commission (CF-245)

**Address** : Dr.V V Sadamate, Agril. Extension Specialist & Former Advisor Agriculture, Planning Commission, GOI. C-59, Nanakpura, South Motibagh, New Delhi- 110021 Mobile:09599557696; Email: sadamatevv@gmail.com

### 8.246 TAAS (CF-246)



**The Trust for Advancement of Agricultural Sciences (TAAS)** was established on 17 October 2002 based on the decision of National Organizing Committee of 88<sup>th</sup> Session of the Indian Science Congress held at the Indian Agricultural Research Institute (IARI), New Delhi in January 2001 for harnessing the agricultural sciences for the welfare of the people. Its mission is to promote growth and advancement of agriculture through scientific interactions and partnerships. The major objectives are (i) to act as think tank on key policy issues relating to agricultural research for development (ARD), (ii) organizing seminars and special lectures on emerging issues and new development in agriculture sciences in different regions of India, (iii) instituting national awards for the outstanding contributions to Indian agriculture by the scientists of Indian origin, and (iv) facilitating partnerships with non-resident Indian agricultural scientists. The main activities include organizing foundation day lectures, special lectures, brain storming sessions/symposia/seminars/workshops on important themes, developing strategy papers on key policy matters, promoting farmers' innovations and conferring Dr. M.S. Swaminathan Award for Leadership in Agriculture. The TAAS is immensely contributing to dissemination of new technology and development of policy frame work.

**Address**: Trust for Advancement of Agricultural Sciences, Avenue-II, Indian Agricultural Research Institute, New Delhi-110012; Tel:25843243, 65437870; Email:taasiari@gmail.com; For more detail please visit: [www.taas.in](http://www.taas.in)

**8.247 Dr. P.K. Gupta, (CF-247)**

**Dr. P. K. Gupta**, born on 11<sup>th</sup> February, 1971 in Kasimabad, village of Gazhipur UP. had completed his high school education in Narkatiyaganj, Bihar in 1986, and graduated in Agriculture, 1993 from Kanpur University, Kanpur. He earned his masters (M.Sc., Ag.Bio-chemistry), with Gold medal and certificate of merits, and Ph D from the University of Allahabad in 1995 and 2000. He has also a master degree in horticulture and sociology besides, 3years Diploma in Naturopathy. Starting his career, as a Technical Officer Multiplex Group, Bangalore, he served several organization, including Amity University , Noida and joined NHRDF, Nasik as Joint Director on 2011 and is currently the In-Charge Director. During his career spanning 16 years, Dr Gupta has been involved in marketing, training, teaching and research of development of organic agriculture, seed production and quality assurance of vegetable seeds. He is Project Coordinator of National Horticulture Mission of Govt. of India, All India Network Research Project on Onion and Garlic, All India Co-ordinated Research Project on Vegetable Crops and Principal Investigator of National Project on Micro-nutrient Management in horticultural crops. His Contributions have earned him many awards, namely. Gold Medal, Academy of Plant Sciences , Young Scientists' Award, Bioved Research Society, Allahabad, Fellowship of Bioved Research and Communication Center, Allahabad. He has published 35 research Papers in peer reviewed Journals, more than 200 abstracts / popular articles, and 3 technical bulletins. He has delivered 25 guest lectures / invited papers.. He is a life member of more than 10 professional and Academic Societies in different committees at Institute and State levels.

**Address** : Dr. Pramod Kumar Gupta, Joint Director, National Horticultural Research & Development Foundation Kundewadi Musalgaon, Sinnar, Nasik, Maharashtra-422112; Tel:(02551-202052 (O); Tel:(0253)-2237366 (R); Mob : 08888867619; Email: Drpkgupta12@gmail.com

**8.248 Mr. K. Ravikiran (CF-248)**

**Mr. K. Ravi Kiran** born on 5<sup>th</sup> December, 1983. He obtained his B. tech Degree in Horticulture Farming and is growing Mango, Guava, Coconut and is concentrating in mechnisation in horticulture and has adopted micro irrigation and fertigation systems. He has adopted advance technologies and convinced his fellow growers to adopt the new technology for improving the productivity, besides horticulture, he has also adopted aqua-culture. He has provided leadership for the social and cultural by organizing various festival and he is currently Chairman of Kali Mahadev Charitable Trust. He is recipient of various awards and activities.

**Address** : Mr. K. Ravikiran, 1-47, Balusulapalem (V), CherukupaliMandal, Guntur District, Andhra Pradesh-522309; 09154125555; 0915461666 (M); Drkrao-dhurjati189@gmail.com; k.ravikiran-hari.konakala@gmail.com

**12.249 Dr. N. Y Azmi (CF-249)**

**Dr. N.Y. Azmi**, born on 9<sup>th</sup> March, 1971 in Ranchi, primary education, schooling from Pusa, Bihar. She graduated in Agriculture from T.C.A. Dholi in1996, with distinction in many subjects. She earned her master, M Sc (Soil Science) in 1999. She obtained her the degree of M.Sc. (Soil Science her Ph. D. in the year 2007 from RAU, Pusa with distinction in many subjects. Dr. Nikhat Yasmin Azmi is committed to soil scientist with expertise in soil fertility especially in sulphur. She is working as an Junior Scientist-

cum-Assistant Professor (Soil Science) since 2015 at Nalanda College of Horticulture, Noorsarai under Bihar Agricultural University, Sabour, Bhagalpur. Prior to this, she served as Junior Scientist-cum-Assistant Professor (Soil Science) at Veer Kunwar Singh College of Agriculture, Dumraon and Agricultural Research Institute, Patna under B.A.U., Sabour from 2010 to 2015 and 2007 to 2010, respectively. She has more than ten years experience in different fields including horticulture. She has published research papers in National and International journals of repute. She has been participating in national conferences and seminars. Dr. N.Y. Azmi has authored book chapters, popular articles, technical bulletins and has conducted training programmes. She is member and life member of more than five professional societies. Dr. N.Y. Azmi is recipient of prestigious M.K. Sinha Memorial Best thesis award for M.Sc. programme.

**Address:** Asst. Prof. cum- Jr. Scientist, NCOH, Noorsarai, Nalanda, Mob. No. 09334488457; Email: nikhatazmi1971@gmail.com, 401, Hytec Regency, K. M Singh Lane, East Boring canal Road, Patna-1.

### 12.250 Dr. Seema (CF-250)



**Dr. Seema**, born on 30<sup>th</sup> December, 1971 in Patna had done her primary schooling upto matriculation at and Patna and intermediate programme at the College of Commerce, Patna, in the year 1989. She did graduation in Agriculture from T.C.A. Dholi in the year 1995 with distinction in many subjects. In the year 1998 she earned master, M.Sc. (Bot.&Plant Physiology) and obtained her Ph.D in the year 2005 in Plant Physiology. Dr. Seema is committed to science of Plant Physiology with expertise in stress physiology especially in cold stress. She is working as an Assistant Professor-cum-Junior Scientist (Plant Physiology) since 2015 at Nalanda College of Horticulture, Noorsarai under Bihar Agricultural University, Sabour, Bhagalpur. Prior to this she also served as Assistant Professor-cum-Junior Scientist (Plant Physiology) at Veer Kunwar Singh College of Agriculture, Dumraon under B.A.U., Sabour from 2012 to 2015. She has a good experience in different fields of agriculture including horticulture. She has published research papers in reputed National and International journals. She has participated in several national conferences and seminars. Dr. Seema has authored book chapters, popular articles, technical bulletins physiological aspects of horticultural crops and has conducted several training programmes. She is member and life member of more than five national societies.

