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CONFEDERATION OF HORTICULTURE
ASSOCIATIONS OF INDIA

CHAI Awards & Fellowships 2022



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CHAI

Awards & Fellowships - 2022



CONFEDERATION OF HORTICULTURE ASSOCIATIONS OF INDIA

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Confederation of Horticulture Associations of India
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From the Desk of the Founder and Chairman

Dr. H.P. Singh

Chairman, CHAI

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The year 2020 and 2021 were highly challenging, as whole world was challenged to save the life of people and contain the economic losses. The pandemic made us to think differently for our food, life style and working environment. Work from home, digital dialogues and conferences have become a new normal. In this scenario the CHAI also organised many webinar but the physical conference, which was to be organised in the month of May, 2021 was postponed leading to deferment of the award function. Various awards, to be conferred in 2020 and 2021, were conferred in September, 2021. The **Confederation of Horticulture Associations of India (CHAI)**, established in the year 2010, is committed to the furtherance of Horticultural/Agricultural development through knowledge creation, dissemination and implementation of the programme. The CHAI has brought organisations and individuals on a forum to work together for achieving its goal of technology-led development, and is addressing a concern of food and nutritional security and also livelihood options. Since its inception, the Confederation has partnered and supported, in organising the national and international conferences, and has also organised many workshops and conferences on topical issues. The **International Journal of Innovative Horticulture**, launched in 2012, has completed 10 Volumes (1 and 2 issues) and 11th volume is in process of publication. Besides, the publication of Journal, the CHAI publishes, CHAI-Yearbook, CHAI-Awards and Fellowships, Annual Report, Gyan Manthan, Policy Papers and Proceedings.

The confederation has instituted various awards to recognise the services of individuals, which includes, the **CHAI-Honored Fellow Award**, for exceptionally outstanding contributions and leadership of par excellence, the **CHAI-Lifetime Achievement Award**, for the leader of par excellence in research and development, the **CHAI-Honorary Fellow Award**, for excellence in horticultural/agricultural research and development and leadership, the **CHAI- RS Paroda Award**, for excellence in Horticultural Science, the **CHAI- B H Jain Award**, for excellence in teaching or dissemination of technologies, the **CHAI-Ramnandan Babu Award** for excellence in farming, the **CHAI-JSIL Fellowships** for visit abroad to attend conference and training and the **CHAI-Life Time Recognition Award** for outstanding contributions and providing leadership in specific crop commodity. The **CHAI-Appreciation Award**, for distinguished contributions and excellence in the field of specialisation, the **CHAI-Dr Ray Best Dissertation Award** for excellence in postgraduate research and the **CHAI- Kirti Singh Best Paper Award** for the best paper published in IJH, are also conferred. The **CHAI Fellowship** is provided in different category to individuals and institutions for their commitments in furtherance of Horticulture.

During the year 2020-2021, **CHAI-Honoured Fellow Award** was conferred on **Dr Rita Sharma, IAS**, Former Secretary to GoI., MHRD, (absentia) and **Dr Shailendra Joshi, IAS(Retd)**, Former Chief Secretary, Government of Telangana, for their outstanding contribution and leadership of par excellence. **CHAI- Honorary Fellow Awards** were conferred on **Dr. Chindi Vasudevappa, VC**, NNIFTEM, Sonapat, Haryana; **Dr. Ajoy Kumar Singh, VC**, BAU, Sabour, Bhagalpur (Absentia) , Bihar, **Dr. TejPartap, VC**, G.B.P.U. A. & T, Pantnagar, Uttarakhand, **Dr. Ajeet Kumar Karnatak, VC**, VCSGUUH&F, Bharsar, Pauri Garhwal. **Prof. Arvind Kumar, VC**, RLBCAU, Gwalior Road, Jhansi, U.P, (Absentia), **Prof. (Dr. Nazeer Ahmed**, Former Vice-chancellor, SKUAST,

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Srinagar(Absentia), **Dr. D.R. Singh**, Vice-Chancellor, (CSAUA&T), Kanpur, **Dr. S.D. Sawant**, Vice-Chancellor, BSKKV, Dapoli, **Dr Arvind Kumar**, DDG (Research), ICRISAT, Hyderabad, **Dr B N S Murthy**, Director, IIHR, Bangaluru, **Mr. HaokholetKipgen**, Former Minister, Govt. of Manipur, Senapati, Manipur and **Dr R C Srivastava**, Vice-Chancellor, DRPCAUI, Pusa, Bihar for their contribution and providing leadership of par excellence. The **CHAI - Life Time Achievements Award** was conferred on **Dr. S B Dandin**, Former-VC, UHS, Bagalkot (in absentia) and **Dr.Pallem Chowdappa**, VC, BES & TIU, Anantapur, A.P. **CHAI- B H Jain Award** for excellence in extension was conferred on **Dr.V V Sadamate**, Agril. Extn.Spc.& Former Adv.Agri, PC, GoI., New Delhi, **Dr Soman**, Sr. VP, Jain Irrigation Systems Ltd, Jalgaon, Maharashtra, **Life Time Recognition Award** was conferred on **Dr S K Chakrabarti**, VC, UBKV, West Bengal, **Dr. J. Kumar**, Registrar, CoA, G.B.P.U.A.& T, Pantnagar and **Dr. Chiranjivi Chaudhary**, Chief Conservator of Forest, AP,**CHAI-Appreciation Award** was conferred on **Dr. Anitha Karun**, Director (In-charge), CPCRI, Kasargod, Kerala (Absentia), **Dr. R. Thangavelu**, NRC for Banana, Tirichirapalli, Tamil Nadu , **Dr. Jai Singh Parihar**, P.O. Bopal, Ahmedabadand**Dr. Major Singh**, Director, DOGR, Rajgurunagar, Pune, Maharastra. The **CHAI- R S Paroda Award**was conferred on **Dr. Harshawardhan Choudhary**, PS, Div. of Vegetable Science, ICAR-IARI, New Delhi and **Dr. Sanjay Sahay**, Chairman, BAU, Sabour, Bhagalpur, Bihar (absentia).The **CHAI-JISL Fellowship** was conferred on **Dr. K. Murlidharan**, PS&Head, CPCRI, Kasararagod, Kerala (Absentia), **Dr. Pramod Kumar Gupta**, Joint Director, NHRDF, Pune, Nasik. (Absentia), **Dr. Awani Kumar Singh**, PS (Veg./Hort. Sci.), CPCT, IARI, Pusa, New Delhi, **Dr. Dinesh Kumar**, PS (H), ICAR-CCRI, Nagpur, Maharashtra. **Fellow of CHAI** was conferred on selected nominations from across the country. Various categories of award have been finalised for the year 2022 which shall be conferred on 28th May, 2022 at CSAUA&T, Kanpur,U.P.

The **CHAI** took an initiative to organise **Knowledge Sharing Workshops** at various locations on topical issues involving institution, industry, the farmers and other stakeholders. The Workshop was designed to provide opportunity to all the stakeholders, for sharing the knowledge and it's dissemination for the formulation of policy, which became a guiding principles for achieving goal and objectives of smart horticulture. Deliberation in workshop on the issues in the thematic areas provided more time for discussions to arrive at logical conclusion. In past, 11 workshops have been organised, besides, supporting conferences, symposia and Sangosthi, at different locations with various themes to catalyse the efforts of farmers, which have succeeded in empowering farmers with new knowledge and providing policy frame work.

During the year 2021, CHAI supported and partnered in Global Conference on **Innovative Approaches for Enhancing Water Productivity in Agriculture Including Horticulture**, organised by ASM Foundation, New Delhi at PJTSAU, Rajendranagar, Telangana, which was a great success in terms of participation, technical contents and outcome. Kisan Sangosthi at Pusa held on 3rd September was also supported. The Chairman, Dr. H.P. Singh, delivered a keynote lecture on micro-irrigation, horticulture and innovation at various conferences. The lecture attracted lot of discussion. Dr. Singh was Chief Guest and the Guest of Honour in many conferences. The year 2020 and 2021 were highly challenging and the conference to be organised was deferred. However conferences were organised on line on Zoom or Meet platform.A webinar “New Paradigms in Production and Utilisation of Fruits and Vegetables for Health and Livelihood” was organised by CHAI on 11th February, 2021 to commemorate International Year of Fruits &Vegetables(IYFV) by UN. The webinar was inaugurated by Honourable Agriculture Minister, GOI and Valedictory Address was delivered by Shri Ramesh Chand, Member Niti AAyog.

The CHAI has also developed MoU with Dainik Jagran for effective outreach and technological up-gradation and work as knowledge partner. Recognising the role of CHAI in transforming Horticulture/ Agriculture, there has been an overwhelming responses and the fellowships have reached to 394, including Institutional and Corporate Fellows. The growing interest for joining hands with CHAI from corporate, institutions, societies and individuals has buildup confidence to serve the community for achieving the

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mandate of the confederation, is highly encouraging. I am confident that the CHAI shall emerge as an organisation to make us proud, to be its fellow, for the furtherance of agriculture/horticulture. I congratulate all the awardees of CHAI. I express my heartiest thanks to all the fellows for their effective cooperation. I thank all, who helped in bringing out this both CHAI Award and Fellowships. I am sure for the continued support of all the Fellows. I have pleasure in presenting the CHAI Award and Fellowships-2022, 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. This gives me a hope that we will succeed in physical conference. Let us pray together for the well being of mankind in years to come. We will be provided with all the strength by the God to face all the situation with brevity

H.P. Singh
The Founder and Chairman

About the CHAI

Confederation of Horticulture Associations of India (CHAI), an ISO- 9001:2008 certified non- profiting 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, facilitating and converging policies at the grass root level for sustaining integrated development nationally and internationally, is emerging as a think-tank as well as a consultative body. 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 innovations in facilitating the development of rural economy and promote development of rural India, in the global context and dimensions. The CHAI is also committed for capacity building at all levels and 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 organises various national/international/global conferences and workshops for the exchange of informations 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, reviews, articles and case studies, is brought out six monthly. To promote innovative ideas, the CHAI has instituted many awards which inspire individuals and team for the innovations and excellence. The CHAI offers various categories of Fellowships i.e. organisation, associations, corporate, 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

Development of agriculture/horticulture by providing strategic solutions to the problems, utilising the services of talented experts in the field of agriculture/ horticulture, and disseminate the knowledge.

Vision

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

To play a catalytic role, in addressing a concern of food and nutritional security and also livelihood options, 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.

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- 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, Governmental and Non-Governmental organisations.
- To establish education and training institutions for human resource development and skills upgradation 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 capitalise 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 have been 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, CHAI-Honoured Fellowship for leadership of par excellence, the CHAI-Life Time Achievement Award for distinguished life time contributions in horticulture, the CHAI-Honorary Fellowship for noticeable contributions and commitment to furtherance of horticulture, the CHAI-Dr. R. S. Paroda Award for excellence in research and academics, the CHAI-Dr. B.H. Jain Award for excellence in transfer of knowledge and diffusion of technology, and the CHAI-Ram Nandan Babu Award for excellence in farming. The CHAI-Life Time Recognition Award has been instituted to recognise outstanding contributions and providing leadership in specific crop commodity. The CHAI-Appreciation Award is given for distinguished contributions and excellence in the field of specialisation. To encourage the students, the CHAI has instituted the CHAI-Dr. Ray Best Dissertation Award in recognition of significant post graduate research work. CHAI-Best Paper Award is given for scientific article published in International Journal of Innovative Horticulture (IJIH). CHAI Fellowship is conferred to subscribers for their commitment in furtherance of agriculture/horticulture. The CHAI-JISL Fellowship is provided for training abroad to meritorious fellows. During the year the CHAI instituted Achiever's Award to recognise the fellow who excelled in their career and reached to the level of Vice Chancellor or equivalent owing to outstanding contributions and leadership quality. A CHAI- Associate Fellow was also instituted to recognise meritorious and young upcoming scientist. Considering the needs for dissemination of science based knowledge among scientists for the furtherance of agricultural/ horticultural science, an International Journal of Innovative Horticulture (IJIH) is also being published besides newsletter, books, annual report, CHAI Year Book and Gyan Manthan, which have over whelming response.

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.
- 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 seeds and planting material production and above all coordination, planning and execution of project and its final s evaluations.

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- More than 325 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 Bengaluru and to attend to all the types of work for business solution options.
- The CHAI is also a non-profiting company, and has established network with institutions, academy, corporate, business house, NGOs and also International organisations.
- 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

The Confederation has catalysed the development of Horticulture through partnering in activities of conference organised on various 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**, 11-14th, March, 2010 New Delhi; **National Conference on Horticultural Bio-diversity for Livelihood, Economic Development and Health Care**, 28-31st, May, 2010, Bengaluru; **International Conference on Coconut Biodiversity for Prosperity**, 25-28th, October, 2010, Kasargod, Kerala; **Global Conference on Meeting the Challenges in Banana and Plantain for Emerging Biotic and Abiotic Stresses**, 10-13th, December, 2010, Trichy, Tamil Nadu; **National Symposium on Molecular Approaches for Management of Fungal Diseases of Crop Plants** 15-20th, December, 2010, Bengaluru; **National Conference on Horti Business-Linking Farmers with Market**, 28-31st May, 2011, Dehradun, Uttarakhand; **Global Conference on Augmenting Production and Utilization of Mango: Biotic and Abiotic Stresses**, 21-24th, June, 2011 Lucknow; **Global Conference on Horticulture for Food, Nutrition and Livelihood options**, 28-31st, May, 2012, Bhubaneswar; **National Conference on Sub-Tropical Fruits**, 9-12th, January, 2013, Navsari, Gujarat; **Brain Storming Session on Nano-Bio-Information Technology for the Development of North Western Himalayan States**, 12-13th, July, 2013, Pantnagar, Uttarakhand; **National Workshop on Urban and Peri-Urban Horticulture**, 21st December, 2013, Navsari, Gujarat; **National Conference on Value Chain Management in Mango**, 20-22nd, March, 2014 Kolar, Karnataka; **Global Conference on Technological Challenges and Human-Resource for Climate Smart Horticulture- Issues and Strategies**, 20-31st, May, 2014, GAU, Navsari, Gujarat; **National Conference on Dynamics of Urban and Peri-Urban Horticulture**, 21st October, PHD house, New Delhi; **National Conference on Dynamics of Smart Horticulture for Livelihood and Rural Development**, at MGCGV, Chitrakoot, Satna, Madhya Pradesh, 28-31st May, 2015. The CHAI was a Knowledge Partner in Smart Agriculture-Geo Agri with the theme Technologies empowering Indian Agriculture organised at NOIDA on 2nd -3rd March 2016. The Confederation supported the conference organised on Pomegranate, at JISL, Jalgaon, April, 2016. The CHAI partnered a **Global Conference on Challenges and Options in Agriculture** organised at Jain Hills, Jalgaon, Maharashtra, on 28-31st May, 2016, The CHAI supported the organisation of two days **conference on pomegranate** at Jain Hills Jalgaon, on 16-17, April, 2016. The CHAI facilitated the organisation of **Kisan Sangosthi, on 3rd September** at Mahmada and 1st November at Dholi, Muzaffarpur. In the year 2017-18, CHAI supported the organisation of a **National Conference on Technological changes and innovations in Agriculture**, organised at JAU, Junagadh, Gujarat 28-31st May, 2017. **Knowledge Sharing Workshop on Tropical Fruits-banana and pomegranate** was organized at Hotel Masineni Grand, Anaparamu, A.P., on 5th November, 2017. The **National Conference on Challenges and Options in Litchi Production and Utilisation**, 6-7th June, 2017, Muzaffarpur

was organised a **National Workshop on Technological Changes and Innovations in Potato and Pomegranate-Production for Utilization for Enhancing Farmers' Income**, was organized at Deesa, Banaskantha, Gujarat, October 06, 2017. The Chairman, as the Chairperson of ASSOCHAM Council on Agriculture and Food Security organised many meetings and conferences and chaired meetings, where CHAI was highlighted for its contributions. National Conference and Awards Function - **Organic World – Advantage India** was organised on 21st March, 2018, at Hotel Meredien, New Delhi, by the ASSOCHAM in association with Ministry of Agriculture and Farmers' Welfare. The CHAI supported and partnered in **National Conference on Intensification and Diversification of Agriculture for enhancement of income and livelihood**, at RAU, Pusa, Samastipur, Bihar, 28-31, May, 2018. In the year 2019, the CHAI supported and partnered an **International Conference on Innovative Horticulture and Value Chain Management – Shaping Future Horticulture**, organised at Pantnagar, Uttarakhand, 28-31, May 2019 by ASM Foundation, New Delhi. In the year 2020, the CHAI partnered a Webinar on **Post Pandemic (COVID-19) Challenges and Options in Agriculture including Horticulture** organised by ASM Foundation, New Delhi, on 28th May, 2020. The webinar was a grand success in terms of participation and outcome. CHAI also patterned in organising the conference by ICFA, New Delhi, CNRI, New Delhi, and CALIDA, India. In 2021. CHAI could organize a webinar “New Paradigms in Production and Utilisation of Fruits and Vegetables for Health and Livelihood” organised by CHAI on 11th February, 2021 to commemorate International Year of Fruits & Vegetables (IYFV) by UN which was a grand success and more than 200 stakeholders could participate. The CHAI had partnered in organizing a **Global Conference on Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture**, organised at PJTSAU, Rajendranagar, Hyderabad, Telangana from 16-19 September, 2021. During the year 2022, CHAI is partnering and supporting a **National Conference on Climate Resilient and Sustainable Development of Horticulture** being organized at CSAU&T, Kanpur, Uttar Pradesh from 28th to 30th May.