**Address:** Dr. Seema, Asst. Prof. cum- Jr. Scientist, NCOH, Noorsarai, Nalanda, Mob. No. 07739274966, Email: drseema3012@gmail.com

### 8.251 JAU, Junagadh (CF-251)



**Junagadh Agricultural University**, Junagadh, established in 2004, was started as college of Agriculture in the year, 1960 affiliated to Gujarat University and Saurashtra University and then in 1972 to Gujarat Agricultural University. The University offers education in agriculture and allied sciences—agriculture, agricultural engineering, veterinary and animal sciences and fisheries and farm business. The university has seven multidisciplinary main research station, five main research station for various crops, and eleven sub-research station / testing centres for the development of new varieties / hybrids of crops, vegetable, fruits. The University is known to have developed first hybrid of bajra and castor and many varieties and technologies. 6 KVKs are attached to the University. [www.jau.in](http://www.jau.in)

**Address :** Dr. A.R. Pathak, Vice Chancellor, Junagadh Agriculture University, Junagadh, Gujarat



### 12.252 Dhanuka Agritech Ltd, New Delhi (CF-252)

**Dhanuka Agritech Limited** chaired by **Shri R.G. Agarwal**, has attained a distinguished place, as a leading Agritech Business House in India having the most modern manufacturing plants, laboratories and R&D Centers, and well acclaimed innovative approaches in improving the productivity of crops and profitability of the farmers. It's iOS is also known to have first ever public-private partnership with Govt. of Madhya Pradesh for agricultural extension management in Hoshangabad district., These achievements of the company is credited to Shri R G Agarwal, owing to his visionary leadership, business acumen, passion, and utmost sincerity to serve the agricultural community in India. He is also full time Director in the company, Dhanuka Agritech Limited, with a turnover of Rs 750 crores. The Dhanuka Agritech Limited is now the fourth largest agrochemical company in terms of brand sales and, has contributed immensely to the growth of Indian Agriculture by providing quality inputs of agrochemicals. Northern Minerals (P) Limited, was submerged in M/S Dhanuka Agritech Limited in 2007 Many Institutions are supported for social services. The Company has earned its recognition and is recipient of many awards, i.e Leadership Award-2009, Corporate Award in International Conference on Agrochemicals-2009. National Productivity Council Award-2004, Brand Excellence Award in Agrochemicals' by ABP News, and the FICCI Chemicals and Petrochemicals Award for Best Contribution to Academia, Dhanuka Agritech Limited has bagged a place in the prestigious list of India's exemplary Companies: INC. INDIA - HALL OF FAME - 2014. The Dhanuka Agritech has focus on farmer for increasing their income through technological interventions with the help of well trained technical manpower and has taken up the program to train distributors on various aspect of agriculture so that farmers can be benefitted.



**Address:** Dhanuka Agritech Limited, 14th Floor, Building 5A, Cyber City, DLF Phase III, Gurgaon, Haryana – 122002, Ph:911243838977. Mobile 0980002518 Email rgagarwal@dhanuk.com Web www.dhanuka.com

### 8.2.253 Dr. W.S. Dhillon, ADG (Horticulture), ICAR, (CF-253)

**Dr Wasakha Singh Dhillon** was born on 13<sup>th</sup> April 1960 in Village Dhande, District Gurdaspur in Punjab. He did his schooling from Govt. High School Khojala in District Gurdaspur and graduated in Agriculture from Punjab Agriculture University, Ludhiana in 1982 and earned his Master's, & Ph.D in 1984 and 1994, respectively. Starting his career in Horticulture at PAU, Ludhiana, he served in various capacities, Director, Fruits Research Station, Gangian; Director, Punjab Horticulture Post-harvest Technology Centre and joined ICAR as ADG (Horti.) in 2016. In his career spanning 38 years, he has contributed significantly to horticulture research and development and captured to developed 10 varieties of fruits, one rootstock, and 38 technologies for efficient production management of the sub-tropical fruits. Complete protocols has been established for ripening, storage, processing and modern day packaging for enhancing shelf life of large number of fruits and vegetables; Developed procedures for fast multiplication of pear, mango and litchi plants; Developed package for the quality improvement of grapes and crop regulation in pomegranate; Developed agro- horti techniques for pomegranate, grapes and pear; Given control measures of pear aphid, mite insects, and control of fruit flies in pear. He has successfully completed 8 adhoc research projects funded by various agencies. He has been an effective teacher and has guided more than 12 M.Sc. and 7 Ph. D Students. His experience earned ICAR Awards and fellowship. His contribution to the horticulture is recognized in the form of fellowships and award. He is the fellow of SHI and received Life Time Achievement Award. He was also a recipient of GL Chadha Memorial Award; JC Anand Gold Medal;



Meritorious Teacher Award; S. Nihalsinghwala Award; Hans Raj Pahwa Award, and Distinguished Scientist Award. He has published more than 163 original research papers in peer reviewed international and national journals and many popular articles, he is an invited speaker in many National and International conferences and has published 5 books, 5 manual for the students and 14 monogram and 20 book chapters. He has been opted for several important Committees and is a Member of various national level Committees. He has guided for the horticulture research and development.

**Address:** ADG(Hort.), ICAR, KAB-2, Pusa Institute, Pusa , New Delhi, 110012 Mobile: +91 9888070460, email: washakhasingh@yahoo.com

#### 8.254 Dr. R.B. Singh, Chancellor, Central Agricultural University, Imphal (CF-254)



**Address:** Dr. R.B. Singh, Chancellor, Central Agricultural University, Immediate Past President, NAAS, DI/1291, Vasant Kunj, New Delhi -110070, Tel : + 91 11 2613 6450 (R); + 91 9810230037 (Mobile); Email: rbsingh40@gmail.com

#### 8.255 Dr. Trilochan Mohapatra, Secretary (DARE) & DG, ICAR (CF-255)



**Address:** Dr. Trilochan Mohapatra, Secretary (DARE) & DG, ICAR, Ministry of Agriculture & Farmers' Welfare, Department of Agricultural Research and Education, Krishi Bhawan, New Delhi; Phone:011-23382629/23386711 (O);Email:dg.icar@nic.in

#### 8.256 Dr. Gopal Lal, Director, NRCSS, Ajmer(CF-256)



**Dr. Gopal Lal**, Director, NRCSS, Ajmer, born on 10th March, 1967, in Naugaung Distict of Rajasthan, Ajmer, earned his MSc, Horticulture, with Gold medal, and PhD from RAU, Bikaner, in 1992 and 1996, respectively. Starting his career at Nagaur, RAU, Bikaner, as assistant professor, in 1996, he joined at Pali, ICAR- CAZRI, in 2002, as Sr scientist, then he became professor at CAU, Imphal, in 2008. He joined ICAR-NRCSS as principal scientist, in 2008 and now the Director, since 2016. In the career spanning 21 years, he has significantly contributed to research, education and technology dissemination and is credited to have developed 25 technologies in fruit crops and 35 technologies in seed spices. Agri- horti cropping systems, developed by him, having integration of arid fruits, vegetables, pulses, henna and seed spices at RRS (CAZRI), Pali and NRCSS, Ajmer, are well appreciated for enhancing resource use efficiency and farmers' income. He has guided 15 students for M. Sc. (Ag.) Horticulture and 01 for Ph. D. (Horticulture) degree. He has published 104 research papers, 125 popular articles, 49 book chapters, 20 bulletins/ manuals, 04 authored and 11 edited books... He has organized 15 national, state and district level seminars, 40 training programmes, 12 farmers' fairs and more than 1200 front line demonstrations. As a President, Vice President and secretary, Dr. Gopal Lal has played an important role in various scientific activities of Indian Society of Seed Spices, Ajmer. He is

Fellow of ISSS, and is contributing in development as member of various committees. He has visited Texas and Florida, USA. As a horticulture expert, he also contributed in planning and policy formulation for agriculture in the state of Rajasthan.