Conferences/Workshops Organized

The CHAI has been organising workshop on the topical issues. First workshop organised by the CHAI was on **Urban and Peri-Urban Horticulture, Bangaluru**, on 2nd March, 2013 with the theme—Greening the cities, utilising the waste, meeting the needs and servicing the environment. The workshop deliberated issues and concluded adoption of Bangalore Declaration for catalysing the Urban and Peri-Urban Horticulture. In the year 2014 on 1-2nd March, CHAI organised a **Knowledge Sharing Workshop on Tropical Fruits- Value Chain Management for Enhancing Farm Profitability**. An **International Conference on Floriculture and Landscape Gardening –Challenges and Opportunities**: was organised at Pune on 27th February. The CHAI organised a National Workshop on Quality Production of Banana for Export and Domestic Market, 29th May 2016 at Jain Hills Jalgaon. A workshop on **Dynamics of Challenges and Options in Integrated Aquacultures**, was organised on 2nd November, 2016 at Patna, One day **National Workshop on Technological Changes and Innovations in Pomegranate Production and Utilization for Enhancing Farmers' Income**, was organised on 26th September, 2016, at JAU, Junagadh, Gujarat,. With the similar objectives and theme, one day **Workshop was also organised at Agriculture University, Jodhpur, Rajasthan, India** on 10th 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. The CHAI organised a two days National Conference on **Perspective of Challenges and Options in Maize Production and Utilization**, 3-4th March 2017 at DRPCA, Pusa, Samastipur, Bihar. **National Workshop on Technological Changes and Innovations in Potato and Pomegranate-Production & Utilization for Enhancing Farmers' Income**, was organized at Deesa, Banaskantha, Gujarat, October 06, 2017. A **National Conference on Challenges and Options in Litchi Production and Utilisation** 6-7th June, 2017, Muzaffarpur were organised. A **Knowledge Sharing Workshop on Tropical fruits-Banana and pomegranate**,

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was organised at Anantpuram, 5th November, 2017, 11th in series. **A national webinar on National Education Policy – Perspective and Prospect in Agri**, was organised in September, 2020 in association with MPUAT, Udaipur, which brought out the fact that the NEP is innovative and needs to be opted in agriculture. A webinar on International Year of Fruits and Vegetables, 2021 on the topic **New Paradigm in Production and Utilisation of Vegetables**, was organised by the CHAI on 11th Feb., 2021, in association with Dhanuka Agritech. The webinar had participation of honourable minister of Agriculture and Farmers' Welfare, Member, NITI Aayog, DDGs, Vice Chancellor, Scientists, Farmers and students. Beside, the CHAI also supported webinar organised by various institutions. The Chairman delivered keynote lecture, chaired technical sessions and also moderated the conferences. These activities received all the appreciations for the CHAI, which may go a long way in achieving the Goal. A **National Workshop** was also organized on **Innovative Approaches for Enhancing Water Productivity in Dry Land Eco-system**, 29th Sept., 2021.

Meetings of Board of Director and General Council Meeting

1. To review the technical and financial progress, the Board of Directors meets as per the needs, at least, 4 times in a year. General Council meets is held once in a year on 28th or 29th May. First Executive Council and General Council meetings were held on 29th and 30th May, 2012, respectively, and distinguished fellows were honoured with CHAI Fellowship for their commitment to furtherance of horticulture, and various awards were conferred. Second Executive Council and General Council meeting were held on 29th 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. The **Council authorised 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 29th May 2014, where in fellowships were conferred to all the members, who joined CHAI in 2013-14. 4th Annual General Council Meeting was held at MGCGV, Chitrakoot, Satna, Madhya Pradesh on 29th May 2015. 5th AGCM of CHAI was held at JISL, Jalgaon, 28th May, 2016. The 6th AGCM of the CHAI was held at JAU Junagadh, 28th May, 2017. 7th AGCM of the CHAI was held at DRPCA, Pusa, Samastipur, Bihar on 28th May, 2018. Dr. A.K. Srivastava was the Chief Guest. Awards and Fellowships were conferred to individual and Institutions, for their contributions. Fellowship for attending IHC, 2018 was also announced. The overall progress was very much appreciated. 8th AGCM of CHAI was held at GBPUAT, on 28th May, 2019, where in Dr C D Mayee, Patron, CHAI was the Chief-guest. Award and Fellowships were conferred on individual and institutions. Report of secretary and financial reports were presented and approved, All fellows including the chief-guest appreciated the progresses and authorised the chairman to take up all the activities as he deems it fit. The 9th and 10th AGCM of CHAI was held at PJTSAU, Hyderabad, Telangana. Dr. S.K. Pattanayak, Former Secretary, Ministry of Agriculture and Farmers' Welfare was the Chief Guest. The meeting reviewed the progress and financial status. The corpus has reached to Rs. 90 lakh. The progress was appreciable. Selected candidatures were given various awards. This year to recognise the excellence in career of fellow of CHAI were conferred. Achievers award to selected candidatures. Various awards and fellowships were conferred to selected nominations.

Participation in Exhibitions

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

Institution of Awards and Fellowships

To recognise the contributions 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 the **CHAI-Honoured Fellow**. The **CHAI-Life Time Achievement Award** is given for outstanding contributions, in research and development of horticulture. The distinguished members are also honoured with the **CHAI-Honorary Fellow**, for their excellence and commitment to furtherance of horticulture. The **CHAI-Dr. R.S. Paroda Award** is given for excellence in science and technology, The **CHAI-Dr. B H Jain Award** recognises an excellence in knowledge empowerment and dissemination and the **CHAI-Ram Nandan Babu Award** recognises innovative farmers for their excellence in farming, the **CHAI-JISL Fellowship** is given for visit abroad to attend conferences and training. The **CHAI-Life Time Recognition Award** is given for outstanding contributions and providing leadership in specific crop commodity, The **CHAI-Appreciation Award**, is given for distinguished contributions and excellence in the field of specialisation. The **CHAI-Dr Ray Dissertation Award** is given for Best Dissertation at master's level and the **CHAI- Dr Kirti Singh Best Paper Award** is given for the best scientific article published in IJIH. The distinguished members including institution with the commitment to the furtherance of horticulture are conferred with Fellow of CHAI in different categories. During the year Achievers' Award was also instituted to recognize the excellence in career of CHAI Fellow. A fellowship – Donar fellow has also been stated to recognize the enterpreneur in agriculture.

PUBLICATIONS

International Journal of Innovative Horticulture

Considering the needs for dissemination of science based knowledge among scientists for the furtherance of horticultural science and 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 Original Research Articles, Reviews, Case studies, New cultivars and technologies, Commentaries and opinions, Policy issues, Abstract of Ph.D. thesis, Book Reviews, Features, Colloquia and Workshops. The 13 volumes have been published and the NAAS also enlisted the Journal and its NAAS rating for the year 2022 is 3.40. The publication of Volume 11 (1), 2022 is in process.

MoU Development with Organisations

The CHAI has also developed MoU with Dainik Jagran for effective outreach and technological up-gradation and work as knowledge partner.

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, organisations and societies/associations subscribing to the objectives of the CHAI by donation ranging from Rs.35000 to Rs.1,50,000/-. 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.

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- 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 subscription, 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 awards including Dr. R.S. Paroda, Dr. B.H. Jain award, Ram Nandan Babu Award and any other awards instituted by CHAI.
- 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 constituted by 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 - 2022

1.0 CHAI-HONOURED FELLOW AWARD

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

1.1 CHAI-HONOURED FELLOW AWARD-2022

1.1.1 PROF. A.K. SRIVASTAVA (CF-233)



Prof. (Dr.) A.K. Srivastava is a distinguished Veterinary and Animal Scientist. Presently he is Chairman of Agricultural Scientists Recruitment Board (ASRB), Ministry of Agriculture and Farmers Welfare Govt. Earlier, Prof. Srivastava was the Director and Vice Chancellor of ICAR-National Dairy Research Institute, Karnal. Prof. Srivastava has also served as Dean Faculty of Veterinary Science and Animal Husbandry, Director Resident Instructions & Dean, Post Graduate Studies, Head of the Department, Controller of Examinations in different Agricultural Universities. He is graduate from Veterinary College Mathura. He obtained Ph.D. from PAU Ludhiana and Post Doctorate (PDF) from Institute of Toxicology, Munchen, Germany. Prof. (Dr.) Srivastava is recipient of Degree of Doctor of Science (D.Sc. Honoris Causa) from Veterinary University Mathura and Veterinary University Jabalpur.

Presently, Prof. Srivastava is President of National Academy of Dairy Science (India) and Patron of Indian Dairy Association. He is President of Association of Mastitis and President of Probiotic Association of India. Earlier Prof. Srivastava was Vice President and also Secretary of National Academy of Agricultural Sciences (NAAS). He was also President of Indian Society of Veterinary Pharmacology and Toxicology, Chairman Indian Dairy Association, Member of International Dairy Federation and Chairman, FAD 19, Bureau of Indian Standard (BIS), Govt. of India. Dr. Srivastava is Founder Authority Member of "Food Safety and Standard Authority of India (FSSAI)". Prof. Srivastava is a distinguished Member of National Academy of Sciences. He is fellow of National Academy of Agricultural Sciences, National Academy of Dairy Sciences and National Academy of Veterinary Sciences. He is also fellow of Punjab Academy of Sciences and fellow of Uttar Pradesh Academy of Agricultural Sciences. He is also fellow of 10 other National Scientific Societies of Veterinary and Animal Sciences. He is Chairman, R&D Committee of Ministry of Food Processing Industries Govt; Member, Board of Governing Council of "Agriculture Skill

Council of India”, Ministry of Skill Development GoI; and Member Advisory Committee of Indian Institute of Packaging, Ministry of Commerce and Industries, GoI. He is Member, Board of Trust for “Advancement of Agricultural Sciences”. Earlier Prof. Srivastava has also served as Secretary, Vice President and President of Indian Agricultural Universities, Vice Chancellors Association, Chairman DBT Task Force on “Biotechnological Approaches for Food and Nutritional Security, and also of Task Force on “Animal Biotechnology”. He has also served as Member Governing Board of National Institute of Animal Biotechnology, DBT Govt. of India;

Dr. Srivastava has been decorated with numerous prestigious awards and honours including some most important, ICAR Jawaharlal Nehru Award, International NOCIL Award, National Alarsin Awards in 1987-88 and in 1999-2000, ASET Gold Medal, German Academic Exchange Award, Gold Medals of Indian Science Congress Association, National Education Award 2016 and many more. He has been conferred the “Life Time Achievement Award” by the Indian Society for the Study of Reproduction and Fertility, Society for Community Mobilization for Sustainable Development and Indian Society of Buffalo Development. He is recipient of Dr. B.D. Garg outstanding Pharmacologist Award, Dr. V. Kurien Memorial Award, Chellappa Memorial Oration Award, Mansinhbhai Memorial Oration Award, Dr. Sunderasan Memorial Award, Prof. S.C. Mandal Memorial Oration Award, Dr. Rao Memorial Oration Award and Prof. S. Kannaiyan Memorial Award by National Academy of Biological Sciences. Prof. Srivastava was also Chairman of working group of Planning Commission on “Animal Husbandry and Dairying” for XIIth Five Year Plan and Chairman for Mid Term Evaluation of XIth Five Year Plan. He led the DST-India delegation to New Zealand. He also represented India and was Chairman/Member of Indian scientific delegation to Kansas University, USA, Belgium, Dubai, Ethiopia, Pakistan, Sri Lanka, Hong Kong, Nairobi, UK, Australia, New Zealand, Bangkok, Michigan State University, USA and many more countries. He has published more than 250 research papers 10 books and 12 “National Policy Papers” and has guided more than 25 PhD and post graduate students.

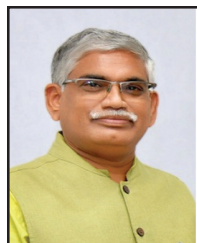
Address: Prof. (Dr.) A.K. Srivastava, Chairman, Agricultural Scientists Recruitment Board, Krishi Anusandhan Bhawan-I, New Delhi-110012; Mob. 09466592661, Off. Tel. 011-25842536; Email: memberasrb.as@gmail.com; aksrivastava.asrb@gmail.com

2.0 CHAI-LIFE TIME-ACHIEVEMENT AWARD

The CHAI-Life Time Achievement Award recognises an outstanding contributions, 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 CHAI-LIFE TIMEACHIEVEMENT AWARD-2022

2.1.1 DR. T.JANAKIRAM (CF- CF-0031)



Dr. Tolety Janakiram born on 30th August 1962 is presently serving as Vice-Chancellor, Dr YSR Horticultural University, Venkatramannagudem, Andhra Pradesh. He completed B.Sc. (Ag) from erstwhile APAU, Hyderabad and M.Sc., Ph.D. in Horticulture with specialization in Vegetable Science from premier Indian Agricultural Research Institute, New Delhi. He served ICAR-Indian Institute of Horticultural Research (IIHR), Bangalore over 20 years and served as Head, Division of Floriculture and Landscaping at ICAR-IARI, New Delhi during 2009-2014, Assistant Director General (Hort.Sci), ICAR during

2014- June 2020. As an accomplished Plant Breeder at IIHR, Bangalore, Dr. Janakiram was responsible for the development and release of 6 China aster, 10 Chrysanthemum, 10 Gladiolus varieties and 4 hybrids of Tuberose and 5 gladiolus varieties and 5 chrysanthemum varieties at IARI, New Delhi. He was actively involved in breeding flower crops and protected cultivation research in ICAR Network project and NATP. His research efforts have gained popularity through the wide spread adoption of the varieties delivered by him. China aster varieties need special mention for their popularity gained in Andhra Pradesh with the support of the Netherlands assisted project APWELL. As a PG teacher, he taught courses in breeding of flower crops in UAS, Bangalore and IARI, New Delhi and guided 2 Ph.D and 8 M.Sc Students at IIHR, Bengaluru and IARI. He was a member of Academic Council, PG School, IARI. He is also responsible for introducing new courses on specialty flowers and planting material production in ornamental crops.

Dr. Janakiram has training in molecular biology, protected cultivation sponsored by Indian National Science Academy (INSA), German Scientific Foundation and MNSHAV Centre for International Cooperation Fellowship Programme, Israel. His contribution has earned him many awards to name a few are PNASF Gold medal Award, 2008, HSI Gold Medal 2009, ISOH Lotus Puraskar, 2010, Distinguished Scientist Award 2012 Hi-Tech Horticultural Society, CHAI-Dr. B. H. Jain Award for excellence, 2013, Best Scientist award 2013 by Young Farmer Association, Punjab and Life Time Achievement award- 2014 by Hi-Tech Horticultural Society. Dr. Goutam Kalloo Award for Excellence in Horticultural Research 2018, Society for Horticultural Research and Development and AIKGA-Medal 2018, All India Kitchen Garden Association, New Delhi. **Life Time Achievement Award 2020**, Society for Recent Development in Agriculture. He is recipient of the **IAHS Fellow** Indian Academy of Horticulture Science, New Delhi, **ISVR Fellow**, Indian Society of Vegetable Research, Varanasi, **ISOH Fellow**, Indian Society of Ornamental Horticulture, New Delhi. He is Member of the Academic Council of SKLTSHU, and PJTSAU of Telangana, Board Member of UHS Bagalkot, Karnataka, Member of the Scientific Advisory Committee of the PPV&FRA, Member of Plant Asian Productivity Council APO, Tokyo, General Secretary of Society for Promotion of Horticulture, Bangalore, Member of Implementation of Organic farming in the Andhra Pradesh, Member of National Beekeeping & Honey Mission (NBHM) in Andhra Pradesh, Member, Editorial Board, Indian Horticulture. He served as an expert for horticulture in Farmers' need assessment survey conducted by Agri-Biotech Foundation, Andhra Pradesh under the Netherlands Biotechnology Programme. He is Vice President of Indian Society of Ornamental Horticulture, Rose Society of India, New Delhi and Vice President of The Orchids Society of India. He also acted as liaison officer for the Parliamentary Standing Committee on Agriculture and Focal point for SAARC meetings from India. Under his leadership Dr. Y.S.R. Horticultural University got Second Position in P.G. Scholarship award in ICAR-All India Entrance Examination during 2019 and 2020. Also, University bestowed with Best Extension Education and Excellence in Skill Development awards in Agril. Extension Awards 2021 by Agriculture Today group. As a Vice - Chancellor, Dr. YSR Horticultural University, he has initiated **Vice Chancellor to Village Programme (Mana gramam – Mana Vishwavidyalaya)** a novel initiative to disseminate the technologies to farmers. He is widely travelled in India and has visited Germany, The Netherlands, China, Turkey, Israel, Malaysia, Thailand, Nepal, Bangladesh and Pakistan for advanced training/presentation of research findings. He has outstandingly contributed to horticulture research and development in his career spanning 31 years with his distinguished academic record. He has an impressive record of 260 publications that include research papers, technical bulletins, books, book chapters etc.

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3.0 CHAI-HONORARY FELLOW

CHAI-Honorary Fellow 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 CHAI-HONORARY FELLOW-2022

3.1.1 Dr. B. NEERAJA PRABAKAR (CF-386)



Dr. B. Neeraja Prabhakar, born in 1966, graduated in 1987 from Andhra Pradesh Agricultural University, College of Agriculture, Rajendernagar, Hyderabad and earned his Masters in Agriculture & Horticulture from Andhra Pradesh Agricultural University, College of Agriculture, Rajendernagar, Hyderabad in 1989. She earned P.G. Diploma in Personnel Management from Annamalai University. Shri obtained Ph.D. (Horti) from ANGRAU, College of Agriculture, Rajendernagar, Hyderabad in 1998 Dr. Neeraja Prabhakar earned doctotal degree in Horticulture from College of Agriculture, Rajendranagar, Acharya NG Ranga Agricultural University in the year 1998. She has

started her career as a Assistant Superintendent in Timber and Plantation department at The Singareni Collieries Company Limited, **Godavarikhani** from 1989 to 1992. Later she worked as ARO-Nursery i/c at Fruit Research Station, Sangareddy in June 1994 and served for about **27 years** both in Research (11 years), Teaching (15 years) and one year Administration. During her tenure she has guided 9 PG/ Ph.d students as chairman, 19 students as member of advisory committee. She has published about 85 research papers in peer reviewed national and International journals. She has contributed in authoring four chapters in Two books, Five extension booklets, four bulletins, 130 popular articles and also presented 20 research papers in National and International conferences, Seminars and Symposia including other countries like Srilanka and Malaysia. Her significant contributions in publication of famous book in Telugu on vegetable crops which is considered as bible for vegetable crops cultivation has gained popularity in the farming community of Telangana. Presently she is the first regular Vice Chancellor of Sri Konda Laxman Telangana State Horticultural University (SKLTSHU), Mulugu, Siddipet Dist. She gained vast experience in the field of vegetable crops during her research career and is the first person who worked on water requirement studies in onion, which came into limelight during crucial period of tremendous increase in onion bulb price in during 1997-98. She has received “**State level Best Scientist Award**” from Honourable Chief Minister of Andhra Pradesh Dr.Y.S.Rajasekhar Reddy in 2007 for her relentless services to farming community. She has received “**University Meritorious Teacher Award**” from Dr. M.S. Swaminathan on 41st Convocation of ANGRAU in 2010. She has also received “**Badam Saroja Jayanthi Puraskaram**” and felicitated by Dr. C. Narayana Reddy and Sri. T.G. Venkatesh (Minister) in 2011. Also received “**State Best Teacher Award**” in the year 2019 from Govt. of Telangana.

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3.1.2. DR. RAJKUMAR SINGH(CF-388)



Rajkumar Singh (BVSc&AH, MVSc, PhD) starting his career as ARS, Scientist in 1987, heserved in ICAR till July 2020 in various capacities. He served as Head, Division of Virology at IVRI, Mukteswar, India during 2003 to 2008, then Director of National Research Centre on Equines at Hisar, India (December 24, 2008 to Feb 3, 2014), followed by Director & Vice Chancellor of ICAR-IVRI (Deemed university) from Feb 5, 2014 till July 31, 2020. He has taught virology and biotechnology to masters and PhD students. Dr Singh also served as Director (Additional Charge) of two Institutions (National Research Centre on Camel, January 2010 till June 2012) He has worked on infectious diseases of cattle, buffalo, sheep, goat, pig, camel, equines (horses, ponies, donkeys), yak, mithun, and a number of wildlife species. He has developed 09 animal vaccines and more than 6 vaccine candidates and is known as Animal Vaccine Man of India. He vaccines have been commercially use by Dr Singh and his Group was recommended for emergency use in the country for immunoprophylactic vaccination of cattle against LSDV in view of the incursion of the Lumpy skin Disease Virus outbreak in the country in 2019. So far, as per a conservative estimate, @40 lakh animals have been vaccinated across many States. He has 04 patents granted and 8 more patents have been filed. Goatpox developed by him is also being used in India for prophylactic vaccination of bovines against lumpy Skin Disease, as per the advice of the Department of Animal Husbandry & Dairying, Gol. Dr Singh has published more than 250 research papers and >50 review articles in international and national journals. One of his Books on Virology has been adjudged as one of the 50 Best Books of all the time in Virology. Dr Singh has keen interest in agriculture, soil improvement, animal feed and fodder, forage grasses, tree fodder, horticultural crop (fruits and vegetables) residues as animal feed, forest and environment, climate change, and ecosystem health. Dr Singh has planted more than 10000 plants during his lifetime starting from his village as a child and then at all the ICAR Institutes, he served, till his superannuation. The lifetime contribution of Dr Singh has been appreciable which has helped in saving lives of millions of animals and helped in land reclamation, improvement of soil health, conserving plants/animals/microbes, conserving natural resources, and enriching ecosystem health and serving the humankind.

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3.1.3 DR. NARENDRA KUMAR GONTIA



Dr. Narendra Kumar Gontia, born on July 24, 1961 pursued B.Tech (Agril. Engg.) from JNKVV, Jabalpur and M.Tech. & Ph.D. Agril.Engg.in Soil and Water Conservation Engineering from IIT, Kharagpur. His dissertation work was awarded **Jawaharlal Nehru Award of ICAR, New Delhi. His contributions have earned him** 10 national awards including fellowships. In his career spanning 38 years in Agricultural Engineering Education, Research and Extension, he served the academics as Principal and Dean, College of Agril. Engg.and Tech., JAU for last 10 years. Since October 2021, he is officiating Vice Chancellor, Junagadh Agricultural University. He executed about 10 research projects as Principal Investigator and has published more than 118 research articles in peer reviewed national and international journals, seminar & conferences. He also authored 02 books, 07 chapters in books. He has guided **16 PG students** leading to M.Tech and PhD. degree. He has developed several technologies, which include low cost drip irrigation filters for single/double stage screening,

segmented border irrigation technique for saving 20% of water, low cost high discharge drip irrigation system for groundnut and okra, estimation of ET of wheat crop in command area using remote sensing and GIS, developed crop water stress index of wheat crop in Indian condition for scheduling irrigation in command area. Under his leadership as Vice-Chancellor, Junagadh Agricultural University got 5th position with **5 star rating** among all Universities of Gujarat, as per Gujarat State Institutional Rating Framework (GSIRF) 2021-22. JAU got 40th position at national level among all Agricultural Universities of India. Under his leadership College of Agril.Engg.& Tech., JAU continuously got good ranking at national level for the last 10 years. During 2021 it was ranked **2nd in Gujarat and 45th in India** among all Engg. Colleges by National Ranking of CSR-GHRDC.

Dr. Gontia worked as member in 66 Scientific Societies/Govt./Institutions committees. He is Life Member of 11 Scientific Organizations including fellow member in three scientific societies. He was member in 55 Government/Institutions Board/ Professional Committees.

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3.1.4 DR. K.P. SINGH (CF-285)

4.3.1 DR. K.P. SINGH (CF-285)



Dr. K.P. Singh, Born on 1st June 1968, graduated from Aligarh Muslim University in Chemistry (BiomembraneScience) and earned post-Doctoral research experience from Cranfield University, UK and NCI-NIH Frederick USA. After his Master's and Doctorate Degree, he started his career at G B Pant University of Agricultural & Technology, Pantnagar and he served there in various positions, as an academician and administrator. He has been a professor, coordinator, Head of Division, Chairman, Director and Vice-Chancellor in various academic institutions. He served the Chaudhary Charan Singh Haryana Agricultural University, Hisar (Haryana), a very prestigious Agricultural University of India, as a Vice-Chancellor and was a Founder Vice-Chancellor of Maharana Pratap Horticultural University, Karnal. Currently, he is the Vice-Chancellor of M.J.P. Rohilkhand University, Bareilly, Uttar Pradesh.

Dr. Singhin his career spanning 24 years has provided leadership, and direction in academic areas, guiding the faculty and administration and monitoring the programme of curriculum development besides being the best teacher. He has been implementing various policies and procedures related to the academic programme and research pursuits. He has guided twenty-two PhD, thirty-five Masters, and more than 50 incubatees/entrepreneurs. He has vast experience in handling more than two dozen national and international research and policy projects, which yielded authorship of two dozen books and more than two hundred quality research publications including patents in his credits. Currently, he is still involved in guiding PhD students and startups. He has been visiting the Faculty of Cranfield University (UK, 2009), NCI-NIH Fredrick (USA, 2014), NCI-NIH (Fredrick, 2015), and Stanford University (USA, 2015), Howard University, Washington (USA, 2017). Furthermore, he is associated with many professional societies like the Society of India, Member of Governing Body of UK Centre and Research Centre, Chairman of ICAR Committee for doubling of farmer income, Member-Haryana Kisan Ayog, Member-Board of Management, Maharana Pratap Horticulture University, Karnal, Chairman, Haryana-Netherlands Cooperation Committee (2017), Indian Society of Agricultural Engineers (2017), Vice

President of Academy of Microscope Science & Technology. His main fields of research are Biosensors, artificial intelligence, Nano-biosensor, Nano-toxicity, Nano-medicine for targeted drug delivery, Nano-fertilizers, renewable and Bio-energy and Bio-safety. He had many international assignments and has visited many countries. As Vice-Chancellor at CCSHAU, he was instrumental in developing MoU with many national and international organizations. His contribution in the field of agriculture and also general education, has earned him various awards. To name a few, the Young Scientist Award from UCOST (DST, UK) in 2007. Pt. Deen Dayal Upadhyaya Krishi Vigyan Protshahan Puraskar, 2018. During his tenure, the CCSHAU, Hisar, received Sardar Patel outstanding Institute Award, in 2016. He has been a key person in establishing international academic and business relations in terms of signing of MoUs/Agreements/LOIs and joint projects with Cranfield University (UK); Tokyo University of Agriculture (Japan); the International University of Japan, Michigan State University (MSU, USA); Washington State University (WSU, USA); University of Illinois UC (USA); Kuwait Institute of Technology (Turkey); Wageningen University & Research (Netherlands); Czech University of Life Sciences (Prague); UTP University of Science & Technology (Poland); University of Guelph (Canada); University of South West Sydney (Australia); Western Sydney University (Australia); National Chung Chen University (Taiwan); University of Massachusetts (USA); University of Guelph, (Canada); LUT University (Finland); University of Copenhagen (Denmark) and many more international universities and institutes of high repute. Currently, he is providing academic leadership of par excellence and is committed to education.

Dr. Singh has a passion for creating startups and entrepreneurs, and successfully established two incubators; one in Hisar “Agribusiness Incubation Centre (ABIC)” and the other one in Bareilly “Rohilkhand Incubation Foundation (Section 8 Company)” which are the major source for nurturing early-stage young entrepreneurs by providing them state of art derisking facilities like sitting space, banking facilities, mentoring, investor/angel investor opportunities, compliance services, networking, product/service marketing, technology portfolios and an excellent institutional business environment.

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4.0 CHAI-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 CHAI-DR R S PARODA AWARD-2022

4.1.1 DR. DILIP GHOSH(CF-392)



Dr. Dilip Ghosh, born 23rd August, 1964 in Hooghly district of West Bengal, graduated in Agricultural Science from Bidhan Chandra Krishi Viswa Vidyalaya, Kalyani; and earned his M.Sc and PhD degree in Plant Pathology, from Indian Agricultural Research Institute (IARI), PUSA, New Delhi, on Agricultural. Starting his career as ARS Scientist in 1995 at NRC on Citrus, Nagpur and he became Director in Central Citrus Research Institute, Nagpur, in 2021. In his career spanning 27 year, Dr. Ghosh has contributed in developing rapid and sensitive disease diagnostic tools for major citrus viruses and technology for production of disease-free certified planting material. He was involved in the development and release of five citrus varieties, which are popular among the citrus growers.

He worked as a Visiting scientist at University of Florida, USA twice during the year 2000 and 2010. He also worked as International FAO Consultant in Nepal and Bhutan. He visited citrus growing countries like Brazil, China, Vietnam, Thailand etc to deliver lectures in various international training programs. Guided seven PhD students on various research topics. In collaboration with IIT-Roorkee and UCF-Florida (USA), Dr Ghosh obtained one US patent. His contribution has earned him awards, namely J.F. Dastur Memorial Award, Indian Phytopathological Society, New Delhi. He Fellow of four different scientific societies of India. He is credited to have organized two National Symposiums on Plant Pathology. He is working as an Editor of the journal, 'Plant Pathology' published from UK. He is a member of many important committees at national and international level. Dr. Ghosh is credited to have won many externally funded research projects for the institute. Edited two books and published about seventy research articles in different internationally reputed scientific journals. Dr. Ghosh is providing technical and strategies guidance as Director, CCRI, Nagpur, for improvement of citrus.

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5.0 CHAI-DR B H JAIN AWARD

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

5.1 CHAI-DR B H JAIN AWARD-2022

5.1.1 Dr. CHANDESHWAR TIWARI(CF-341)



Dr. Chandeshwar Tiwari, born on 1st July 1964, at Pratappur, US Nagar, Uttarakhand. With throughout first division academic career he earned his B.Sc. Ag. & A.H., M.Sc. (Ag), Agronomy and Ph.D. in the discipline of Agronomy from GBPUA&T, Pantnagar. Starting his professional career at Rajasthan Agricultural University, 1991 as Assistant Professor (Agronomy) in World Bank assisted Integrated Watershed Development Project, CTAE, Udaipur, Rajasthan, honed at GBPUAT, Pantnagar, in 2005 as Program Coordinator, in 2020 as Director Extension, VCSGUUHF, Pauri, Uttarakhand. In his career he has been associated with AICRP for Management of Salt affected Soils & Use of Saline Water in Agriculture. He also worked on Cumin and Psyllium and groundnut. As programme coordinator in KVK he successfully demonstrated new technology in agriculture in different agro-climatic conditions. and worked with IIT Kanpur for testing and validation of Agropedia and KVK. Dr Tiwari is credited-to win many externally funded Projects. He has published more than 50 research papers, abstracts, manuals, and popular articles, Besides, he has participated in many workshop and conference and has been a invited speaker on Radio and TV. He is member in Nursery accreditation and Rating committee of National Horticulture Board and has successfully managed and coordinated the activities of Krishi Kalyan Abhiyan-I and II with various development departments in aspirational district Udham Singh Nagar which was ranked no. 1 on all India basis. He has been member of many committees and societies. He is life member of Indian Society of Agronomy and

Indian Red Cross Society and Indian Science Congress Association. Currently, he is providing leadership in Extension.

Address : Dr. Chandeshwar Tiwari, Director Extension, Veer Chandra Singh Garhwali Uttarakhand University of Horticulture & Forestry, (VCSGUUHF) Bharsar-246123, Pauri, Uttarakhand, Email:ctiwari2000@gmail.com

5.1.2 Dr. BABITA SINGH (CF-0017)



Dr Babita Singh, with strategic experience of 22 years in the fields of agriculture, horticulture, agribusiness, policy formulation, project conceptualisation, consulting, programme development and implementation, monitoring and evaluation, team leadership, research and development, knowledge dissemination, training, teaching, and organising policy dialogue, workshops, and conferences, has exceptionally contributed to knowledge dissemination and diffusion. She is strong in academics having PhD in Horticulture. She also earned : Master of Business Administration, Master of Science, Certificate in Management Consulting, MA in Rural Development, and PG Diploma in Distance education.

Currently, she works as the Project Manager, Rainforest Alliance, India and is responsible for coordinating the GEF project on sustainable agriculture. Prior to the current assignment, she worked as Director (Agribusiness & Food Processing), PHD Chamber of Commerce (PHDCCI), New Delhi; Senior Technical Consultant (Agriculture/Horticulture/Agroforestry & Forestry), National Rainfed Area Authority (NRAA), Ministry of Agriculture & Farmers Welfare (MoA&FW); Consultant Grade 2 at NITI Aayog, GoI; and Consultant at MoA&FW, GoI. She also worked as a Professor, Amity University, Noida, where she was involved in teaching, research, design of programs, training and conference organisation, and developing syllabus/ module and study materials for various courses in agri/horticulture, agri/hortibusiness, and various training programmes. She is credited with having developed the complete course on Hortibusiness at the University. She developed courses and took classes and guided PG students and was considered the best teacher. She is also an External Expert to NITI Aayog for evaluation of Centrally Sponsored Schemes of Ministry of Agriculture and Farmers Welfare and Ministry of Animal Husbandry, Dairying and Fisheries. Apart from extensive government and policy involvement, she has also been involved in the corporate sector for organisations like *GAPL*, where she developed various policy-related documents and agribusiness strategies for the Govt. of India, State Departments, and other corporate agencies. Her work here also involved creating strategies for development of Agri-export zones in various states of India. She also worked as a Consultant to Bharti's "Field Fresh" initiative and prepared strategy documents for the complete supply chain model and marketing of fresh produce in the country and abroad. Additionally, she worked as a consultant to the International Fund for Agricultural Development (IFAD) and developed strategies in the areas of agricultural development, agribusiness, agriculture policy, livelihood security and value chain development. She also prepared various business models for setting up of supply chain and marketing of Agriculture produce in the Northeastern states of India. Additionally, she has worked as Independent Director, Confederation of Horticulture Associations of India (CHAI), New Delhi and Vice President, Indian Agribusiness Systems Pvt. Ltd. (IASL), (*Agriwatch*), with her work focusing on marketing and trading of agri-produce. She served as a member, QRT, ICAR. She has presented papers and keynote lectures at national and international conferences. Other than policy work and research documentation, her work in knowledge dissemination has involved editing/authoring magazines, journals, and books (15). She has also published more than 70 research papers, reports, book chapters, bulletins, and articles. She is a Fellow at three professional

societies and on the editorial board of many journals. She has visited many countries for various assignments.