**Address:** Director, ICAR-National Research Centre On Seed Spices, Beawar Road, Tabiji, Ajmer 305206 Rajasthan India, 0145-2684401,2684402(O) 91-145-2684417(Fax) E-mail:nrcss.director@gmail.com, glal67@yahoo.co.in Mobile 09414609649 Website: www.nrcss.res.in, , Res. B-87, Chandarvardai Nagar, Ajmer (Rajasthan)

### 8.257 Dr. Evening Stone Marboh (CF-257)



**Dr. Evening Stone Marboh**, born in Shillong, Meghalaya, on 20th July 1965, completed his BSc Agriculture from Central Agricultural University,,Imphal, MSc Horticulture from GBPUAT, Pantnagar and PhD from IARI, New Delhi. He joined the ICAR Service as Scientist in 2014 at ICAR-NRC on Litchi. Dr. Marboh has made a meticulous contribution in establishing litchi field genebank, cryopreservation of pollens and DNA Bank at NRC on Litchi. He is actively involved in genetic improvement of litchi and longan through hybridization, development of provincial populations, identification of suitable rootstocks, plant architecture management, studying the physiology of flowering and water management. He has contributed in release of high yielding and late cultivars of litchi, viz., Gandaki Lalima and Gandaki Yogita and one high yielding cultivar of longan, Gandaki Uday. He is a Life Member of Horticultural Society of India, New Delhi. He has published 4 research articles 2 review papers and 2 book Chapters.

**Address:** Dr Evening Stone Marboh , ICAR - NRC on Litchi, Mushahari, Muzaffarpur - 842 002, Bihar (India), Mobile:7070993308) email:esmarboh@gmail.com

### 8.258 Dr. Alok Kumar Gupta (CF-258)



**Dr. Alok Kumar Gupta**, a native of Uttar Pradesh, born on 10th August, 1989, completed his Bsc Agriculture from NDUA&T, Faizabad, U.P., MSc Horticulture from CSAUA&T, Kanpur and PhD from BHU, Varanasi. He joined the ICAR Service as Scientist at ICAR-CITH, Srinagar in 2014. Dr. Alok has been instrumental in establishment the field genebank and characterization of temperate fruit crops including apple, almond, walnut, cherry, pear, etc. Then he joined ICAR-NRC on Litchi in 2015 and was associated in crop improvement of litchii. Dr. Alok has immensely contributed in establishing litchi field genebank, cryopreservation of pollens, plant tissue culture laboratory, and DNA Bank. He is actively involved in molecular breeding and genetic improvement through hybridization, development of provincial populations of litchi and longan, identification of suitable rootstocks and plant architecture management. He has contributed in release three cultivars of litchi, viz., Gandaki Lalima, Gandaki Sampada and Gandaki Yogita and one high yielding cultivar of longan, Gandaki Uday. He is a Life Member of Horticultural Society of India, New Delhi and Indian Society of Horticultural Research and Development, Uttarakhand. He has published 5 research articles, 1 review papers and 3 book chapters.

**Address:** Dr Alok Kumar Gupta, ICAR-NRC on Litchi, Mushahari, Muzaffarpur - 842 002, Bihar (India), Mobile: 07091725669 Email:alokguptabhu@gmail.com

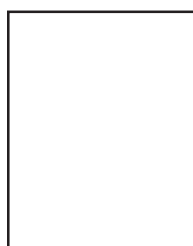
### 8.259 Dr. Prabhat Kumar (CF-259)



**Mr. Prabhat Kumar**, born in the state of Bihar, graduated in agriculture (B Sc (Ag)) and earned his academic education from Banaras Hindu University (BHU) Varanasi. He stated his career as ARS as Scientist in 2010. Currently, he is working at ICAR- NRC on Litchi Muzaffarpur, since 2016. Earlier, he had worked at ICAR- IISWC, Dehradun (UK) and its Regional Station at Datia (Madhya Pradesh). He worked in the field of Agro forestry for developing various soil and moisture conservation techniques to establish Agro forestry trees in Bundelkhand region. He also, studied the impact of adverse climatic conditions on tree establishment for its mitigation in Bundelkhand region. He was a leader in the project of Natural Resource Management for conserving soil and water. In Jigna watershed project at Datia (MP) he was associated in uplifting livelihood security of the people. After joining at ICAR-NRC on Litchi, he has been working on nutrient dynamics in Litchi especially for Litchi cultivated in low lying areas. He is life member of Indian Journal of Soil Conservation, Dehradun, Uttarakhand. He has published papers in peer reviewed journal

**Address:** Mr. Prabhat Kumar, NRC on Litchi, E.Mail: prabhat.ssac@gmail.com

### 8.260 Dr. Major Singh (CF-260)



**Dr Major Singh**, Born on June 20, 1960. graduated (B Sc(Ag)) from Gorakhpur University, in 1980, earned his M Sc Ag from GB Pant University of Agriculture and Technology, Pantnagar, in 1983, and Ph.D in Genetics and Plant Breeding, from CCS University, Meeruth, in 1999. In the career spanning 30 years, he served in ICAR in various capacities (Scientist at ICAR Research Complex for NEH region, Shillong, 1984-94, Sr Scientist, 1999-2007, Principal Scientist, 2007-15, Head, 2010-215 Project Coordinator, 2015-17 Director, 2017-till date). Presently he is working as Director, DOGR, Pune. In his career he significantly contributed to genetic resource management, development of cultivars and application of biotechnological tools for the improvement in vegetables. He is credited to have collected 300 new germ plasm, of which, 12 are registered with NBPGR for unique traits. He maintained and characterized 5229 accessions of vegetables. He was associated with the development of 2 hybrids, Kashi Sandesh and Kashi Komal, 2 varieties Kashi Taru and Kashi Prakash, In brinjal, 3 hybrid Kashi Surkh, Kashi sinduri, Kashi gaurav and a variety Kashi Anmole in Chilli; 2 varieties, Kashi Shakti and Kashi Mukti in pea, a hybrid Kashi Abhiman and a variety Kashi Aman, in tomatoes and a variety, Kashi Param, in french bean, which are popular among the farmers. He has also developed transgenic lines in brinjal and tomato, using *Cry 1Ac* gene construct for resistant to shoot and fruit borer, He further developed transgenic lines in tomato using *AtDREB1A* and *BcZAT12* gene constructs for water-deficit and multiple abiotic stress tolerance, Dr Singh, Started marker assisted breeding in tomato and pyramiding of genes Ty1, Ty2 and Ty3 to develop durable resistant varieties against Ty LCV. Developed mapping population in tomato, brinjal and chilli for gene tagging and QTL mapping. Identified molecular markers for genetic purity of hybrids developed by IIVR in tomato, brinjal and chilli. Dr Singh has published more than 140 articles in various National and International Journals and guided 5 M.Sc. and 13 Ph.D students. Authored three books i.e Heterosis in crop plants, Legume vegetables and Biotechnology in crop improvement, a concepts and a manual. He is recipient of several awards, including ICAR Team Award for outstanding contributions in the field of vegetable breeding, Rajiv Gandhi National Award from Ministry of Home Affairs; Dr. Harbhajan Singh Award for outstanding research, and Certificate of merit by Seed Research He is a member of many scientific Societies. He visited International Agricultural

Centre (IAC), Netherlands, CARP, Srilanka, RAAS, Russia, University of Cornell etc. He formulated a project in eggplant under ABSP-II programme of University of Cornell to manage the fruit and shoot borer. As a consultant he provided training and guidance to the research workers of Srilanka for developing hybrids in vegetable crops. Dr Singh has significantly contributed to infrastructure building and coordination of programme, as member and chairman, of various committee and is now providing leadership in onion and garlic, as a Director of DOGR, Pune.

**Address:** Director, Directorate of Onion and Garlic Research, Rajgurunagar,, Pune,  
Email singhvns@gmail.com Mobile:91-9451579735 (M)

#### 8. 261 Dr. Bhongle Sudhir Jagannath (CF-261)



**Dr. Bhongle Sudhir Jagannath**, born on 17<sup>th</sup> July, 1965, in village Jejuri, Taluka Purandhar, district Pune, obtained his Bachelor of Commerce (B.Com), and Communication and journalism, in 1985 and 1986, respectively, from the Pune University, Pune. He earned his Masters, MA Economics, 1988, MA, Political Science, 1990, M.Phil, 1993, PhD, 1997 and Post Doctor (D.Litt.), 2007, from Pune University. He started his career in December, 1985, as a chief reporter in Marathi daily magazine (Sakaal) and continued till December, 1998. In 1999, he became a free lance journalist and columnist, writing on agriculture, water, cooperation, rural development, sugar

business and fruit processing, and continued till 2008, covering his subject in most of the leading papers and magazine in Maharashtra. Then he joined as editor of Rashtravadi magazine, Mumbai in 2008. He is continuing his services there besides writing columns in magazines and books. He has published more than 10 books, to name the few are: Agriculture in Israel, 1984, Politics of Water, 1988, Krishi Chintan, 2003, Panidar, 2004, Vikash Wata, 2005, Krishi Water Dispute, 2006, Jal-Chintan, 2008, Badal Mala 2010, Intended Dispute, 2013, and Appulachi Vad Appanashi, 2013. He has also edited many books which includes, Green Revolution- second chintan, Aar paar, Bikat Wati Najuk Dhat, Zep etc. For his exemplary work on dissemination of knowledge for the benefit of farmers, he has been conferred with many awards. His book on politics of water got Padam Shree Vittahalrao Vikahey Patil award in 1998. He has been awarded for his excellence in journalism by the Government of Maharashtra. He is also recipient of Krishi Bhushan Award, from Govt. of Maharashtra, 2006 and Linkraj Das memorial trophy from IWWI, for community participation for water management. Dr Bongle, in his career spanning 30 years, has delivered more than 2500 lectures on the subject of agriculture, water, rural development and environment. He has also been a member in the various important committees, namely Water Conservation Committee, Agriculture Price Commission and Education Committee. He is widely travelled and has visited abroad, especially Israel. He is sharing his knowledge and thoughts for the development of agriculture and livelihood of people.

**Address:** 10, Yojangandha Society, Paud Road, Kothrud, Shreepati Surat Path, Shiveteerath Nagar Pune-411023,  
Mob:09823057485; Email:diliprode@gmail.com; sudhirbhongli@gmail.com

### 8.262 Dr Ranjan K Srivastava



**Dr Ranjan K. Srivastava**, born on April 25, 1968, in Patna (Bihar), is currently the Professor & Head, Horticulture Department, at the G.B. Pant University of Agriculture & Technology, Pantnagar, India. Dr Srivastava earned B.Sc. Forestry degree from Haryana Agricultural University, Hisar in 1991, M.Sc. (Ag) Horticulture from G.B. Pant University of Agriculture & Technology, Pantnagar in 1994 and Ph.D. from Punjab Agricultural University, Ludhiana in 1997. He served as Scientist in Plant Tissue Culture laboratory, Patiala for a year, before joining Pantnagar University as Assistant Professor in 1999. He became Associate Professor, in May 2006 and was promoted as Professor, in May, 2012. In his career spanning 18 years, he has worked on different aspects of Horticulture (Floriculture) including plant tissue culture and improvement, crop production and post harvest technology. He has to his credit 68 research papers, 6 books and 15 book chapters. He has guided 14 M.Sc. and 10 Ph.D. students majoring in Horticulture (Floriculture & Landscaping). He is credited to have established model floriculture and subsequently a state Centre of Floriculture for all the activities in floriculture. He was instrumental in establishing a tissue culture laboratory of the Department. He has been Member Editorial Board of Progressive Horticulture, Associate Editor and then Executive Editor of International Journal of Basic and Applied Agricultural Research for over a decade and is a fellow of Hill Horticulture Development Society besides. Dr Srivastava is also expert member in various committees. He has handled over 8 research projects successfully. He has been instrumental in course curriculum development of Horticulture [Floriculture and Landscaping] at Undergraduate, Master's and Doctoral levels. Dr Srivastava is widely traveled in the country and has visited Singapore, Malaysia, Sri Lanka, The Netherlands, Canada and USA for advanced trainings, participation in Conferences and exposure visits.

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## GUIDELINES OF AWARDS AND FELLOWSHIPS

The Confederation of Horticulture Associations of India (CHAI) is seeking nomination for the Award and Fellowship for the year 2018. The nomination should be submitted to the secretariats on or before 31<sup>st</sup> December, 2018 for the consideration of the committee in prescribed proforma.