Address: Dr. Babita Singh, Project Manager, GEF, Rainforest Alliance, India. 21 Paharpur Business Center, Nehru Place, New Delhi – 110019, India. Mob. No 7042241985.

6.0 CHAI-RAMANANDAN BABU AWARD

This award recognises the innovations of individuals in farming for enhanced productivity of land and water, and generating higher income per unit of land. This award is given once in a year and consists of citation, a plaque of honour and certificate. 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.

6.1 CHAI-RAMANANDAN BABU AWARD-2022

6.1.1 Dr. KARIYANNA: CF-0105



Dr. Kariyanna, M.Sc. (Hort), Ph.D. (Hort) obtained his doctorate in horticulture from University of Agricultural Sciences, Bangalore and served in the academics for six years before he took the plunge into entrepreneurship for production and supply of planting materials, as a professional choice. Born to a traditional farming family and being a farmer himself, he wanted to do something to make a difference in the farmer's life. With this view and mission to serve the farming community, he started an "Integrated Horticultural Services and Technology dissemination Center" near Bangalore many years ago. Today it has spread its wings into many areas giving yeoman's service to the urban as well as rural farmers through various products and services his center offers. The center established a fruit orchard with all technological inputs, mother plant blocks of different major, minor, special, exotic and rare fruits. It has a well-established nursery supplying scientifically produced quality planting materials of about 200 different types of fruits, which led to the nursery popularly being known as The World of Fruit Plants. He took pains to study the characteristics of different native fruit plants, identified quality mother plants with the help of fellow scientific community, scientifically propagated those in the nursery and made available those elite planting material to the farming community at very nominal costs so that they get the maximum benefits from their farm lands. This especially helped small and marginal land holders in a great way. A well-established Soil and Water testing laboratory is housed in the 10 acre plot which the farm occupies. Here farmers are advised on various aspects of crop selection, maintenance, irrigation, based on the test results and disease and pest management, post-harvest management and marketing aspects in general. Farmers are helped to deal with their problematic soils by giving advices on suitable amendments made to the soil to make it arable. A Tissue Culture Laboratory producing Banana, Pomegranate and Bamboo is another facility under the banner of Hithkari Nursery. A well-equipped training center caters to practical as well as theoretical training in different aspects of farming to urban and rural farmers, organic / Terrace farmers, students, officers, housewives, scientists, NGOs etc. A recent addition to the center is a Garden Shop where all inputs like manures, fertilizers, soil, soil mixtures, pit mixtures, organic pesticides, and bio agents' etc. are dealt in. Since its establishment, through the years, this center has made a reputation as a center for quality products and services and touched the lives of many farmers far and near. He is honoured member in various research advisory committee of University / ICAR. His

contributions have earned him many recognitions and awards. His activities have helped in adoption and dissemination of new knowledge leading to improved farm income.

Address: Hitkari Horticulture Foundation, Plot No 31/1A 8th Main, Triumallapa Nagar, Attur Layout, Yelahanka New Town, Bangalore- 560106, Tel: 080-28462484, 09845218724, Email: hithkariplants@gmail.com, kariyana@hithkariplants.com, <http://www.hithkariplants.com>

7.0 CHAI-JISL Fellowship Award for participation in

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

7.1 CHAI-JISL Fellowship Award-2022

7.1.1 DR. L. PUGALENDHI



Dr. L. Pugalendhi, Ph D., Dean (Horticulture), Horticultural College and Research Institute, Tamil Nadu Agricultural University, starting his research career as Assistant Professor and Vegetable Breeder in the year 1988, has served TNAU for 33 years in various capacities at different institutes. He has been an effective team leader in developing breeding strategies and methodologies that led to the release of 26 Vegetable and other crop varieties/hybrids which were released for commercial cultivation. He was one of the first to standardise and develop grafting technology in brinjal at TNAU. The uniqueness of his work lies in providing farmer friendly technologies in vegetable crops. He has developed cost effective technologies and transferred to public/private sector enabling their commercialisation and widespread adoption. He has conceptualised and established Contractual Vegetable seed production to produce TNAU released vegetable hybrids/ varieties and about 200 tonnes of Vegetable seeds have been produced for the benefit of farmers covering an area of 8000 ha in Tamil Nadu. He participated in National and International training programmes. He also organised and participated in scientific seminars and conferences. He initiated for signing MoU and MoA between national and international organisations to carryout collaborative research. Dr. L.Pugalendhi served as Member of Board of Studies in various academic Institutes, appointed as Senate Member (2009-2012), Periyar University, Salem by His Excellency, Governor of Tamil Nadu and provided suggestion for educational improvement. He is an active member in several academic and professional bodies. He has established close linkages with many agricultural scientists, entrepreneurs and farmers through 65 externally funded schemes including three foreign aided schemes. He has been instrumental in sourcing more than Rs.2000 lakhs through externally funded projects for strengthening research programmes. He has eleven National and International awards to his credit for outstanding contribution in the field of horticulture. Dr. L. Pugalendhi has guided 10 Ph.D and 16 M.Sc. students. He has published 200 papers in International and national Journal and authored more than 41 books and 75 book chapters. He has visited many countries viz., Israel, South Korea, China, USA, Switzerland, Germany and Nepal for collaborative research and presenting research papers in the scientific forums. The farsighted and strategic research of Dr. L. Pugalendhi has provided a framework for horticulture development in Tamil Nadu.

Address: Dr. L. Pugalendhi, The Dean (Horticulture) Horticultural College and Research Institute Tamil Nadu, Agricultural University Coimbatore-641 003; Mobile: 9443498469; Tel. No: 0422-6611373, 6611253; Email: deanhortcbe@tnau.ac.in, pugalabi@yahoo.co.in

8.0 CHAI-Dr. Ray Best Dissertation Award

This award recognises the research of the student at Ph.D. level by conferring Dr. 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 is given once in a year. The awardees' receives the certificate, plaque of honour and free subscription of Journal, – International Journal of Innovative Horticulture, for the year.

8.1. CHAI-Dr. Ray Best Dissertation Award-2022

8.1.1 Dr. Manish Kumar, IARI, PG Outreach Programme at ICAR-IIHR, Bengaluru

Dr. Manish Kumar, Assistant Professor (Vegetable Science), Maharana Pratap Horticultural University, Karnal, Haryana. Email: imanishkumar91@gmail.com, manish.apveg@mhu.ac.in, Phone: 7307104212

Thesis Title: Incorporation of phytophthora root rot resistance genes into cytoplasmic and genic male sterile (cgms) line through marker assisted selection in chilli (*Capsicum annuum* L.).

9.0 CHAI-KRITI SINGH BEST PAPER AWARD FOR THE PUBLISHED IN IJIH

This award encourages publication of high quality paper in International Journal of Innovative Horticulture. 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.

9.1. CHAI- Kirti Singh Best Paper Award 2022

9.1.1 Dr. Narendra Chaudhary, Scientist, ICAR-National Research Centre on Seed Spices, Tabiji, Ajmer-305206. Email: ncfls1983@gmail.com, 8209533192

Narendra Chaudhary, S. S. Sindhu, Ramesh Kumar, T. N. Saha, D. V. S. Raju and Ajay Arora. 2021. Effect of 5-sulfosalicylic acid on antioxidant activity during senescence in Oriental lily, IJIH Vol. 10(2)

10.0 CHAI-LIFE TIME RECOGNITION AWARD

This award recognises 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 honour 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 CHAI-LIFE TIME RECOGNITION AWARD-2022

10.1.1 DR. A.K. SRIVASTAVA (CF-0027)



Dr. A.K. Srivastava Born on 3rd July, 1963 at Varanasi, graduated from BHU in 1982, got his M.Sc. (Ag) and Ph.D in Soil Science from Banaras Hindu University, in 1984 and 1988, respectively. He is working as Principal Scientist (Soil Science) at ICAR-Central Citrus Research Institute, Nagpur, Maharashtra. He extensively worked on different aspects of citrus nutrition. Associated with 32 academic societies, besides Honorary Member of World Association of Soil and Water Conservationists. Dr. Srivastava is Editor-in-Chief of Research Journal on Earth Sciences and International Journal of Horticultural and Crop Science Research; Honorary Editor, Agricultural Science Digest; Regional Editor of International Journal of Food, Agriculture and Environment and Member of Editorial Board of 5 other international journals including Journal of Plant Nutrition and Communications in Soil Science and Plant Analysis and 7 national journals. Govt. of Nepal invited him as Citrus Expert in 1999 under Indo-Nepal MOU and Keynote Speaker in World Citrus Congress held at Wuhan, China in 2008. Dr. Srivastava is recipient of many awards to name the few are S.N.Ranade Award for Excellence in Micronutrient Research, FAI Silver Jubilee Award, International Plant Nutrition Institute-FAI Award, Netaji Subhash Chandra Bose Award for Excellence, National Magnum Foundation Award for Excellence, Dhribhai Morarji award, B.L.Jain Award, World Aqua Foundation Award, Best Citrus Scientist Award etc. in addition of biography appeared in two world famous biographical compilations, in addition to fellow of 11 academic societies. Honorary Fellow of three academic societies. Member of Asian Council of Science Editors at Seoul, Korea. Associate Editor of Agronomy Journal, Frontiers in Plant Science and Advances in Horticultural Science and Member of editorial board of some prestigious peer reviewed journals like Journal of Plant Nutrition, Communications in Soil Science and Plant Analysis, Int. J. of Fruit Science (Taylor & Francis, USA), Journal of Agronomy and Crop Sciences (Crop Sci. Soc. Am.), and Associate Editor, Agronomy Journal (Am. Soc. Agron.), Folia Horticulturae (Polish Acad. of Sci.), Scientia Agricola (Brazilian Acad. Agri. Sci.). He has published 171 Research Papers (102 papers in Indian Journals and 69 papers in Foreign Journals) and 49 Policy Review Papers (32 in Indian Journals and 17 in Foreign Journals), 102 invited Lead/Keynote lectures and 279 abstracts in Seminar/Symposium/Conference. Author of books like Citrus: Soil and Climate, Citrus Nutrition published by IBDC, Lucknow and Editor of books entitled Advances in Citrus Nutrition by Springer-Verlag, Netherlands and Fruit Crops : Diagnosis and Management of Nutrient Constraints by Elseviers, USA. He is providing leadership in nutrition of perennial horticulture.

Address: Principal Scientist (Soil Science), CCRI , Nagpur-440010, Maharashtra 09422458020, aksrivastava2007@gmail.com

11.0 CHAI-APPRECIATION AWARD

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

11.1 CHAI-APPRECIATION AWARD-2022

11.1.1 DR VIJAY MAHAJAN (CF-360)



Dr. Vijay Mahajan, Born on March 22, 1964, Ainpur, Maharashtra, Dr. Vijay Mahajan graduated, B.Sc.(Ag), from College of Agriculture (JNKVV), Indore and earned his masters, M.Sc. (Hort.) and Ph.D. in Horticulture, (Vegetable Science) from Indian Agricultural Research Institute, New Delhi. His work of M Sc Ag thesis was selected presentation during convocation. Starting his career as Assistant professor at Indira Gandhi Krishi Vishvavidyalaya, he joined ICAR and later as the Senior Scientist at National Research Centre for Onion and Garlic in 2000 and subsequently he became Principal Scientist in 2008. He is Nodal Officer for All India Network Research project on Onion and Garlic, since it's inception in 2009. He was also acting Director, from Nov. 2016 to April, 2017, at the centre. With his career spanning 28 year doing research, teaching and extension, Dr Mahajan is credited to have developed and released 10 onion and 2 garlic varieties notified by CVRC, Which includes first Kharif white onion, Bhima Shubhra, designated as the "King of Onion" at "Krishi Vasant" Nagpur & developed 2 litchi varieties (IGKV, Raipur). Five onion varieties developed by him were licensed by 103 stake holders worth Rs 1 crore. He developed 4 high TSS white onion lines for processing and 2 drought and 2 water logging tolerant lines. Introduced onion cultivation in the tribal belt of Nandurbar. Being Nodal officer DUS and member Task Force, formulated DUS guidelines of Onion & Garlic. Dr. Mahajan worked/working as a member of various committees of the institute and institute's management committee, of ICAR viz. NRCOG, DOGR, NRCG, DFR, ATARI, NIASM, and CPRI. Dr Mahajan guided 12 students, evaluated M.Sc. & Ph.D. thesis of various universities, has published 79 research papers in national and international journals, presented more than 150 papers in national and international symposium, published more than 175 popular articles, 32 book chapters, 30 booklets/folders, conducted training programmes and delivered more than 200 lectures at various forums and 42 radio and TV talks. He has international Exposure on onion at USA, NIAB, Cambridge, UK. He Chaired Crop Improvement Session in International Symposium on Edible Alliums at Turkey. Dr Mahajan organized two national Symposium and one International Symposium on edible Alliums. Dr. Mahajan is recipient CSIR Associate ship, Young Scientist Award from MP Council of Science and Technology-1996, Bhopal, Certificate of Merit for outstanding scientist at IGKV, Raipur – 1996, Fellow of Indian Society of Vegetable Sciences 2018. He was Felicitated by Indian Society of Allium-2016 for significant contribution in onion and garlic research in India. He also received NHRDF award-2017 for outstanding contribution in Onion & garlic research and International Scientist Award (Life time achievement)-2021 from VDGGOOD Professional Association. The Indian Academy of Horticultural Sciences (IAHS) honoured him conferring the IAHS Fellowship in Vegetable Science –2020 and CHAI in 2021.

Address: Dr. Vijay Mahajan, ICAR-Directorate of Onion and Garlic Research, Rajgurunagar, Pune, Maharashtra; Email: vijay.mahajan@icar.gov.in phone 9421005607

12. CHAI-Achiever's Award

12.1 CHAI-Achiever's Award- 2022

12.1.1 Dr. Tusar Kanti Behera (CF-391)



Dr. T.K. Bahera, born at village Brahmapur, Dist. Balasore, Odisha, graduated from OUAT-Bhubaneswar, Odisha and earned his Ph. D. from Indian Agricultural Research Institute, New Delhi and completed Post-Doctoral Fellowship programme at University of Wisconsin, USA. Presently he is working as the Director, ICAR-Indian Institute of Vegetable Research. Before joining the post of Director, he worked as scientist to principal scientist in Division of Vegetable Science, ICAR-Indian Agricultural Research Institute, New Delhi. He also served as the Professor in the Discipline of Vegetable Science, P G School, IARI and Nodal Officer, ICAR-IARI-

Jharkhand, Hazaribag. Dr Behera is associated in developing 23 varieties and hybrids in brinjal, cucumber and gourds those are released through CVRC and State Seed Sub-committee for Variety Release and Notification. Few of these varieties are licensed to Pvt seed Companies for seed production. He isolated gynoecious lines in bitter melon from its feral form, *Momordica charantia* var *muricata* and introgressed *gy-1* gene into commercial cultivars of bitter melon those are licensed to Pvt. Seed companies through MOU. He introgressed gynoecious trait (*F* locus) in Indian cucumber using marker assisted back cross breeding (MABC). A bitter melon variety, **Pusa Rasdar** developed by him is exclusively suitable for protected cultivation. He guided 12 Ph. D and 2 M.Sc. students at P.G School, IARI, New Delhi. He served as chairman of the sub-committee to develop post graduate course curriculum on Horticulture for IM-ACRE programme of Myanmar and ANASTU, Afghanistan. He has published 125 papers in peer reviewed journal, edited 3 Books and authorized 15 book chapters and 7 training manuals. He was deputed to USA, Australia, France, Russia, Thailand, Libya for academic assignments. He was the member of XI Five Year plan for Horticulture, Plantation Crops and Organic Farming, RAC (ICAR-DMR, Solan & BAU, and Bhagalpur) and Institute Management Committee of ICAR-IIHR, Bengaluru, ICAR - CCARI, Goa, ICAR-CIAH, Bikaner and ICAR-DOGR, Pune. He also served as FAO International Consultant in Vegetable Breeding at Libya 2010. He is **Fellow** of Fulbright-Nehru Academic and Professional Excellence (USIEF), National Academy of Agricultural Sciences (NAAS), Indian Society of Plant Breeding and Genetics (ISGPB), Indian Academy of Horticultural Science (IAHS), Indian Society of Vegetable Science (ISVS)

His contributions have earned him many awards. To the name the few are :including XXth Hari Krishna Shastri Memorial Award (2019), Best Teacher Award for Higher Education (2018), Dr Biswajit Choudhury Memorial Award (2018), Dr Kirti Singh Gold medal (2016), Fulbright-Nehru Academic and Professional Excellence Fellowship (2015), Hooker Award (2010), DBT Associateship (2006), Dwarka Nath Memorial Medal (2000). He is presently associated as the Secretary of Indian Society of Vegetable Science (ISVS) and member of the EC of Indian Academy of Horticultural Science (IAHS). He also served as Editor of HSI (2011-19), Agricultural Research Journal (from 2016) and Indian Society of Agricultural Sciences (2012-16), Assistant Editor of CGCR, USA (from 2008) and Treasurer of HSI (2015-18).

Address: Prof. Tusar Kanti Behera, Director, ICAR-Indian Institute of Vegetable Research, Jakhini, Shahanshapur, Varanasi 221305; Email: Director.IIVR@icar.gov.in; Mob.: 9868342628; Landline; 0542-297 5111



12.1.2 Dr. Prabhat Kumar (CF-0115)

Dr. Prabhat Kumar, Horticulture Commissioner, GOI & Ex-National Coordinator ICAR-National Agricultural Higher Education Project was born on 1st July 1973 in Basti(UP). He obtained his B.Sc. Degree from C.S.A.Univ.of Ag. & Tech. Kanpur (U.P.) and M.Sc degree (Floriculture and Landscaping) from Punjab Agril.University, Ludhiana, Punjab. He earned his Ph.D degree (Floriculture and Landscaping) in the year 2002 from IARI New Delhi. He started his professional career as Assistant Professor at G.B.P.U.A.&T. Pantnagar in April 2003. He was selected to the post of Associate Professor at HNBGU, Srinagar, Garhwal (A Central University School of Agriculture) in 2012. Further, he was selected to the post of Senior Scientist at IARI, New Delhi in 2013 and become Principal Scientist in 2015. Dr. Prabhat Kumar was actively engaged in teaching, research, extension and managerial assignments at all the places. He has guided 10 M.Sc. and 01 Ph.D. students, as Major Advisor in the discipline of Floriculture and Landscaping and presently guiding 02 Ph. D students & taught various courses at UG&PG level. He has handled more than 04 externally funded and 6 institute research projects and published 75 research papers in various national and international journals, 35 popular articles, 15 book chapters, 11 technical bulletins and 06 books. He is associated in the development of 4 varieties namely; Pusa Deep, Pusa Bahar(Marigold) & Pusa Sinduri and Pusa Shanti.Established Model Floriculture Centre (MFC) under Horticulture Technology Mission.In capacity of National Coordinator developed Monitoring and Evaluation cell to coordinate with all partners and facilitated to establish 16 CAAST (Centre for Advanced Agriculture Science and Technology) centers in cutting edge areas like genomics, climate smart agriculture, digital agriculture, conservation agriculture, secondary agriculture, etc. He also organized many national and international conferences and symposiums as organizing secretary.Dr Kumar visited many countries like The Netherlands, Switzerland, Germany, Belgium, Singapore, Thailand and Maldives.He is a life member of many professional societies in the field of Horticulture and Agriculture. He has been honored with awards and fellow by many scientific societies.He is member of Board of Management and academic council in state agricultural Universities.

Address: Dr Prabhat Kumar, Horticulture Commissioner, Gol, MoA&FW, Krishi Bhawan, New Delhi-110001; Mob. 09718575556; Email:prabhatflori@gmail.com

13.0 FELLOW OF CHAI

13.1 FELLOW OF CHAI-2022



13.1.1 DR. R. G. SOMKUWAR (CF-383)

DR. R. G. Somkuwar, Director (Acting) of ICAR-National Research Centre for Grapes, Pune. He has significant contributions in the field of horticulture especially in grapes. His outstanding contributions includes technologies on planting material production, rootstock identification, bunch load and canopy management for grapes. He has developed nine crop varieties namely Manjari Medika, Manjari Shyama and Manjari Kishmish of Grape, Arka Suvidha and Arka Bold of French bean, Arka Karthik and Arka Sampurna of Garden pea, Arka Samruddhi and Arka Suman of Cowpea. He was involved in development of *Manjari Trichoshakti* and *Manjari Vineguard* for biological control of grapevine diseases. Dr. Somkuwar

has been engaged in capacity building, infrastructure development, and generation of external grants for ICAR- NRCG through extensive outreach programs. He has been involved in different inter-institutional R & D programs, and Industry-Institutional linkages through MoUs. He has published more than 120 research articles in high impact factor international journals, 7 books, 6 book chapters and 20 Technical bulletins. Dr. Somkuwar was also engaged in various extension activities and disseminated the knowledge via., Newspaper, Television talks, Radio talks, YouTube etc. He has been recognized as member of RAC, IMC, Board of studies at different ICAR institutes and state Universities. He is also recognized as Associate Editor of Journal of Pharmacognosy and Phytochemistry. Dr. Somkuwar has contributed immensely in teaching of M.Sc. and Ph. D. students of different state universities. Three students have completed their Ph. D. and five students have completed their M.Sc. degree under his guidance. He has also started new academic programs through MoUs with different agricultural colleges. Dr. Somkuwar has received numerous prestigious awards for his pioneering research in the field of horticultural crops specifically grapes. He has been recognized as fellow of Horticultural Society of India and Indian Society of Horticultural Research and Development. He implemented Hindi Language program in institutions documentary and for this institute was awarded with Hindi Rajabhasha Puraskar, 2019-20 (West Zone) by Govt. of India, Ministry of Home affairs. He also brought Certificate of Compliance (ISO) for Provision of Research for production and utilization of grapes and its processed products to ICAR- NRCG, Pune.

Address: ICAR-National Research Centre for Grapes, P.B. No. 3, Manjari Farm Post, Solapur Road, Pune - 412 307, Maharashtra, India Tel.: +91-20-26956000 (EPABX); Fax: +91-20-26956099. Tel.: +91-20-26956002 (PS to Director), +91-20-26956000 (PBX), Mobile: +91-9422032988, 85306997; Email: director.nrcg@icar.gov.in Website: <https://nrcgrapes.icar.gov.in>



13.1.2 Dr. Kancherla Suresh (CF-384)

Dr. Kancherla Suresh graduated in Agriculture and earned masters in Agriculture with specialization in Plant Physiology, Andhra Pradesh Agricultural University, Tirupathi. During his post graduation, he worked on Hydroponics – Studies on Iron deficiency in Sesame cultivars. His doctoral programme was at Indian Agricultural Research Institute (IARI), New Delhi and worked on Photosynthesis and Nitrogen relationship in Brassica coenospecies. He is presently working as Principal Scientist (Plant Physiology) and Head, Division of Production System Management at ICAR-Indian Institute of Oil Palm Research, Andhra Pradesh. In his career spanning 25 years, he worked on oil palm and is credited to have established Plant Physiology and Leaf analysis laboratories and has handled nearly 20 research projects in areas like photosynthetic efficiency, drought tolerance, canopy architecture and radiation transfer, climate change, nutrient and water management, carbon sequestration, oil synthesis and salt tolerance. He has done his professional training on Oil Palm Canopy Architecture at CIRAD, Montpellier, France. He has published 50 research papers in reputed international and national journals. and presented 40 papers in various international and national Conferences. He has developed technologies/process/concepts/mobile apps in oil palm. He was involved in development of Oil Palm hybrid, NRCOP-4 (Godavari Swarna), suitable for growing in Andhra Pradesh and Telangana. He has been instrumental in identification of 5 gene traits from oil palm field gene bank, which was registered at NBPGR, New Delhi. He has conceived and implemented 5 inter-institutional projects with reputed national institutes and was involved in 5 consultancy projects on oil palm hybrid seed production and reassessment of potential areas in India. He was involved in preparation of EFC documents for ICAR-IIOPR. He has been in charge of Project Monitoring and Evaluation (PME) Cell of ICAR-IIOPR for the last

25 years,.He has been involved in Monitoring of Research Activities of ICAR-IIOPR in the form of Performance Indicator, Results Framework Document, Project Information Management System, Institute Technology Management Unit, HYPM, etc. Dr Suresh has been recognized as Research Guide for M.Phil/Ph.D Scholars in Botany and Biochemistry by Acharya Nagarjuna University and Dr. YSRHU, Andhra Pradesh .He was nominated as Editor for Journal of Environmental Management and worked as Associate Editor and Editor-in-Chief for International Journal of Oil Palm. He is also a reviewer of 15 reputed International and National Journals.He is currently engaged in knowledge enhancement of physiological processes in oil palm.

Address: Dr. K. Suresh, Principal Scientist (Plant Physiology), ICAR - Indian Institute of Oil Palm Research, Pedavegi - 534450 West Godavari Dt.,Andhra Pradesh, Suresh.Kancherla@icar.gov.in

13.1.3 Dr. A. Subbiah (CF-385)



Dr. A. Subbiah, born on 4th March, 1973 is presently working as Assistant Professor of Horticulture and Head at Grapes Research Station, Theni, Tamil Nadu. He earned his masters in 1977, with ICAR Junior Research Fellowship and completed Ph.D., in 2004 from TNAU, Coimbatore. Starting his career as Research Assistant at Cardamom Research Station, Pampadumpara, Idukki, Kerala (KAU), worked as Senior Research Fellow at Department of Vegetable Crops, TNAU, Coimbatore and Technical Executive, at Indian Spices Producers Company, Cochin, Kerala. He has also been involved in teaching courses on fundamentals of horticulture, production and post-harvest technology of fruits to the Under Graduate students in Horticulture for the past 10 years. He also served as Co-Principle Investigator in the ICAR-NICRA Research Project on “Studies on Mango Flowering Phenology” and IDRC-CIFSF, Canada funded Project on “Enhanced Preservation of Fruits in Asia by using Nano Film Techniques”. He is In-Charge of Venture Capital Scheme “Mass multiplication of grape rootstocks and varieties. He was associated 10 various scientific societies involved in promotion of research and development in the field of fruits, spices and plantation crops as life member. He also served as a member of Board of Studies for UG Programme in Horticulture, Tamil Nadu Agricultural University during 2010-2013. He has authored and co-authored 4 book chapters and 6 books and published 29 research papers in reputed National and International Journals. He has been the question setter for B.Sc., (Hort.) Programme of UHS, Bagalkot. He was the organiser of various training programme related to production technology of mango, grapes, banana and cardamom for the benefit of farming community. He is currently involved in research activities related crop improvement in grapes and standardisation of canopy management and viticultural practices in grape.

Address: Dr. A. Subbiah, Ph.D.,Asst. Professor (Horticulture) - SG & Head, Grapes Research Station, Anaimalayanpatty, Rayappanpatty Post Theni District, Pin: 625 526.Email: grstheni@tnau.ac.in (O)/cardamomsubbiah@gmail.com Phone: 04554-253625 (O) Mobile: 91-94420-91219



13.1.4 Dr. B. Neerja Prabhakar (CF-386)

Dr. B. Neeraja Prabhakar, Vice Chancellor, SKLTS Horticultural University, Mulugu, Siddipet Dist. Email: drboganeeraja@gmail.com

The details are furnished under para.....

13.1.5 SRI KONDA LAXMAN TELANGANA STATE HORTICULTURAL UNIVERSITY, MULUGU (V&M), SIDDIPET ! Telangana (CF-387)



Recognising that horticulture in Telangana covers 16.5 % of net sown area and contributes 40.5 % to Agriculture GSDP and has immense potential Sri Konda Laxman Telangana State Horticultural University, was established, 7th January, 2016 .with the mandate on Education, Research and Extension of horticulture. The university offers B.Sc. (Hons.) (Horticulture), M.Sc. (Horticulture) and Ph.D (Horticulture) at College of Horticulture, Rajendranagar, Hyderabad and College of Horticulture, Mojerla, Mahaboobnagar. In B sc Horticulture course the student undergo Rural Horticultural Work Experience Programme (RHWEPE) and Experiential Learning Programme (ELP). With an intention to provide self employment to rural youth, and also to make use of the services for youth in rural development, the University is running two Horticultural Polytechnics in rural areas and offers 2 years Diploma in Horticulture. The university has strong research component with its 11horticultural research stations. The university also coordinate research at national level through Six AICRP centres located at different research stations for various horticultural crops. The University scientists are involved in popularising the proven technologies and improved varieties through various extension activities, The university has one Krishi Vignana Kendra at Ramagiri Khilla. which was awarded Krishi Kharshak by the ICAR, New Delhi. The university supplies 4.5 lakh disease free. quality planting material of mango, guava, sweet orange, acid lime, custard apple and sapota every year to the farmers of Telangana.

Address: Dr. B.Neeraja Prabhakar, Vice Chancello, Sri Konda Laxman Telangana State Horticultural University, Mulugu(V&M), Siddipet ! Telangana -502279; Email: drboganeeraja@gmail.com

13.1.6 Dr. Rajkumar Singh (CF-388)



Address: Dr RK Singh, Former Director / Vice Chancellor, ICAR-IVRI; Email: rks_virology@rediffmail.com, rajks.virology@gmail.com; Cell # +91-7534075345

The details are furnished under para.....

13.1.7 Dr. Harikanth Porika (CF-389)



Dr. Harikanth Porika completed his undergraduate degree from College of Horticulture, Hyderabad and Post graduate from HC & RI, TNAU, Coimbatore, and obtained Ph.D from IIHR, Bengaluru in 2018. He is currently working as a Scientist (Horticulture) at Fruit Research Station, Sangareddy under SKLTS Horticulture University. He published 7 research articles, 5 review articles, 6 popular articles and 3 book chapters in his area of research. He is a reviewer to two international peer reviewed journals and currently a member of International Shalom Club and Israel's MASHAV Alumni. He has been awarded as young Scientist 2014 from MSSRF, Chennai, by Prof. M.S. Swaminathan. He received Best Master's thesis award from GVK society for his post graduate work "Studies on season and intensity of pruning on growth, yield and quality of grapes cv. Red Globe. Dr.

Harikant participated in 14 National, 5 International symposiums and 2 Science congresses for which he received 3 best oral and 3 best poster presentation awards. He has been nominated twice to visit Israel's agricultural technology by Israel's Agency for International Development and Co-operation under Ministry of foreign Affairs. He attended International Post Graduate program on "Feeding the future: Food safety and technology in times of global changes" at International School of Agriculture and Food Sciences, Rehovot, Israel 2018. He has significantly contributed and is committed to the furtherance of horticulture.

Address: Dr. Harikanth Porika, Ph.D, Scientist, Horticulture, Fruit Research Station, Sangareddy, Israel's MASHAV Alumni, a member of "Shalom Club"; Contact: +919440691020 harikanthporika@gmail.com

13.1.8 Dr. Ravi Kumar Mathur (CF-390)



Dr. R.K. Mathur, born on 05th March'1967, at Jodhpur, completed his schooling from a small village in Pali district, Rajasthan, obtained his B.Sc. (Ag.) from Sukhadia University, 1987, and earned his M.Sc. Ag. and Ph.D. (Genetics & Plant Breeding), Rajasthan Agriculture University, Bikaner. He had received Kusum Rathore Memorial Fellowship for M.Sc. and Senior Research Fellowship for Ph.D. He joined ICAR as ARS scientist (Plant Breeding) during 1993 and is at present Director of ICAR- Indian Institute of Oil Palm Research, 2005. His major area of specialisation is plant breeding and genetics, biotechnology, germ-plasm management and seed production. He has significantly contributed in developing DNA markers for fruit shell and dwarf traits in oil palm, which has lot of practical significance. He has also developed several QTL identified for traits of economic significance. He earned a PATENT for A process and kit for insect facilitated controlled pollination in oil palm. He is associated with development of Mobile Apps, short video films of technologies, crop advisories and many other digital products for the benefit of oil palm fraternity. He has released two varieties in groundnut and three varieties in Oil Palm; he has also registered five groundnut and 17 oil palm germ-plasm accessions for specific traits with NBPGR, New Delhi. He has developed five new oil palm seed gardens with targeted productivity of about 30 lakh germinated seeds annually. He has developed 15 dwarf oil palm hybrids with high oil yield and 22 high oil yielding hybrids which are under evaluation in AICRP system. He won several externally funded projects in groundnut and oil palm as Principal Investigator/ Co-Principal Investigators. He was involved in preparing Policy papers/ reports like Oil Palm, CACP report on Costing and Pricing for achieving self sufficiency; vision document of IIOPR, Reassessment of Potential areas for oil palm cultivation in India & revision of targets upwards; management of Rugose Spiralling Whitefly etc. Dr Mathur is the Vice President, Society for Promotion of Oil Palm Research and development, Member, Institute Management Committee, IIOR, Hyderabad, NAARM, Hyderabad, and CTRI, Rajahmundry. He is also a member of the Institute Technology Management Committee of CTRI, Rajahmundry. He has published 56 papers in reputed national and international journals and has authored four books, many book chapters, popular articles, crop advisories and technical bulletins of practical significance in oil palm. Dr Mathur visited several countries such as Australia, Thailand, United States, Netherland, Switzerland, Germany and Belgium. Currently,

Address: Dr. Ravi Kumar Mathur, ICAR-Indian Institute of Oil Palm Research, Pedavegi-534 450, West Godavari District, Andhra Pradesh, India. Email ID: rkmathur1967@gmail.com, Ravi.Mathur@icar.gov.in Mobile No. +919440441967

13.1.9 Dr. Tusar Kanti Behera (CF-391)



Born at village Brahmapur, Dist. Balasore, Odisha and graduated from OUAT-Bhubaneswar, Odisha and Ph. D. from Indian Agricultural Research Institute, New Delhi and Post-Doctoral Fellowship programme at University of Wisconsin, USA. Presently he is working as the Director, ICAR-Indian Institute of Vegetable Research. Before joining as Director, he worked as scientist to principal scientist in Division of Vegetable Science, ICAR-Indian Agricultural Research Institute, New Delhi. He also served as the Professor in the Discipline of Vegetable Science, P G School, IARI and Nodal Officer, ICAR-IARI-Jharkhand, Hazaribag.

Dr Behera is associated in breeding 23 varieties and hybrids in brinjal, cucumber and gourds those are released through CVRC and State Seed Sub-committee for Variety Release and Notification; few of them licensed to Pvt seed Companies. He isolated gynocious lines in bitter gourd from its feral form, *Momordica charantia var muricata* and introgressed *gy-1* gene into commercial cultivars bitter gourd those are licensed to Pvt. Seed companies through MOU.