### AWARDS AND FELLOWSHIPS

#### CHAI AWARDS AND FELLOWSHIPS

The Confederation of Horticulture Associations of India (CHAI), has instituted various awards and fellowships. **Honoured Fellow** is conferred to distinguished personalities for the leadership, Life Time Achievement Awards and Honorary Fellowships, to recognize the scientists for their contribution and excellence in agricultural sciences, specially horticulture, including biotechnology and environmental sciences. In addition, it was also decided to institute Padma Bhusan Dr. R.S.Paroda Award for Excellence in research. Subsequently, Padamashri Dr. B.H. Jain Award for excellence in dissemination of technology has also been instituted. This award will recognize the outstanding contribution of extension workers and teachers for their contribution in dissemination of knowledge. RamnandanBabu Award for innovative farmers has been instituted to recognize the innovation of farmers. To support the knowledge provided for participation in conference abroad JISL Fellowship has been instituted. These awards/fellowships will be conferred on scientists, entrepreneurs/ innovative farmers based on the merit, as adjudged by high powered committee, once in a year, on the suitable occasion of national or international conference organized or supported by the CHAI or foundation day. The guidelines framed for nomination, selection and conferment of awards and fellowship, as finalized by Board/Directors/Chairman, which are liable to be amended, from time to time, for CHAI Awards and Fellowships are:

#### 1) HONOURED FELLOW OF CHAI

The distinguished personalities, who have provided leadership of par excellence for the development of Indian Agriculture are recognised by conferring **Honoured Fellow Of CHAI**. The awardees should have contribution to the furtherance of horticulture/ agriculture and must have peer recognition at nationally and internationally, in improving the infrastructure, policy and programs of research and development impacting Indian Agriculture. Only nominating in prescribed format will be considered.

- **Eligibility for nomination:** He or she nominated for Honoured Fellow of CHAI should have attained 55 years of age, latest by the last date for nomination, and should be known for his/her contributions nationally and internationally. The period for assessment shall be based on the contributions made in their career up to the year of nomination. The award shall consist of a certificate, citation and plaque of honor.
- **Who can nominate?** The nomination can be made by distinguished scientist working in horticulture/agriculture research and is the Fellow of the CHAI. Selection will be made based on the nominations along with the relevant information with evidence of outstanding contributions of each nominee. Self nominations are not acceptable. The search committee constituted by the Founder and Chairman, CHAI shall submit recommendations for the approval of the Board of Directors/Founder Chairman. This shall be a consensus decision, which will be final.

## 2) LIFE TIME ACHIEVEMENT AWARD

A Life Time Achievement Awards, once in a year, shall be given to selected scientists or research managers for their distinguished services for the cause of horticulture/agriculture research, education and technology dissemination, which has impacted the development in the country. The awardees should have contribution to the furtherance of horticulture/ agriculture and must have peer recognition at nationally and internationally, as supported by the publications, products, processes, cultivars and patents etc. The nomination with bio-data in performa, as given Annexure I will be needed by the search committee.

- **Eligibility for nomination:** He or she nominated for Life Time Achievement Award should have attained 60 years of age, latest by the last date for nomination, and should be known for his/her contributions nationally or internationally. The period for assessment shall be based on the contributions made in life, up to the year of nomination. The award shall consist of a certificate, citation and plaque of honor, and he or she shall be the honorary fellow of confederation.
- **Who can nominate?** The nomination can be made by any scientist working in horticulture research with a distinguished career, and is member of the CHAI. Selection will be made based on the nominations along with the relevant information with evidence of outstanding contributions of each nominee. The nomination can also be sent by Deputy Director Generals, ICAR, Vice Chancellors, ADGs, Directors of Research institutes/ SAU/CAU and Presidents and Secretaries of member societies of the CHAI, in the prescribed format. Self nominations are not acceptable. The search committee constituted by the Founder and Chairman, CHAI shall submit recommendations for the approval of Founder Chairman. This shall be a consensus decision of the committee, which shall be final.

## 3) HONORARY FELLOW OF CHAI

One of the objectives of Confederation of Horticulture Associations of India (CHAI) is to recognize the excellence in scientific research. Thus, from among the member/Fellows are identified with academic excellence in different areas of horticulture/agriculture, adjudged on the basis of outstanding achievements and sustained significant contributions in horticulture/agriculture for honorary fellowship. The nomination can be received from any scientist working in research and development of horticulture, preferably member of CHAI. A maximum of five Honorary Fellows will be inducted in a year. The recommendations of search committee shall be put for approval to the Founder Chairman/Board of Director. The decision of the Founder and Chairman shall be final. The recipient of life time achievement award shall become honorary fellow of CHAI.

## 4) PADMA BHUSHAN DR. R.S. PARODA AWARD FOR EXCELLENCE

This award has been instituted in the name of Padma Bhushan, Dr. R.S. Paroda, by the confederation, in recognition to his contributions in national and international development of agriculture, and his passion for the agricultural research, education, transfer of technology and building the infrastructure for its support. Dr. Paroda is not only adorned with various awards but his commitment is a testimony to create confidence among scientists, who are converting research into knowledge for horticulture/ agriculture and providing policy guidelines. Having occupied national and international position, the contribution of Dr. R.S. Paroda as Director General, ICAR is memorable to all the scientists in the country. He still continues serving farmer's community as the Chairman, TAAS and also Farmers' Commission, Government of Haryana. Therefore, the award is instituted to recognize the scientific excellence in



agriculture, specially horticulture, biotechnology and environmental sciences, Dr. R. S. Paroda award shall be given once in a year, which will consist of a citation, a plaque of honor and a commitment to support foreign travel assistance to actual expenditure or maximum of Rupees fifty thousand, whichever is least, for oral presentation of the paper selected in international conference. The validity of the financial grant will be for a period of 2 years from the date of award announcement. This assistance is nontransferable.

- **Eligibility for nomination:** The scientist not exceeding age of 55 years shall be eligible for nomination on or before the last date of application. The contribution of scientists should be known internationally or nationally in development of cultivars /technology/product/process/ patent developed and duly supported by evidence of publications.
- **Who can nominate?** Selection will be made based on the nominations along with the relevant information (Annexure I) on outstanding contributions of each nominee. The persons/institutions eligible for making nominations for the above awards would be the DDGs, ADGs of ICAR, Vice Chancellor's, Heads of CGIAR centers, Directors/Deans/Joint Directors of ICAR and SAU's/CAU and Presidents of all member societies of the CHAI and fellow of CHAI or person of repute, in the prescribed format. Self nominations are not acceptable. The judging committee constituted by the Founder and Chairman, CHAI shall submit recommendations for approval of the Board of Directors/Founder and Chairman.

#### 5) PADMA SHRI DR. B.H. JAIN AWARD FOR EXCELLENCE IN DISSEMINATION OF KNOWLEDGE

This award has been instituted in the Name of Padma Shri Dr B.H Jain, by the Confederation, in recognition to his contributions in national and international development of agriculture, his passion for knowledge based agriculture, and empowerment of youth and farmers with new technology to make the farming profitable. Dr. Jain is not only adorned with various awards but is a testimony to create confidence among farmers, who are converting adopting the knowledge for improving farm practices. Having national and International recognitions, the contribution of Dr. Jain as enterprising leader for converting unproductive land into a green is un-parallel. He continues serve-farming communities. Therefore, the award is instituted to recognize the extension worker and teacher in agriculture. This shall be given once in a year, and shall consist of a citation, a plaque of honor and certificate. He or she conferred with award shall be eligible to seek financial assistance .The validity of the award for seeking financial assistance will be for the period of two years, from the date of announcement of selection.