He introgressed gynocious trait (*F* locus) in Indian cucumber using marker assisted back cross breeding (MABC). A bitter gourd variety, Pusa Rasdar developed by him is exclusively suitable for protected cultivation. He guided 12 Ph. D and 2 M.Sc. students at P.G School, IARI, New Delhi. He served as chairman of the sub-committee to develop post graduate course curriculum on Horticulture for IM-ACRE programme of Myanmar and ANASTU, Afghanistan. He published 125 peer reviewed research papers, edited 3 Books and written 15 book chapters and 7 training manuals.

He was deputed to USA, Australia, France, Russia, Thailand, Libya for academic assignments. He was the member of XI Five Year plan for Horticulture, Plantation Crops and Organic Farming, RAC (ICAR-DMR, Solan & BAU, and Bhagalpur) and Institute Management Committee of ICAR-IIHR, Bengaluru, ICAR - CCARI, Goa, ICAR-CIAH, Bikaner and ICAR-DOGR, Pune. He also served as FAO International Consultant in Vegetable Breeding at Libya 2010.

He is **fellow** of Fulbright-Nehru Academic and Professional Excellence (USIEF), National Academy of Agricultural Sciences (NAAS), Indian Society of Plant Breeding and Genetics (ISGPB), Indian Academy of Horticultural Science (IAHS), Indian Society of Vegetable Science (ISVS)

He has been **conferred with several Awards** including XXth Hari Krishna Shastri Memorial Award (2019), Best Teacher Award for Higher Education (2018), Dr Biswajit Choudhury Memorial Award (2018), Dr Kirti Singh Gold medal (2016), Fulbright-Nehru Academic and Professional Excellence Fellowship (2015), Hooker Award (2010), DBT Associateship (2006), Dwarka Nath Memorial Medal (2000)

He is presently associated as the Secretary of Indian Society of Vegetable Science (ISVS) and member of the EC of Indian Academy of Horticultural Science (IAHS). He also served as Editor of HSI (2011-19), Agricultural Research Journal (from 2016) and Indian Society of Agricultural Sciences (2012-16), Assistant Editor of CGCR, USA (from 2008) and Treasurer of HSI (2015-18).

Address: Prof. Tusar Kanti Behera, Director, ICAR-Indian Institute of Vegetable Research, Jakhini, Shahanshapur, Varanasi 221305; Email:Director.IIVR@icar.gov.in; Mob.: 9868342628; Landline: 0542-297 5111

13.1.10 DR. DILIP GHOSH (CF-130)

Address: Dr. Dilip Ghosh, Director, ICAR- Central Citrus Research Institute, Nagpur, Maharashtra; Email: ghoshdk@hotmail.com; director.ccri@icar.gov.in; Phone-2500249, 2500813; Mobile: 9623785121 / 9422145825

The details are furnished under para.....

13.1.11 Dr. H. USHA NANDHINI DEVI (CF-392)

Dr H Usha Nandhini Devi, working as Assistant Professor (Horticulture), Department of Vegetable Science, Horticultural College and Research Institute, Tamil Nadu Agricultural University (TNAU), Coimbatore, earned her B Sc, M Sc and Ph D, in Horticulture from TNAU, in 1997, 2000, and 2004, respectively. She passed NET conducted by ASRB in 2001. As a chilli breeder she has been actively involved in the germ-plasm collection, evaluation and cataloguing of genotypes from across the country. She is credited for the development of highly pungent chilli line which has industrial application (SHU – 1,88,800). Involved in the evaluation of perennial chilli, which is being used as root stock for grafting of annual chilli and assessing its performance for yield and quality traits. She is also associated with the release of ash-gourd hybrid CO1. She has been actively involved in breeder seed production of vegetable crops, which helped in popularisation of TNAU varieties and hybrids among farmers. As a member of Board of Studies, she contributed in the revision of syllabus and restructuring of the courses according to 5th Dean's Committee recommendations of ICAR. She has handled 45 courses for undergraduate and post graduate programme and has guided three M.Sc students. During 2018- 2019, the AICRP Centre on vegetable was adjudged as best centre and Lt Amit Singh Memorial award was conferred for contributions in AICRP Vegetables crops. During 2020 – 2021. She was recognised an active coordinating scientist in the project on Doubling Farmer's Income. Her paper was adjudged the best in International Conference on Dry Zone Agriculture at the Faculty of Agriculture, University of Jaffna, Sri Lanka in 2019. She is a recipient of H.S.Mehta Memorial Best Young Scientist Award 2021 for research work on ash-gourd, chilli and other vegetables, Dr.B.P.Pal Memorial award for the contribution to science and has been conferred on her. Achiever Award 2021 was conferred by the Society for advancement of Human and Nature (SADHNA). She has published 12 books, 26 book chapters, 36 research articles, 20 research abstracts, 5 popular articles and 19 practical manuals.

Address: Assistant Professor (Horticulture), Department of Vegetable Science Horticultural College and Research Institute, Coimbatore -641003; Phone: 0422 6611283, 0422 6611374, Mobile No. : 94435 06237; E-mail: drushajana@rediffmail.com

13.1.11 DR. VARAKALA SUCHITRA (CF-393)

Dr. V. Suchitra, graduated in agriculture from COA, R'Nagar ANGRAU, Hyderabad and earned her masters, M Sc Ag, horticulture SVAC, Tirupati and PhD (Hort.) from SHIATS, Allahabad. Starting her career, as Agricultural Officer in the Department of Agriculture, Andhra Pradesh, in 2002 she served on various positions, she joined as Assitant professor a tDr. YSR Horticultural University,2007 and subsequently, was Senior Scientist and Head at Horticultural Research Station, Adilabad (SKLTSHU, Telangana

State, 2019. In her career spanning 20 years, Dr Suchitra has contributed significantly to research, teaching and extension in the field of horticulture. She developed expertise in production of fruits, vegetables, spices and oil palm. As a teacher, she taught UG, PG and PhD courses and carried research in AICRIP on oil palm and supervised 7 M.Sc. students.. She is credited to have identified heat tolerant potato cultivar, and coloured dragon fruit. She developed pruning method in apple ber, production system for Kharif onion and bagging in banana. She was also associated with banana germ-plasm maintenance and evaluation. She has published 25 research papers in peer reviewed journals, 10 papers in proceedings, 2 book chapters, 4 manuals and 8 popular article. She is a regular speaker in All India Radio and Doordarshan related with horticultural techniques. Her significant contributions have earned her many awards namely Research Excellence Award-2022, INSC- Institute of Scholar Bengaluru, Scientist of the year, 2021, best paper in International Journal of Tropical Agriculture 2021, International Conference on Agriculture, Horticulture and Food science at Shimla!.Certificate of Appreciation, NRC-Banana, 2021, Best Women Research Award, 2018, International organisation for Scientific and Research Development, Chennai, 2018, Excellence in Teaching award 2017, EET CRS 5th Science & Technology, 2017. Best oral presentation award, TNAU, 2017. She is expert for selection of SRF, Paper setter for PG and PhD entrance exams, 2015-16 and life member of 3 professional societies. Currently she is heading a research centre involved in research and training.

Address: Horticultural Research Station, Adilabad, 504001, Telangana State.Mobile:9492767348, 6369803253. Email:varakalasuchi3@gmail.com (Personal)hrsadilabad@gmail.com

13.1.12 Dr. K.P. SINGH (CF-285)



Address: Dr. K.P. Singh, Vice Chancellor, Mahatma Jyotiba Phule Rohilkhand University, Pilibhit By Pass Road Bareilly, 243006,(U.P); Email:vcoffice@mjpru.ac.in; Phones : 0581-2527282 (O),0581-2523378 (R)

The details are furnished under para.....

13.1.13 MAHATMA JYOTIBA PHULE ROHILKHAND UNIVERSITY (CF-394)



MJPR University, Bareilly was established in 1975 and it is spread over in 206 acres land and headed by Dr. K.P. Singh, as a Vice Chancellor. The University has promoted intellectual growth and shape their personal development and has to mission the provide multidimensional quality education. Main objectives of the University to develop, preserve and augment best pedagogical infrastructure across the institutional community to employ amass and enrich the best minds in possession of the best academic and pedagogical skills and expertise as faulty and trainee faulty, give them a duly supportive working environment. The University has 24 departments, 17 government colleges, 29 government aided colleges and 528 private colleges. The University offers 36 post graduate, 15 under graduate. The University also provides under graduate in engineering, hotel management, 9 diploma, 20 PG diploma, 34 doctoral programmes and also post graduate programmes in agriculture. The university of the faculty of applied science, engineering & technology, law management, social science, education and allied science, science, arts, commerce, agriculture and Ayurved. The University has well equipped with modern equipments, training &

placement cell, advance sports complex, state of art infrastructure, health centre, green campus, wifi campus and has on-line education system. The university provides activities and the campus is vibrate for its promotion as well as university of the students. There are various opportunity to participate in activities and upgrade their skill themselves. The students of MJPRU, get a whole some environmental to further all academic curriculum and extra curriculum interest.

Address : Dr. K.P. Singh, Vice Chancellor, Mahatma Jyotiba Phule Rohilkhand University, Pilibhit By Pass Road Bareilly, 243006,(U.P); Email:vcoffice@mjpru.ac.in; Phones : 0581-2527282 (O),0581-2523378 (R)

13.1.14 Dr. A.K. JOHRI (CF-395)



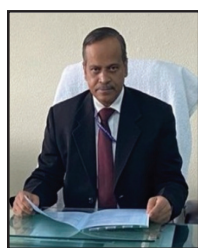
Dr A.K. Johri, born on 25th June, 1960 at Bulandshar, Uttar Pradesh, graduated in agriculture with Hons., 1980, obtained masters in Agronomy, 1982 from Meerut University, Meerut (UP). He got research fellowship of PI-480 scheme Dynamic Modeling of Wheat Production System at PAU Agricu, Ludhiana, and served there from 1982 to 1983. Then he joined GB P U A & T for Ph.D. from 1983 to 1988 and was also awarded research assistantship from 1985 to 1988. Starting his career as Assistant Scientist (Agronomy) in AICRP(M&AP) at Dr YS Parmar University of Horticulture and Forestry, Nauni (Solan), H P, in 1989 he served there till 1993. He was engaged in research and development work on medicinal and aromatic plants besides teaching at UG and PG level. He was also involved in transfer of agro-techniques and development of herbal garden in different climatic zones of Himachal Pradesh with objectives to promote cultivation of high value cash crops like temperate fruits, off season vegetables and training in various aspects of horticulture and forestry for increasing productivity and self-employment. In 1993 he joined the Dabur Research Foundation, Sahibabad (Ghaziabad) U.P. as Assistant Manager (R&D-Agriculture), for the establishment of the Agri-Horti-Forestry Centre for development & cultivation of 200 herbs. Later he was promoted as Manager (R&D) in 1997 and worked for project 'Plant for Life' in collaboration with Plant Science International PLC, UK and New Seeds and Products, Montana, USA. He was instrumental in designing and installing the state of the art Controlled Photo-environment Facility for production capacity of 5 million saplings at Banepa, Kathmandu, Nepal. In 2000, Dr Johary was alleviated to the position of Senior Group Leader for Natural Bioresource Centre. He led the effort to sign an MoU with Essex Farm, USA for the development of Aromatic Plants Centre at both Nepal and India, besides extended backward integration programme in nine states of India, Nepal and Bhutan.

In 2006, Dr Johary, joined Field Fresh & Foods Pvt. Ltd. (a subsidiary of Airtel) for setting up a full-fledged R&D Centre to develop or refine technology to grow, organise multi-location trials, procurement, processing, and export of a range of 29 vegetables and 8 fruits in collaboration with Lady Lynn Forester DE Rothschild, UK. He also collaborated with Singapore based processed food producer Del Monte Pacific Ltd (40% stake). In 2008, it evolved into a 50:50 retail joint venture, called Bharti Wal-Mart Pvt. Ltd. Dr Johri has vast experience to work with renowned international partners such as Bomford from France, Sumich from Western Australia, Barfoot from UK, Fast Food PTY. LTD from Australia, Dole Fresh Fruits from California and Wal Mart. In Feb. 2009 Dr Johri worked as a senior management consultant at Ruchi Soya, India for collaborative project with Allied Venture, Uruguay, Latin America, for backward integration of pulses, oilseed and cereals. In 201, he joined as General Manager, R&D and QA for agribusiness at DS Group, Noida (Uttar Pradesh) for the development of sandalwood project besides fruit crops, pulses, oilseed, vegetables etc. In 2019, he worked as a Consultant for M&AP Plants with Coach Nutrachem India Pvt Ltd., Bangalore and with Gel India, New Delhi. Currently, he is a Consultant in HP Shiva Project with E&Y Gurgaon (Haryana), as an International Horticulture Specialist

and Team Leader for the development of horticulture sector in seven sub-tropical districts of Himachal Pradesh. In his career, he has visited many countries namely Bhutan, Germany, Indonesia, Latin America, Malaysia, Morocco, Nepal, Singapore, UK and USA. He has expertise in exploring new markets, developing agribusiness, and producing horticulture crops. He has published more than 15 papers in national & International journals and contributed two chapters in books. He has been a trainer for nursery raising plantation, nutrient management, IPM & plant architecture etc. His contributions have brought him recognition at the highest level.

Address: C-105 Omicron 1A, Greater Noida (Gautambudh Nagar), U.P. 201308, India
 Email: ak_johri@yahoo.co.uk. Mobile: 9212683579.

13.1.15 DR. T.K. BAHERA (CF-396)



Dr. T.K. Bahera, born at village Brahmapur, Dist. Balasore, Odisha, graduated from OUAT-Bhubaneswar, Odisha and earned his Ph. D. from Indian Agricultural Research Institute, New Delhi and completed Post-Doctoral Fellowship programme at University of Wisconsin, USA. Presently he is working as the Director, ICAR-Indian Institute of Vegetable Research. Before joining the post of Director, he worked as scientist to principal scientist in Division of Vegetable Science, ICAR-Indian Agricultural Research Institute, New Delhi. He also served as the Professor in the Discipline of Vegetable Science, P G School, IARI and Nodal Officer, ICAR-IARI-

Jharkhand, Hazaribag. DrBahera is associated in developing 23 varieties and hybrids in brinjal, cucumber and gourds those are released through CVRC and State Seed Sub-committee for Variety Release and Notification. Few of these varieties are licensed to Pvtseed Companies for seed production. He isolated gynoecious lines in bitter melon from its feral form, *Momordica charantia var muricata* and introgressed *gy-1* gene into commercial cultivars of bitter melon those are licensed to Pvt. Seed companies through MOU. He introgressed gynoecious trait (*F* locus) in Indian cucumber using marker assisted back cross breeding (MABC). A bitter melon variety, **Pusa Rasdar** developed by him is exclusively suitable for protected cultivation. He guided 12 Ph. D and 2 M.Sc. students at P.G School, IARI, New Delhi. He served as chairman of the sub-committee to develop post graduate course curriculum on Horticulture for IM-ACRE programme of Myanmar and ANASTU, Afghanistan. He has published 125 papers in peer reviewed journal, edited 3 Books and authorized 15 book chapters and 7 training manuals. He was deputed to USA, Australia, France, Russia, Thailand, Libya for academic assignments. He was the member of XI Five Year plan for Horticulture, Plantation Crops and Organic Farming, RAC (ICAR-DMR, Solan & BAU, and Bhagalpur) and Institute Management Committee of ICAR-IIHR, Bengaluru, ICAR - CCARI, Goa, ICAR-CIAH, Bikaner and ICAR-DOGR, Pune. He also served as FAO International Consultant in Vegetable Breeding at Libya 2010. He is **Fellow** of Fulbright-Nehru Academic and Professional Excellence (USIEF), National Academy of Agricultural Sciences (NAAS), Indian Society of Plant Breeding and Genetics (ISGPB), Indian Academy of Horticultural Science (IAHS), Indian Society of Vegetable Science (ISVS)

His contributions have earned him many awards. To the name the few are :including XXth Hari Krishna Shastri Memorial Award (2019), Best Teacher Award for Higher Education (2018), Dr Biswajit Choudhury Memorial Award (2018), Dr Kirti Singh Gold medal (2016), Fulbright-Nehru Academic and Professional Excellence Fellowship (2015), Hooker Award (2010), DBT Associateship (2006), Dwarka Nath Memorial Medal (2000). He is presently associated as the Secretary of Indian Society of Vegetable Science (ISVS) and member of the EC of Indian Academy of Horticultural Science (IAHS). He also served as Editor of HSI

(2011-19), Agricultural Research Journal (from 2016) and Indian Society of Agricultural Sciences (2012-16), Assistant Editor of CGCR, USA (from 2008) and Treasurer of HSI (2015-18).

Address: Prof. TusarKantiBehera, Director, ICAR-Indian Institute of Vegetable Research, Jakhini, Shahanshapur, Varanasi 221305; Email:Director.IIVR@icar.gov.in; Mob.: 9868342628; Landline; 0542-297 5111

14.0 CHAI-DONOR PATRON

14.1 CHAI-Donor Patron 2022

14.1.1 JAIN IRRIGATION SYSTEMS LIMITED: CF-0036



Jain Irrigation Systems Ltd., often known as Jain Irrigation, JISL, is a multinational organization with global presence in 120 countries, is based in Jalgaon, Maharashtra, India. JISL employs over 7,500 workers, having 24 manufacturing plants, manufactures a number of products, including drip and sprinkler irrigation systems and components, integrated irrigation automation systems, PVC and PE piping systems, plastic sheets, greenhouses, bio-fertilizers, solar water-heating systems, biogas plant on turnkey basis, wind hybrid energy and photovoltaic system. JISL also processes dehydrated, concentrated and frozen fruits and vegetables. The Crawford Reid Memorial Award instituted by the US-based Irrigation Association was given to Sh. B.H. Jain, founder and Chairman, for “Significant Contribution to the Irrigation Industry outside the United States”. JISL is largest producer of tissue culture plants and are committed for research and development in horticulture. The Founder Chairman is recipient of Padmashri and many other awards for his contribution to technology-led development.