- **Eligibility for nomination:** The scientist not exceeding age of 55 years shall be eligible for nomination on or before the last date of application. The contribution of scientists should be known internationally or nationally in development of cultivars /technology/product/ process/ patent developed and duly supported by evidence of publications.
- **Who can nominate?** Selection will be made based on the nominations along with the relevant information (Annexure I and II) on outstanding contributions of each nominee. The persons/institutions eligible for making nominations for the above awards would be the DDGs, ADGs of ICAR, Vice Chancellor's, Heads of CGIAR centers, Directors/Deans/Joint Directors of ICAR and SAU's/CAU and Presidents of all member societies of the CHAI and fellow of CHAI or person of repute, in the prescribed format. Self-nominations are not acceptable. The judging committee constituted by the Founder and Chairman, CHAI shall submit recommendations for approval of the Board of Directors/Founder and Chairman.

## 6) RAMNANDAN BABU AWARD FOR INNOVATION IN FARMING

This award recognizes an innovative skills of a farmer and is named after, Sri Ramnandan Babu Mahmada, Pusa, Samastipur, Bihar who supported his family with very small holding through his innovation. This award is instituted on his name. The award will recognize the innovations in farming for enhanced productivity of land and water generating highest income per unit of land. This award will given once in a year and shall consist of citation, a plaque of honour and certificate. The he or she conferred with award shall be eligible to seek financial assistance for upgradation of Knowledge. The validity of award for seeking financial assistance will be for the period of two years from the date of announce of the selection.

- **Eligibility for nomination:** The farmer not exceeding the age of 55 years shall be eligible for nomination on or before the last date of application. The contribution of farmer should be known internationally or nationally for his innovations in farming as evident from peer recognition awards and documents
- **Who can nominate?** Selection will be made based on the nominations along with the relevant information (Annexure I) on outstanding contributions of each nominee. The persons/institutions eligible for making nominations for the above awards would be the DDGs, ADGs of ICAR, Vice Chancellor's, Heads of CGIAR centers, Directors/Deans/Joint Directors of ICAR and SAU's/CAU and Presidents of all member societies of the CHAI and fellow of CHAI or person of repute, in the prescribed format. Self-nominations are not acceptable. The judging committee constituted by the Founder and Chairman, CHAI shall submit recommendations for approval of the Board of Directors/Founder and Chairman.

## 7) JISL FELLOWSHIP

This is a sponsored fellowship to promote young scientists, entrepreneurs, farmers-the knowledge provider to participate in international conference for the presentation of new innovations. All the members are eligible. One fellowship in a year will be given based on merit. The validity of award for seeking financial assistance will be for the period of two years from the date of announcement of the selection.

- **Eligibility for nomination:** The applicants not exceeding age of 55 years shall be eligible for nomination on or before the last date of application. The contribution of scientists should be known internationally or nationally in development of cultivars /technology/product/ process/ patent developed and duly supported by evidence of publications.
- **Who can nominate?** Selection will be made based on the nominations along with the relevant information (Annexure I and II) on outstanding contributions of each nominee. The persons/institutions eligible for making nominations for the above awards would be the DDGs, ADGs of ICAR, Vice Chancellor's, Heads of CGIAR centers, Directors/Deans/Joint Directors of ICAR and SAU's/CAU and Presidents of all member societies of the CHAI and fellow of CHAI or person of repute, in the prescribed format. Self-nominations are not acceptable. The judging committee constituted by the Founder and Chairman, CHAI shall submit recommendations for approval of the Board of Directors/Founder and Chairman.

## 8) DR. D. P. RAY BEST DISSERTATION AWARD

The Confederation of Horticulture Associations of India (CHAI) wishes to recognize the research of the student at Ph.D. level by conferring best dissertation award based on relevance of topic of research,

quality of research output and outcome and its application in the field of science. This award is given once in two years. The awardees' will receive the certificate, plaque of honour and free subscription of Journal – International Journal of Innovative Horticulture for two years.

- **Eligibility for nomination:** The student who has submitted the thesis and completed the viva voce. The student who has been awarded Ph.D. in last proceeding Year are also eligible.
- **How to apply?** The interested eligible candidates can send their application with full details containing name and address title of thesis, summary along with a copy of dissertation for consideration by Confederation of Horticulture Associations of India (CHAI).

### 9) CHAI BEST PAPER AWARD

This award is instituted to encourage publication of high quality research article in International journal of Innovative Horticulture. The committee examine the paper published in preceding year of award. Committee shall evaluate the published original article and recommend for conferment of award. The recommendations of s committee shall be put for approval to Board of Director /The Founder Chairman. The decision of the Founder and Chairman shall be final. The recipient of award shall be honoured with certificate and Medal . The awardee will also receive two issues of the Journal in which Papers are published.

### 10) CHAI - LIFE TIME RECOGNITION AWARD

The Confederation of Horticulture Associations of India (CHAI) wishes to recognize the life time Contributions of an individual on research, development and extension of specific commodity, which succeeded in achieving unparalleled growth. This shall be given once in a year or as decided by boar of Director or Chairman, as the case may be, and shall consist of a citation, a plaque of honor and certificate. He or she conferred with award shall be eligible to seek financial assistance. The validity of the award for seeking financial assistance will be for the period of two years, from the date of announcement of selection. The awardee shall become the Fellow of CHAI and can avail all the benefits admissible to the Fellow of CHAI.

- **Eligibility for nomination:** The individuals exceeding age of 55 years shall be eligible for nomination on or before the last date of application. The contribution of scientists should be known internationally or nationally in development of cultivars /technology/product/ process/ patent developed and duly supported by evidence of publications for specific commodity and its impact,
- **Who can nominate?** Selection will be made based on the nominations along with the relevant information (Annexure I and II) on outstanding contributions of each nominee. The persons/ institutions eligible for making nominations for the above awards would be the DDGs, ADGs of ICAR, Vice Chancellor's, Heads of CGIAR centers, Directors/Deans/Joint Directors of ICAR and SAU's/CAU and Presidents of all member societies of the CHAI and

### 11) CHAI - APPRECIATION AWARD

The Confederation of Horticulture Associations of India (CHAI) wishes to recognize the Contributions of an individual in his or career for the advancement of technology led development.. with a set goal and objectives, which succeeds in bringing difference in the quality of life of the people. This award shall be given once in a year or as decided by the Boar of Director or Chairman, as the case may be, and

shall consist of a citation, a plaque of honor and certificate. He or she conferred with award shall be eligible to seek financial assistance. The validity of the award for seeking financial assistance will be for a period of two years, from the date of announcement of selection..

- **Eligibility for nomination:** The individuals exceeding age of 45 years or above shall be eligible for nomination on or before the last date of application. The contribution of individuals should be known in development of cultivars /technology/product/ process/ patent developed, reforms, convergence and dissemination of knowledge, duly supported by evidence of publications for specific commodity research or achieving targeted growth in time frame and its impact,
- **Who can nominate?** Selection will be made based on the nominations along with the relevant information (Annexure I and II) on outstanding contributions of each nominee. The persons/ institutions eligible for making nominations for the above awards would be the DDGs, ADGs of ICAR, Vice Chancellor's, Heads of CGIAR centers, Directors/Deans/Joint Directors of ICAR and SAU's/CAU and Presidents of all member societies of the CHAI.

## 12) Fellows of CHAI

Certificate of membership or admission to Confederation of Horticulture Associations of India (CHAI) shall be in the form of Fellow of CHAI. There shall be Corporate Fellowship, Association Fellowship, Institutional Fellowship. NPO Fellow and Individual Fellowship. Two members each have to nominate for membership and right to admission to the CHAI is reserved presently with committee and Board of Directors. This fellowship recognizes the commitment of all the individuals, corporate sector, Institutions, NPO and associations for the furtherance horticulture/agriculture research and development. Decision of the Board of Directors/Chairman shall be final. No representation shall be entertained by the CHAI.