Address: Jain irrigations Sys. Jain Plastic Park, N.H. No. 6, Jain Hills, P.O. Box: 72, Jalgaon-425001, MS (India), Tel.: +91-257-2258011; Fax: +91-257-2258111 E-mail: jisl@jains.com;ajit@jains.com, Website: www.jains.com.

Corporate Fellow-2012, Member Executive Council-2016 to till date

15.0 Associate Fellow of CHAI

15.1 Associate Fellow of CHAI-2022



15.1.1 Dr Popy Bora, Scientist, Plant Pathology, AAU, Jorhat, Assam

Dr. Popy Bora, born on 28th May 1981, is currently working as Scientist (Plant Pathology) in the Department of Plant Pathology, Assam Agricultural University, Jorhat, Assam. Her current research interests include: screening of endophytes for developing microbial bio-formulations against diseases, microbial bioremediation of contaminated soils etc. Dr Bora has made significant contributions towards development, teaching and extension of bio-pesticides leading popularisation of bio-intensive management of plant diseases, prevalent in northeast India. Many of the technologies developed by Dr Bora are being effectively used in farmers' field and are included in the package of practices. Dr Bora published 61 papers and has editorial experience of frontiers in Plant

Science. She is recipient of Young Horticulture Scientist Award from Society for Horticultural Research and Development (Uttar Pradesh, India) and Young Woman Scientist Award from Agricultural Education and Technology Development Society (Uttarakhand , India) for her plant protection research . Dr Bora has coordinated three national webinars as Organising Secretary and one ICAR sponsored Short Course. She is currently coordinating the bio-pesticides research and development, besides capacity building across entire northeast India through various flagship programs of DBT. Dr Bora is also recognised as Visiting Scientist at AREEO, Ministry of Agriculture, Tehran, Iran.

Address: Scientist (Plant Pathology) Department of Plant Pathology, Assam Agricultural University, Jorhat 785013, Assam Email pbora.sonitpur10@gmail.com. Mobile no 8638493087 / 9531131196.

RECIPIENTS OF AWARDS AND RECOGNITION (2012-2021)

1 Honoured Fellow of CHAI Awardee

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 nationally and internationally, in improving the infrastructure, policy and programs of research and development impacting Indian Agriculture.

Awardees-2022:	Prof.(Dr) A.K. Srivastava, Member, Agricultural Scientist Recruitment Board (ASRB), KAB-I, New Delhi
Awardees-2021:	Dr Shailendra Joshi, IAS, Former Chief Secretary, Government of: Telangana
Awardees-2020:	Dr. Rita Sharma, IAS, Former Secretary to Govt. of India, MORD
Awardees-2019:	Shri Jagdish Prasad Meena, Former Secy. MoMFPI, New Delhi Dr. Ashok Dalwai, CEO, NRAA, New Delhi Prof.(Dr.) A. K Misra, Chairman, ASRB, New Delhi
Awardees-2018:	Prof. Ramesh Chand, member, NITI Aayog
Awardees-201:	Dr. R.B. Singh, Chancellor, CAU, Imphal & Former Chairman, ASRB Dr. Trilochan Mahapatra, Secretary (DAE) & DG, ICAR
Awardees-2016:	Dr. Rajendra S. Paroda, Chairman, TAAS Dr. S. K. Pattanayak, Former Secretary, Agriculture

2 . Life Time Achievement Awardee

The **Life Time Achievement Award** recognizes an outstanding contributions, 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.

Awardee-2022:	Dr.T.Janakiram, VC, Dr.YSRHU, Venkataramannagudem, A.P.
Awardee-2021:	Dr. P. Chowdappa, VC, BES&TIU, Anantapur, Andhra Pradesh
Awardee-2020:	Dr. S. B. Dandin, Ex-Vice Chancellor, UHS, Bagalkot
Awardee-2019:	Dr. James George, Former PC, AICRP, CTCRI, Trivandrum, Kerala
Awardee-2018:	Dr. P. Rethinam, Plantation Crops Management Specialist, Coimbatore
Awardee-2017:	Dr. K.V. Peter, Former, VC, KAU
Awardee-2016:	Dr. S. M. Paul Khurana, Former Vice-Chancellor, India
Awardee-2015:	Dr. Augustin Molina, Bioversity International, Philippines
Awardee-2014:	Dr. H. P. Singh, Former DDG (Hort), ICAR
Awardee-2013:	Dr. Prem Nath, Chairman, PNASF, India
Awardee-2012:	Dr. Kirti Singh, Chairman, World Noni Research Foundation, India
Awardee-2011:	Dr. K.L. Chadha, President, Horticulture Society of India

3. Honorary Fellow of CHAI Awardee

Confederation of Horticulture Associations of India (CHAI) recognizes the leader in horticulture for their commitment and pursuance to achieve the goal of technology led development. This award is conferred for excellence in scientific research to the distinguished members for their outstanding achievements and significant contributions in agriculture/horticulture research, education and development.

Awardees of 2022:	Dr. B.Neeraja Prabhakar, Vice Chancellor, SKLTS Horticultural University, Mulugu, Siddipet Dist. Dr R K Singh, Former Director/Vice Chancellor, ICAR-IVRI, Bareilly Dr. N. K. Gontia, VC, JAU, Junagadh, Gujarat Dr. K. P. Singh, VC, M.J.P. Rohilkhand University, Bareilly, U.P.
Awardees of 2021:	Dr. Nazeer Ahmed, VC, SKUAS&TKS, Srinagar , J&K Dr D R Singh, VC, CSAUAT, Kanpur, UP Dr S D Sawant, BSKKV, Dapoli, Maharastra Dr Arvind Kumar, DDG(Research), ICRISAT, Hyderabad (CF-365) Dr. B.N.S. Murthy, Director, ICAR-IIHR, BAngalore(CF 370)
Awardees of 2020:	Dr. Chindi Vasudevappa, VC, NIFTEM, Haryana Dr. Ajoy Kumar Singh, VC, BAU, Sabour, Bhagalpur, Bihar Dr. Tej Partap, VC, GBPUA&T, Pantnagar, Uttarakhand Dr. A.K. Karnatak, VC, VCSGUUH&F, Bharsar, Pauri Garhwal Prof. Arvind Kumar, VC, RLBCAU, Gwalior Road, Jhansi
Awardees of 2019:	Dr. Atanu Purkayastha, Former Secretary, ICI, Gol, New Delhi Dr. Sanjeev Kumar Chadha, MD, NAFED, New Delhi Dr. S. K. Malhotra, AC, MoA&FW, Govt. of India, New Delhi Prof. (Dr.) Sisir Kumar Mitra, Kalyani, Nadia, West Bengal Dr. S.K. Patil, VC, IGKV, Raipur, Chhattisgarh
Awardees of 2018:	Dr. Chiranjiv Chaudhary, VC, DrYSRHU, Venkataramannagudem, AP Dr. Arjun Singh Saini, Dy. Horticulture Department, Panchkula, Haryana Prof. Dr. K.P. Singh, Vice Chancellor, CCSHAU, Hisar, Haryana; Dr. V Praveen Rao, Vice chancellor, PJTSAU, Telangana Dr. K.P. Viswanatha, Vice Chancellor, MPKV, Rahuri, Maharashtra Shri Bijay Kumar, I.A.S., Addl. Chief Secy, AHDD&FD, Mumbai
Awardees of 2017:	Dr. Jai Singh Parihar, Former Director, ISRO Dr. Narsingh Narain Singh, Former VC, BAU, Ranchi Dr. K.V. Peter, Former VC, KAU, Trichur, Kerala Dr. Narendra Singh Rathore, DDG, Education, ICAR Dr .V. V. Sadamate, Former Advisor, Planning Commission
Awardees of 2016:	Dr. A. K. Srivastava, Director and VV, NDRI, Karnal Dr. A R Pathak, VC, JAU, Junagardh Dr. S. M. Paul Khurana, Former Vice-Chancellor Dr. Balraj Singh, VC, JAU, Jodhpur
Awardees-2015:	Mr Surjit Chaudhary, IAS, Former Secretary, C&PC Dr. A K Singh, Principal Scientist (Horticulture), CISH
Awardees-2014:	Dr. H. S. Gupta, Director General, BISA Prof. (Dr.) N. C. Gautam, Vice Chancellor Dr. N. K. Krishna Kumar, DDG (Hort), ICAR
Awardees-2013:	Dr. Dilip Kumar, CIFA (ICAR); Founder Member Dr. Shyam Singh, Former Director, Agriculture in A&N
Awardees-2012:	Dr. H. P. Singh, Chairman –CHAI Dr. D. P. Ray, Former Vice-Chancellor Dr. P. Rethinam, Plantation Crops Management Specialist Dr. S. P. Dandin, Ex Vice-Chancellor Dr. A. K. Bakhshi, Former Vice-Chancellor Dr. D. K. Arora, VC, SKUAT, Jammu

4 Padma Bhusan DR. R.S. Paroda Award for Excellence in Horticulture

This award recognizes distinguished scientific contribution of an individual in the field of agriculture specially horticulture, including biotechnology and environmental sciences.

Awardee-2022:	Dr. Dilip Ghosh, Director, CCRI, Nagpur, Maharashtra
Awardee-2021:	Dr. Sanjay Sahay, Chairman, BAU, Sabour, Bhagalpur, Bihar
Awardee-2020:	Dr. Harshawardhan Choudhary, PS, ICAR-IARI, New Delhi
Awardee-2019:	Dr. Sunil Pareek, NIFTEM, Kundli, Sonapat, Haryana
Awardee-2018:	Dr. Gopal Lal, Director, NRCSS, Ajmer
Awardee-2017:	Dr. Anil B Patil, Vice President, JISL, Jalgaon
Awardee -2016:	Dr. D. R. Singh, Director, NRCO, Sikkim
Awardee-2015:	Dr. S.K. Malhotra, Agri. Commissioner
Awardee-2014:	Dr. Nazir Ahmed, Vice Chancellor, SKUAT Kashmir
Awardee-2013:	Dr. Vishal Nath, Director, NRCon Litchi, Muzaffarpur
Awardee-2012:	Dr. Gorakh Singh, Ex-Horticulture Commissioner,
Awardee-2011:	Dr. S. Rajan, Director, Central Institute for Subtropical Horticulture

5 Padma Shri DR. B.H. Jain Award for Excellence in Dissemination of Knowledge

This award recognizes individual who have contributed for human resource development or dissemination of knowledge (teaching) and technology (extension/development), which has impacted overall development of horticulture/agriculture.

Awardee- 2022:	Dr. Chandeshwar Tiwari, Director Extension, VCSGUUHF Bharsar, Pauri , Uttarakhand
	Dr. Babita Singh, Project Manager, GEF, Rainforest Alliance, New Delhi
Awardee- 2021:	Dr P Soman, Chief Agronomist (Global), JISL, Chennai, Tamil Nadu
Awardee- 2020:	Dr.V V Sadamate, Agril. Extn. Specialist & Former Adviser Agriculture, Planning Commission, GOI
Awardee- 2019:	Shri. Kalyansing B. Patil, JISL, Jalgaon
Awardee- 2018:	Dr. M.D. Ojha, Associate Prof, NCH, Noorsarai, Nalanda
Awardee- 2017:	Dr. Ashok Kumar Mishra, Former Dean, JAU and Sr. Manager, JISL
Awardee- 2016:	Dr Anoop K. Srivatava, Principal Scientist, Nagpur
Awardee-2015:	Dr. M. R. Hegde, Former Principal Scientist and Chairman
Awardee-2014:	Dr. N. L. Patel, Dean, ASPEE College of Agriculture
Awardee-2013:	Dr. T. Jankiram, ADG (Horticulture)

6. Ramnandan Babu Award For Innovations In Farming

This award recognizes the innovations in farming for enhanced productivity of land and water, generating higher income per unit of land.

Awardee 2022:	Dr. Kariyanna, Hitkari Horticulture Foundation, Plot No 31/1A 8 th Main, Triumallapa Nagar,Attur Layout, Yelahanka New Town, Bangalore
Awardee 2021:	K. Ravi Kiran, Guntur, Andhra Pradesh
Awardee 2020:	Shri Dharmhari Prasad Narain Singh, Progressive Farmer, Varanasi, U.P.
Awardee 2019:	Shri Sudhir Chadha, Indo Dutch Horti. Technology, Bhimtal, UK

Awardee 2018:	Shri Dinesh Kumar, Muzaffarpur, Bihar
Awardee 2017:	Mr Bhagwat Patil Raver, Jalgaon
Awardee-2016:	Mr. D. P. N. Singh, Varanasi
Awardee-2015:	Mr. Sudhansu Kumar, Nayanagar, Samastipur
Awardee-2014:	Dr. S. S. Mehta, V.P. AIPUB, Salem

7. JISL Fellowship for Visit Abroad

This fellowship is given to promote young scientists and knowledge provider to participate in international conference and to take training abroad for Knowledge enhancement..

Awardee-2022:	Dr. L. Pugalendhi, Dean, HC&RI, TNAU, Coimbatore
Awardee-2021:	Dr. Dinesh Kumar, PS(H), CCRI, Nagpur, Maharashtra Dr. Awani Kumar Singh, PS (Veg./Hort. Sci.), CPCT, IARI, New Delhi
Awardee-2020:	Dr. K. Murlidharan, CPCRI Kasararagod, Kerala Dr. P.K. Gupta, Director, NHRDF, New Delhi
Awardee-2019:	Dr. Sanjay Kumar Singh, Sr. Scientist, NRCL, Muzaffarpur Dr. Kuldeep Srivastava, Sr. Scientist, NRCL, Muzaffarpur
Awardee-2018:	Dr. Anil Kumar Singh, DRPCA, Pusa
Awardee-2017:	Dr. R.C. Srivastava, VC, DRAU, Pusa
Awardee-2016:	Dr. Manoj Kumar, Head, ICAR-CPRS, Patna
Awardee-2015:	Dr. S. S. Sindhu, Head, IARI, Indian Agricultural, New Delhi
Awardee-2014:	Dr. Sunil. Pareek, Associate Professor, NIFTEN

8. DR. RAY Best Dissertation Award

This award is given for best Ph.D. thesis based on relevance of topic of research, quality of research output and outcome and its application in the field of science.

Awardee 2022:	Dr. Manish Kumar, IARI, PG Outreach Programme at ICAR-IIHR, Bengaluru
Awardee 2021:	Dr. Suchismita Jena, CoHF, NAU, Navsari,
Awardee-2020:	Dr. Nighat Mushtaq, SKUAST, Srinagar
Awardee-2019:	Dr. Jogdand Sunil Mohan, GBPUAT, Pantnagar
Awardee-2018:	Dr. M.Gopi, NRC for Banana, Trichy
Awardee-2015:	Mr. Pawan Kumar, IARI, New Delhi
Awardee-2014:	Dr. S. Muthu Kumar, TNAU, Coimbatore

9. CHAI - Life Time Recognition Award

The award recognises a life time contributions of an individual to research, education, development and extension of specific commodity, which succeeded in achieving unparalleled growth. The awardee shall become the Fellow of CHAI and can avail all the benefits admissible to the Fellow of CHAI.

Awardee-2022:	Dr. A.K. Srivastava, Principal Scientist (Soil Science), CCRI , Nagpur, Maharashtra
Awardee-2021:	Dr. Chiranjivi Chaudhary, IFS, Commissioner of Horticulture, AP.
Awardee-2020:	Dr. S. K. Chakrabarti, Former Director, ICAR-CPRI, Shimla DR. J. KUMAR, Dean, CoA, GBPUA&T, Pantnagar
Awardee-2019:	Dr. N. Kumar, Vice Chancellor, TNAU, Coimbatore

Awardee-2018:	DR. Bir Pal Singh, Ex-Director, CPRI, Shimla
Awardee-2017:	Dr. N. N. Singh, Former VC, BAU, Ranchi (CF- 339) Dr. H. S. Gupta, Former Director, IARI

10 CHAI- Appreciation Award

This award recognizes the contributions of an individual, contribution in his or her 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. The award carries a citation, a plaque of honour and certificate.

Awardee-2022:	Dr. Vijay Mahajan, ICAR-Directorate of Onion and Garlic Research, Rajgurunagar, Pune, Maharashtra
Awardee-2021:	Dr. Major Singh, Director, DO&GR, Rajgurunagar, Pune Dr. R. Thangavelu, PS, NRC for Banana, Tirichirapalli, Tamilnadu
Awardee-2020:	Dr. Anita Karun, Director, CPCRI Kasaragod Dr. Jai Singh Parihar, Ex-Directpr, ISRO, Ahmedabad
Awardee-2019:	Prof. Salil Kumar Tiwari, GBPUA&T, Pantnagar Shri Santosh Kr. Prasad, CA, New Delhi Mr. Babasaheb T Gore, Ahmednagar, Maharashtra
Awardee-2018:	Dr. Vishal Nath, Director, NRCL, Mushahari, Muzaffarpur, Bihar Mr. Sudhanshu Kumar (Progressive Farmer), Samstipur Dr. Usha Singh, DRPCA, PUSA Dr. Ranjan Srivastava, Head, G.B.P.U.A&T, Pantnagar Mr. Gyan Chand Agarwal, M/s Rajdeep Agri Product Pvt. Ltd., Delhi
Awardee-2017:	DR. Anil Kumar, Prof. & Head, G.B.P.U.A&T, Pantnagar Dr. T. P. Singh, Former Dean PG, RAU, Pusa, Samstipur Dr. P. B. Jha, Former Chief Scientist, RAU, Pusa, Samastipur Dr. A. V. Barad, Dean, College of Agriculture, JAU, Junagadh

11 DR. Kirti Singh Best Paper Award

This award is given for publishing high quality research article in International journal of Innovative Horticulture in the preceding year based on recommendation of committee based on evaluation of original article and approval by Board of Directors. The recipient of award is honoured with certificate and Medal also receives two issues of the Journal in which papers are published.

Awardee-2022:	Dr. Narendra Chaudhary, ICAR-NRCSS Tabiji, Ajmer
Awardee-2021:	Dr. Sawargaonkar S.L. and others, CARS, Raigarh
Awardee-2020:	Dr. Dinesh Kumar & Others (2019), CCRI, Nagpur
Awardee-2019:	Dr. Durai, NRC for Banana, Trichy, Tamil Nadu

12 Various Categories of Fellows

12.1 Institutional Fellow

SKLTSHU, Siddipet, Telangana (CF-387)
MJPRU, Pilibhit by Pass Road, Bareilly, U.P. (CF-394)
BSKV, Dapoli, Ratnagiri, Maharashtra (CF-362)
CSAUAT, Kanpur, UP (CF-356)
SKUAST, Srinagar, J&K, CF-355, 2021

RLBCAU, Jhansi, CF-353, 2020
 VCSGUUH&F, Pauri Garhwal, CF-351, 2020
 GBPUA&T, Pantnagar, CF-349, 2020
 SVIET, Punjab, CF-344, 2020
 BAU, Sabour, Bhagalpur, CF-342, 2020
 NIFTEM, Sonapat, Haryana, CF-337, 2020
 IGKV, Raipur, CF-333, 2019
 NAFED, New Delhi, CF-328, 2019
 TNAU, Coimbatore, CF-325, 2019
 Confederation of NGOs of Rural India (CNRI), New Delhi, CF-296, 2018
 Mahatma Phule KrishiVidyapeeth (MPKV), Rahuri, Maharashtra, CF-292, 2018
 PJTSAU, Hyderabad, Telangana, CF-289, 2018
 CCSHAU, Hisar, Haryana, CF 284, 2018
 Maharana Pratap Horticultural University, Karnal, CF-281, 2018
 Department of Horticulture, Panchkula, Haryana, CF 275, 2018
 Dr YSRHU, Venkataramannagudem, AP, CF 266, 2018
 JAU, Junagadh, CF-250, 2017
 The Trust for Advancement of Agricultural Sciences (TAAS), New Delhi, CF-245, 2017
 PHD Chamber of Commerce, CF-195, 2014
 University of Horticulture Science, Bagalkot, CF- 190, 2014
 Navsari Agriculture University, Navsari, CF-151, 2013
 Lt. Amit Singh Foundation, CF-0121, 2013

12.2 Corporate Fellow

Dhanuka Agritech Ltd, New Delhi ,CF-251, 2017
 Skymet Weather Services Ltd., Noida, U.P. CF-240, 2017
 AJ Group, Jodhpur, Rajasthan, CF-235, 2016
 Agriculture Today, New Delhi CF-222, 2016
 Merino Group, Hapur, U.P. CF-0154, 2013
 Florence Flora, Bangalore, Karnataka CF-0119, 2013
 Media Today, New Delhi CF-0132, 2013
 Aurohill Group of Company, Dubai CF-0149, 2013
 Jain Irrigation Systems Limited, Jalgaon, Maharashtra CF- 0036, 2012
 Noni Biotech, Chennai: CF -0096, 2012

12.3 Association Fellow

Horticultural Society of Gujrat, CF-171, 2014
 Aonla Growers Association of India, CF-0097, 2013
 Society for Promotion of Horticulture, CF-0056, 2012
 Society for Promotion of Oil Palm Research and Development, CF-0053, 2012
 Indian Society for Spices, CF-0009, 2012
 Indian Society for Plantation Crops, CF-0008, 2012
 Indian Potato Association, CF-0007, 2012
 Indian Society of Ornamental Horticulture, CF – 0006, 2012
 Association for Improvement in Production and Utilization of Banana (AIPUB, Trichy), CF-0005, 2012

12.4 Fellow of CHAI-As per List

12.5. CHAI Achiever's Award

This award recognises the personnels who have reached to the level of Vice chancellor or equivalent in their career and have outstandingly contributed to research, education, extension and development of horticulture/horticulture and have provided leadership of par excellence. The Awardee has to be a Fellow of CHAI. This award will be given annually, depending on recommendation of Search Committee and approval by the Board of Directors of the CHAI. The Award carries a Plaque of Honour, certificate and citation.

13. CHAI Achievers' Award-2021

- 13.1 **Dr. D.R. Singh**, Vice Chancellor, CSAUA&T, Kanpur,
- 13.2 **Dr. Bijendra Singh, VC** ,ANDUA&T, Kumarganj, Ayodhya
- 13.3. **Dr S K Chakrawarti, VC** ,UBKV, Pundibari, Cooch Behar, West Bengal
- 13.4 **Prof. B S Mahapatra**, Vice Chancellor, BCKV, Mohanpur, Nadia, West Bengal
- 13.5 **Dr. S.D. Sawant**, VC, DrBSKVV, Dapoli, Ratnagiri, Maharashtra
- 13.6 **Dr. Narendra S Rathore**, VCMPUA&T, Udaipur, Rajasthan
- 13.7 **Dr. P. Chowdappa**, VC,BES&TIU, Anantapur, A.P.
- 13.8 **Dr. T. Jankiram**, VC, DRYSRHU,Venkataramannagudem, West Godavari, AP

GUIDELINES OF AWARDS AND FELLOWSHIPS

CHAI-AWARDS AND FELLOWSHIPS

The Confederation of Horticulture Associations of India (CHAI), has instituted various awards and fellowships, **CHAI-Honoured Fellow** is conferred to distinguished personalities for the leadership. CHAI- Lifetime Achievement Award and Honorary Fellowships are conferred to recognise the scientists for their contributions and excellence in agricultural sciences, specially horticulture, including biotechnology and environmental sciences, Padma Bhusan **CHAI-Dr. R. S. Paroda Awards** for Excellence in research, **CHAI- Padamashri Dr B.H Jain Awards** for excellence in dissemination of technology, **CHAI-Ramnandan Babu Awards** for innovative farmers. To support the scientists for the participation in conference abroad, JISL Fellowship is provided. **CHAI- Life Time Recognition Award**, and **CHAI Appreciation Awards have also been Instituted**. These awards/fellowships are 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 organised or supported by the CHAI or foundation day. The guidelines framed for nomination, selection and conferment of awards and fellowship, as finalised by Board/Directors/Chairman, which are liable to be amended, from time to time, for CHAI Awards and Fellowships are:

1) CHAI-HONOURED FELLOW Award

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

- **Eligibility for nomination:** He or she nominated for Honoured Fellow of CHAI should have attained 50 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 honour.
- **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 informations 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) CHAI-LIFE TIME ACHIEVEMENT AWARD

CHAI-Life Time Achievement Award, 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, nationally and internationally, as supported by the publications, products, processes, cultivars and patents etc. The nomination with bio-data in performa, as given in the Annexure 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 become the Honorary Fellow of the 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. CHAI- HONORARY FELLOW

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. CHAI-PADAM BHUSAN R.S PARODA AWARD

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 positions, the contribution of Dr. R.S. Paroda as Director General, ICAR is memorable to all the scientists in the country. He still continues serving farmers' 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 Rs 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 the 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) 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) CHAI- PADAM SHRI B.H JAIN AWARD

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 adopting the new technology 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) CHAI- RAMNANDAN BABU AWARD

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 innovations. 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 be given once in a year and shall consist of citation, a plaque of honour and certificate. 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 announcement 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) 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 Chancellors, 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) CHAI-JSIL FELLOWSHIP

This is a sponsored fellowship to promote young scientists, entrepreneurs, farmers and 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 shall be same as in point No.6.

8) CHAI- Dr RAY BEST DISSERTATION AWARD

The **Confederation of Horticulture Associations of India (CHAI)**, to recognizes the research work of the students at Ph.D. level, by conferring CHAI-Dr Ray Best Dissertation Award, based on the relevance of topic of research, quality of research output, outcome and its application in the field of horticultural sciences. This award is given once in a years. The awardees will receive the certificate, plaque of honour and free subscription of Journal – International Journal of Innovative Horticulture for 5 years. Selected candidate have to present their work in forthcoming conference, organised or supported by CHAI.

Eligibility for nomination

- The student who has submitted the thesis and has completed the viva voice in the year.
- The student who has been awarded Ph.D. in last preceding year, are also eligible to apply for the consideration.
- Dissertation can be in any branch of horticulture relevant to the current context of horticulture research and development.

How to apply?

The interested eligible candidates can send their application, on or before 31st January, with full details, containing name and address title of thesis and summary of thesis along with a copy of dissertation for consideration by Confederation of Horticulture Associations of India (CHAI). The application should be sent at confedhortiamit@gmail.com and a hard copy of application along with copy may be sent to 249, Veer Awash, 18a sector, Dwarka, New Delhi-110078, phone 9871450730.

Selection for the Award Based on the criteria of relevance, metrology, quality of research and brevity of presentation in discussion, Selection Committee will recommend best thesis, from among the received application to Board of Directors/ the Chairman CHAI. On approval of the Board of Directors/Chairman CHAI, communication will be sent to selected candidate.

The Award of Best Dissertation

The CHAI- Dr Ray Best Dissertation Award-2018 will be presented to selected candidates in ACGM of CHAI on 28th May, on the venue of conference

- The Award Carries a plaque of honour and certificate of appreciation
- Reimbursement of registration fee paid for participation in the conference
- Reimbursement of travel expenses not exceeding train ticket charges in 3AC
- The Awardee will be Associate Fellow of CHAI for 5 years or till he become eligible for Fellow of CHAI, whichever ever is earlier
- International journal of Innovative Horticulture (soft copy) will be given for five years free of cost to the Awardee
- The Awardee will be eligible to publish his research paper in the Journal, subject to approval by the peers.

Application Form for CHAI-Dr. Ray Best Dissertation Award-2021

To

Chairman CHAI

Thesis entitledof

Mr/Msis nominated for the award of the CHAI- Dr Ray Best Dissertation Award 2018

Dean of the college

Address: Phone no

E-mail:

Name of the nominee:

Title of the thesis

Address:.....Phone/Mobile No. :.....

E-mail:

Summary of the thesis not exceeding 300 words

Field of specialization of the nominee

Salient recommendation:

Significant achievements in research work

Innovations, if any

likely contribution in quality improvement and export promotion of horticulture

DECLARATION

I certify that the information given above is correct to the best of my knowledge and belief. I shall abide by all the regulations of CHAI and submitted my report after participation in the Congress.

Place:

Date: Signature of the Nominee

Certificate of Major Guide

This to certify that research work by Mr/Ms.....of the thesis entitled was done under my supervision, and the facts reported is true to my best of knowledge .

Signature of of Major Guide

Address with phono.no. and email

9) CHAI- Kirti Singh 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) to recognizes 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 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 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.

11) CHAI- APPRECIATION AWARD

The Confederation of Horticulture Associations of India (CHAI) to recognizes the contributions of an individual in his or her 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 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 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 centres, Directors/Deans/Joint Directors of ICAR and SAU's/CAU and Presidents of all member societies of the CHAI.

12) FELLOW OF CHAI AWARD

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.

13) CHAI-ASSOCIATE FELLOW OF CHAI AWARD

To recognise the contribution of upcoming research scholar or scientist and facilitate the to achieve excellence, CHAI has decided to honour such young talent. This fellowship recognizes the commitment of all the individuals working in any institution and is providing new concept to science. The interested individual have to apply in prescribed performa along with CV and concept of his research programme and achievements. The Awardee will get a certificate which allows him to publish and get free subscription of International Journal of Innovative Horticulture for 5 years or till he or she become eligible to become Fellow of CHAI. Decision of the Board of Directors/Chairman shall be final. No representation shall be entertained by the CHAI.

14. CHAI- ACHIEVER'S AWARD

This award recognises the personnels (Fellows), who have reached to the level of Vice chancellor or equivalent in their career and have outstandingly contributed to research, education, extension and development of horticulture and have provided leadership of par excellence. The Awardee has to be a Fellow of CHAI. This award will be given annually, depending on recommendation of Search Committee and approval by the Board of Directors of the CHAI. The Award carries a Plaque of Honour, certificate and citation.

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 correspondence 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. 1,50,000, Institutional Member-Rs. 150,000, Association members. Rs 1,50,000 Individual Member- Rs. 30000 *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.**

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

Copyright

CHAI retains copyright for all Society publications. Permission to reprint, republish, or reproduce individual contributions or parts of contributions must be obtained from CHAI in writing. Also, CHAI requires that credit be given by indicating the volume number, pagination, and date of publication.

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 CO₂ 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

Annexure-IV**GUIDELINES FOR PEER REVIEW**

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:

1. Has any material in this article been published previously? If so, please supply details to the editor.
2. Is the research of adequate significance (new findings, confirms or contradicts other work) to warrant publication?
3. Is the research scientifically sound?

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 treatment comparisons?
- iii) Subject(s), are all plants and chemicals identified?
- iv) Materials, are the materials used in study adequate?
- v) 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.

DESCRIPTION OF CATEGORIES

Name of Article Reviewer: Date of Review:

Author(s):

Title:

Requires major revision

- i) Major improvement in style or presentation required.
- ii) Some revision required in description of methodology and/or discussion and interpretation of results.
- iii) Requires major revision and re-review
- iv) Major improvement required in description of methodology and/or discussion and interpretation of results.

Unacceptable

- i) Not relevant to IJH
- ii) Unsuitable experimental procedures.
- iii) Insufficient contribution to knowledge.
- iv) Presentation not of adequate quality.

COMMENTS OF REVIEWERS

Author(s): Title:

Recommendation (check one)

Acceptable with requires major revision

Minor revisions and re-review Unacceptable

Reviewer's Comments (Please provide a paragraph of general comments supporting the recommendation, followed by a list of specific comments. These comments may be in addition to or in lieu of reviewer comments inserted into the text of the article.)

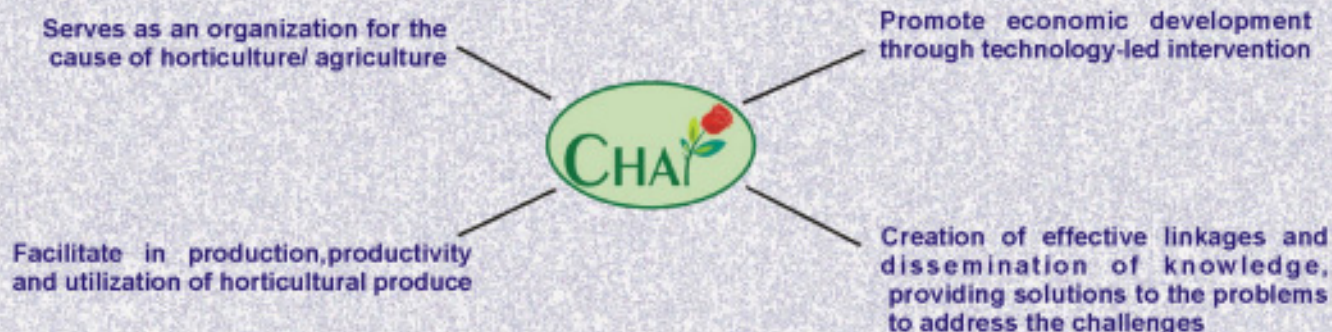
We thank all the reviewers for their dedicated service to IJH, and welcome any comments or suggestions about these requests and instructions specifically, or the IJH review process generally.



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.

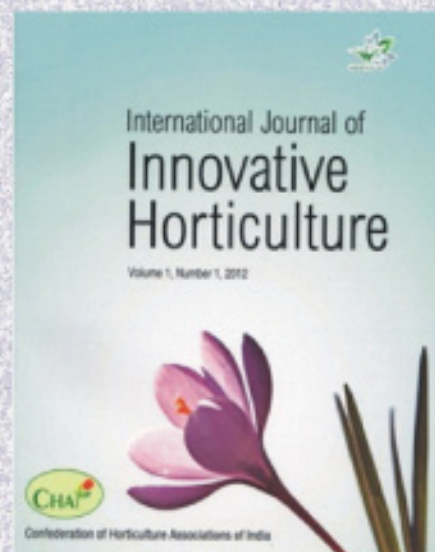
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Member shall be privileged to receive **International Journal of Innovative Horticulture** for 15 years free of cost. They shall be eligible to apply for awards of CHAI and also apply for financial assistance for attending international conferences.

Contact:

Founder Chairman
Confederation of Horticulture Associations of India
249, Vijay Veer Awas, Kargil Colony, Sector18-A, Dwarka
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Tel : 28085749, Mob: 9871450730
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