**NOMINATION FORM FOR AWARDS/FELLOWSHIP OF THE CHAI**

**Name of the proposer:**

Phone/Mobile No.:

E-mail:

Address:

**Name of the nominee:**

Phone/Mobile No. :

E-mail:

Address:

Field of specialization of the nominee:

Salient contributions of the nominee:

(Restricted to one page)

Awards and recognitions received by the nominee:

**BIO-DATA OF NOMINEE**

1. Name in full (in capitals):

.....

2. Date of birth and nationality:

.....

3. Field of specialization:

.....

4. Present Position/ Designation:

.....

5. Address: (a) Official:

.....

.....

E-mail: .....

.....

Tel No.....

.....

(b) Residential

Address.....

.....

Mobile No.....

Telephone No.....

.....

6. Academic qualification:

.....  
 .....

7. Employment records:

Positions held.....

Organization/Institution.....

Period.... ..

8. Significant achievements (attach separate sheets restricting to a Maximum of two pages)

- a) Research, teaching and extension achievements in horticulture as evidenced by publications, technologies developed, varieties/products/process/patents etc.
- b) Awards and honors (National and international based on scientific work, Peer reviewed recognitions such as Fellowship, Office bearer of major Academy/Society, Chairman of session or Contribution in organization of important international/national symposia/seminars in relation to horticulture etc.).
- c) Innovations in horticulture
- d) Community activity for the cause of horticulture.
- e) Contribution in quality improvement and export promotion of horticulture.
- f) Continuation of dissemination of technology.
- g) Continuation in teaching and education.

### DECLARATION

I certify that the information given above is correct to the best of my knowledge and belief.

Place:

Date:

Signature of the Nominee



**CONFEDERATION OF HORTICULTURE ASSOCIATIONS OF INDIA  
NEW DELHI (CHAI)  
(An ISO 9001:8002 certified organisation)**

**MEMBERSHIP FORM**

To  
The Chairman  
Confederation of Horticulture Associations of India  
249, Kargil Colony, Dwarka, Delhi - 110075

Sir,

May I request you to kindly enroll me as a Association/Institutional/ corporate/Individual Member of CHAI. I agree to abide by all rules and regulations of the Association. I am enclosing herewith a Cheque\* / Demand Draft/e-transfer (drawn in favour of Confederation of Horticulture Associations of India, New Delhi) for Rs..... as my Subscription Fee. My particulars are given below:

1. Name (Block letters) : .....
2. Address (for society/institute): .....
- Postal Address : .....
- .....
3. Tele No: ..... Fax: .....
4. Email Address: .....
5. Brief bio data( if not enough space please attach: .....
- .....

Signature with date

Nominated by. ....

Signature

For any further corresp.....ondence you may contact to the Founder and Chairman, Confederation of Horticulture Associations of India, 249, Kargil Colony, Dwarka, Delhi – 110078, Phone: (91-11)-28085749,mobile 0-9871450730 or 0-9582898983, Email: confedhorti@gmail.comcnfedamit@gmail.com

Membership Fee: NPO member & Corporate member- Rs. 1,00,000, Institutional Member-Rs. 100,000, Association members. Rs 50,000 Individual Member- Rs. 25000 \*An amount of Rs. 50 should be added in case of outstation cheques as collection charges. For electronic transfer, the IFSC Code is IOBA0001690, MICR code: 110020054, Account number is 169001000009616, Indian Overseas Bank, Dwarka, Sector 10, New Delhi, account name **Confederation of Horticulture Associations of India.**





**Annexure-III****INTERNATIONAL JOURNAL OF INNOVATIVE HORTICULTURE****Guidelines**

The Confederation of Horticulture Associations of India (CHAI), established in the year 2010, has been devoted for the furtherance of horticulture development and has various categories of members including associations, corporate and individual memberships. The Confederation has been partner in organization of national and international conferences including National Symposium on Molecular Approaches for Management of Fungal Diseases of Crop; Global Conference on Meeting the Challenges in Banana and Plantain for emerging biotic and abiotic stresses; International Conference on Coconut Biodiversity for Prosperity; National Conference on Production of Quality Seeds and Planting Material – Health Management in Horticultural Crops; International Conference on Mango and now Global conference on “Horticulture for food, nutrition and livelihood options”, at OUAT, Bhubaneswar from 28-31, May, 2012. The confederation also recognizes services of individuals through various awards such as Dr. R.S. Paroda award for excellence in horticulture.

On the request of members across the country, the CHAI executive council decided to launch a new journal named as International Journal of Innovative Horticulture. The first issue of the journal shall be released at the occasion of General Council meeting to be held at OUAT, Bhubaneswar on 31st May, 2012. The journal shall be published both in hard form and also as open access e-journal. This journal will have peer review from India and abroad. It shall cover different aspects such as Plant genetic resources, Crop Improvement, Biotechnology, Production system management, Protection technologies, Post harvest technology, Secondary agriculture, Marketing and supply chain etc. related to horticulture groups viz. fruits, vegetables, flowers, plantation, spices, tuber crops, mushroom and medicinal and aromatic crops.

The journal will publish full length research papers at an interval of six months initially which will be converted into quarterly publication in the years to come. Besides full length papers, the journal shall cover information on newly released varieties or achievement of high order as short communication and highlights of dissertation for wider coverage.

**Author Instructions**

The International Journal of Innovative Horticulture (IJIH) is a biannual publication of Confederation of Horticulture Associations of India (CHAI). The Journal contains papers on results of original research on horticultural plants and their products or directly related research areas. Its prime function is communication of mission-oriented, fundamental research to other researchers, to professional horticulturists, practitioners, and educators; to promote and encourage the interchange of ideas among scientists, educators, and professionals working in horticulture.

**Manuscript Submission**

Any information that is already in the public domain in a scientific context will be considered published and will not be published again by the International Journal of Innovative Horticulture.

All papers must be submitted online through email to [confedhorti@gmail.com](mailto:confedhorti@gmail.com)

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### Review policy and procedure

Before submission, manuscripts must be reviewed by two colleagues and revised appropriately, with the names of the reviewers included on the manuscript submission form. Manuscripts must be in IJH style to be considered for publication. Submitted manuscripts that do not conform to standards will be returned to authors for correction. Manuscripts submitted for publication are reviewed by Editors who solicits at least two additional peer reviews. The purpose of the reviews is to assure readers that competent, independent professionals have found the published papers acceptable. Some revision is usually necessary after the reviews, and final acceptance generally depends on satisfactory revision. A manuscript will be considered withdrawn if the author will not respond within 2 months to a request for revision.

### Procedure after acceptance

After acceptance of the manuscript, authors will receive an email message from the Editor-in-Chief instructing them to send an email with the final version of the manuscript including figures (as attachment). Send text in Microsoft Word and if you have nonstandard word processing software, submit a Rich Text Format. Preferred formats for graphics are EPS, WMF, TIFF, JPG with high resolution (preferably 200 dpi). Page proofs are sent in PDF format via email to the corresponding author.

### Manuscript Preparation

Your paper must be in the correct format for submission. Please double-space all text. Authors must provide the names and email addresses of five potential reviewers for your paper. They are also asked to give the names of two colleagues who provided an internal review. A manuscript number will assign to each new or resubmitted manuscript; refer to this number in all subsequent correspondence. Upon receipt of a manuscript, the author will be sent an acknowledgment email message indicating the date of receipt and the manuscript number.

The journal accepts publication under following category:

- Full-length research reports
- Reviews
- Variety releases
- Features, colloquia, and workshops
- Reports
- Viewpoints
- Technology and product reports
- Book reviews

Examples of Reference style from different publications

#### Journal article

Vessey, J.K., E.K. York, L.T. Henry and C.D. Raper, Jr. 1988. Uniformity of environmental conditions and plant growth in a hydroponic culture system for use in a growth room with aerial CO<sub>2</sub> control. *Biotronics*. 17:79-94.

#### Book

Gomez, K.A. and A.A. Gomez. 1984. *Statistical Procedures for Agricultural Research*. 2nd Ed. Wiley, New York.

#### Chapter in book

Cull, B.W. 1987. A whole plant approach to productivity research for mango, In: *Mangoes—A review*. R.T. Prinsley and G. Tucker (Eds.). p. 19–28. The Commonwealth Secretariat, London.

**Symposium/meeting proceedings**

Wample, R.L., and T.K. Wolf. 1996. Practical considerations that impact vine cold hardiness. In :Proceedings for the Fourth International Symposium on Cool Climate Enology and Viticulture. T. Henick-Kling et al. (eds.), pp. 23-38. New York State Agricultural Experiment Station, Geneva. Tapia, M.I. 1995. In vitro plant regeneration of grapevine (*Vitis* sp.) hybrid cultivars and genetic transformation through microprojectile bombardment of in vitro-derived axillary buds. Ph.D. Thesis, University of Nebraska, Lincoln, Nebraska.

**Patent**

Garner, I. December 2002. Process for unbalanced wine. U.S. patent 123,456,789.

**Abstract**

Walker, M.A., H. Ferris, and L. Zheng. 2006. Rootstocks with broad and durable nematode resistance. Abstr. Am. J. Enol. Vitic. 57:383A. Reference for Conference/Symposium

### GUIDELINES FOR PEER REVIEWED

Please review the manuscript as you would want one of your manuscripts reviewed. Provide as many constructive comments and useful recommendations as possible. Provide the reasons for your evaluation of the manuscript.

As a reviewer you have the responsibility for providing a constructive, well-reasoned appraisal of manuscripts phrased in the spirit of professional courtesy. For each manuscript you should be able to provide a clear and definite answer to the following questions:

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2. Is the research of adequate significance (new findings, confirms or contradicts other work) to warrant publication?
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The following outline derived from information in the Council of Biology Editors Style Manual may assist you in your evaluation of a manuscript.

#### 1. Title

- i. Is the title appropriate and clear?

#### 2. Abstract

- i. Is it specific and representative of the article?
- ii. Is the motive for the research indicated?

#### 3. Introduction

- i. Identify subject, is the subject of the article clearly identified?
- ii. Orient research to previous concepts and research.
- iii. Is the objective and/or hypothesis important for the area of research?

#### 4. Materials and Methods

- i. Design, is the design appropriate for the purpose of the study?
- ii. Model, is the statistical analysis clearly presented with the most appropriate method for
- iii. treatment comparisons?
- iv. Subject(s), are all plants and chemicals identified?
- v. Materials, are the materials used in study adequate?
- vi. Procedures, is there sufficient detail to enable the reader to duplicate the procedures?
- vii. Methods for observations and interpretation.

#### 5. Results

- i. Are the results presented in a logical sequence to support the hypothesis?
- ii. Are the tabular data summarized or merely repeated in the text?

**6. Discussion**

- i. Interpret data presented in Results in a succinct manner. Are there errors of fact or interpretation?
- ii. Relate findings to previous research. Is the relationship between the results and previous work relevant?
- iii. Has the author cited all and only pertinent literature?
- iv. Reasons for differences in results.
- v. Implications for practical application and future research.

**7. Conclusions**

- i. Are conclusions stated briefly in a logical order?
- ii. Considerable time can be saved by entering spelling corrections, grammatical suggestions, and word rearrangements directly on the manuscript.

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Name of Article Reviewer: Date of Review:

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- i. Major improvement in style or presentation required.
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- iii. Requires major revision and re-review
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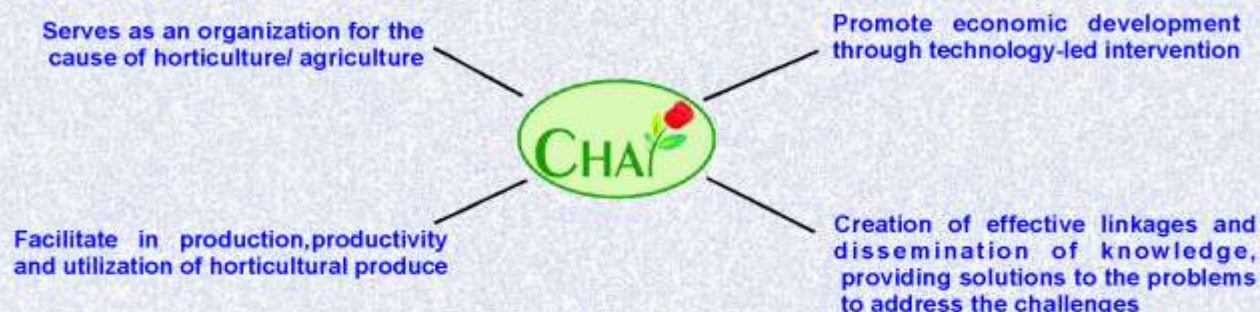
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# CONFEDERATION OF HORTICULTURE ASSOCIATIONS OF INDIA (CHAI)

*Let us join with CHAI for the furtherance of Horticulture*

**Mission:** Bringing synergy among different institutions, associations, corporate sector, non profiting organisations, scientists, experts and entrepreneurs to encourage effective participation of all stakeholders for accelerating the economic growth through technological interventions and human resource development.



## How to Become Member of CHAI

Membership of the Confederation is open to all who are committed for furtherance of horticulture and membership is available on application to the Confederation and payment of the membership fees. Payment can be made by cash/demand draft/multicity cheque in favor of **Confederation of Horticulture Associations of India** payable at par in New Delhi. The certificate of membership will be in the form of Fellow of CHAI, if approved by the Founder Chairman.

## Classes of Membership and Rates

Corporate Member :	Rs 1,00,000
Institutional Member:	Rs 1,00,000
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Individual Member :	Rs 25,000
Foreign Member :	US\$5000

Member shall be privileged to receive **International Journal of Innovative Horticulture** for 15 years free of cost. They shall be eligible to apply for awards of CHAI and also apply for financial assistance for attending international conferences.

## Contact:

Founder Chairman  
Confederation of Horticulture Associations of India  
249, Vijay Veer Awas, Kargil Colony, Sector18-A, Dwarka  
New Delhi - 110078, India  
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