



CONFEDERATION OF HORTICULTURE
ASSOCIATIONS OF INDIA

CHAI

AWARDS

&

FELLOWSHIPS

2019



Publishing Partner





CHAI

Awards & Fellowships - 2019



CONFEDERATION OF HORTICULTURE ASSOCIATIONS OF INDIA

(An ISO 9001:2008 Certified Organisation)

249, Vijay Veer Awas, Kargil Apartments, Sector 18A

Dwarka, New Delhi – 110078

Email: confedhorti@gmail.com

Web: www.confedhorti.org

Published by

Confederation of Horticulture Associations of India
249, Vijay Veer Awas, Kargil Apartments, Sector-18A, Dwarka, New Delhi – 110078
Tel: 011-28085749, Mob: 9871450730
Email: confedhorti@gmail.com
Web: www.confedhorti.org

Compiled and Edited by

Babita Singh
Harshawardhan Choudhary
Ranjan Srivastava

Citation

Awards & Fellowships - 2019
Confederation of Horticulture Associations of India
New Delhi

Disclaimer: All rights are reserved. No part of this report shall be reproduced or transmitted in any form, print, microfilm or any other means without written permission of the Confederation of Horticulture Associations of India, New Delhi. Briefs mentioned about the associations, corporates, non-profit organizations and individual members are based on the information given by them. The compilers of the Confederations are nowhere responsible for the mentioned facts.

Publication Partner

Westville Publishing House
47, B-5, Paschim Vihar, New Delhi - 110063
Tel: 011- 25284742, 0-9868124228 Email: westville_2002@yahoo.co.in
www.westvillepublishing.com

From the Desk of the Founder and Chairman

Dr. H.P. Singh

Chairman, CHAI

Confedhorti@gmail.com



The **Confederation of Horticulture Associations of India (CHAI)**, established in the year 2010, is committed to the furtherance of Horticultural/ Agricultural research, education and development. The CHAI has brought organisations and individuals on a forum to work together for achieving its goal of technology-led development. The CHAI is addressing a concern of food and nutritional security and also livelihood options, through knowledge sharing, dissemination of knowledge and appreciating the work of individual through awards and rewards. 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, was launched in 2012, and till date, 7 Volume (1&2 issues) have been published and 8th 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**, for exceptionally outstanding contributions, who made difference and brought revolution, the **CHAI-Lifetime Achievement Award**, for the leader of par excellence in research and development, the **CHAI-Honorary Fellow**, for excellence in horticultural/agricultural research and development and leadership, the **CHAI-R.S. 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-Best Paper Award** for outstanding paper published in IJIH. The **CHAI Fellowship** is provided in different category to individuals and institutions for their commitments in furtherance of Horticulture.

During the year 2018-19, CHAI-Honoured Fellow Award was conferred on **Prof. Ramesh Chand**, Member, NITI Aayog, New Delhi CHAI- Honourary Fellows on **Dr. K.P. Viswanatha**, Vice Chancellor, Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra, **Dr. V Praveen Rao**, Vice Chancellor, PJTSAU, Rajendranagar, Hyderabad, **Shri Bijay Kumar, IAS**, Addl. Chief Secy (Agri. & Makg) Agri., Animal Husbandry Dairy Dev. & Fisheries Department, Govt. of Maharashtra, Mumbai, **Shri Chiranjiv Choudhary**, Vice-Chancellor Dr. YSRHU & Commissioner of Horticulture, Andhra Pradesh, **Dr. Arjun Singh Saini**, Director General, Directorate of Horticulture, Panchkula, Haryana and **Dr. K.P. Singh**, Vice Chancellor, CCSHAU, Hisar & MPHS, Karnal, Haryana. The CHAI - Life Time Achievements Award was conferred on **Dr. P. Rethinam**, Plantation Crops Management Specialist, Coimbatore, Tamil Nad, the CHAI-R.S Paroda award on **Dr. Gopal Lal**, Director, NRCSS, Ajmer, Rajasthan and the CHAI, CHAI- Ramnandan Babu Award on **Shri Dinesh Kumar**, Progressive Farmer, Muzaffarpur, Bihar and the CHAI-JISL Fellowship was conferred on **Dr. A.K. Singh**, DRPCA, Pusa. The CHAI Life Time Recognition Award was conferred on **Dr. Bir Pal Singh**, Ex-Director, Central Potato Research

(iv)

Institute, Shimla. Fellow of CHAI was conferred on selected nominations from across the country. 10 CHAI-JSIL Fellowship were announced to facilitate the participation of fellows in International Horticulture Congress, of which 5, fellows participated. Two fellows were sponsored for training in Israel for empowering them with new knowledge.

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 its 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, 10 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, CHAI supported and partnered in **National Conference on Intensification and Diversification in Agriculture for Livelihood and Rural Development**, organised by **ASM Foundation**, New Delhi at RAU, Pusa, Samastipur, Bihar, which was a great success in terms of participation, technical contents and outcome. Kisan Sangosthi at Pusa held on 3rd September was also supported. Conferences organized by the ASSOCHAM was supported as knowledge partner. The Chairman, Dr. H.P. Singh, delivered a keynote lecture on micro-irrigation in a conference organized in Israel. The lecture attracted lot of discussion. The Chairman along with 5 fellows participated in International Horticulture Congress, organized at Istanbul, 12-17 August, 2018 and delivered a key note lectures and 3 oral presentation on various topics. He also participated in Euro Potato exhibition to interact on various issues of Potato and to bring back new knowledge. A visit was also paid to green house production system in Netherlands to gain the knowledge and create partnership opportunities. Dr. Singh was Chief Guest and the Guest of Honour in many conferences.

Recognising the role of CHAI in transforming Horticulture/Agriculture, there has been an overwhelming responses and the fellowships have reached to 335, including Institutional and Corporate Fellows. The growing interest of joining hands with CHAI from corporate, institutions, societies and individuals has buildup confidence to serve the community for achieving the mandate of the confederation, beside chairing sessions, QRT, RAC, Accreditation committee and evaluation committee.

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 CHAI Award and Fellowships publication. I am sure for the continued support of all the Fellows. I have pleasure in presenting the CHAI Award and Fellowships-2019, with all the details. Finally, I look forward for making the Confederation global, second to none, in the service to mankind with focus on Horticulture.

H.P. Singh
The Founder and Chairman

About the CHAI

Confederation of Horticulture Associations of India (CHAI), an ISO- 9001:2008 certified non- 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.

(vi)

- To catalyze the efforts of development by creating associations for interaction among all agriculture/horticulture societies/ associations, growers, entrepreneurs, policy planners and activists through consultations, organisation of seminars, conferences, meetings, national dialogue and trainings.
- To establish, promote, run, maintain and support the community for the promotion in advancement of agriculture/horticulture, and to serve as an apex organisation concerned with promotion of agriculture / horticulture, having linkages with various commodity/ input, organisations, institutes, 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 are instituted to recognise the contributions of scientists and other stakeholders in the research and development in the country and also abroad. The Confederation has instituted various awards, which includes, 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 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 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. 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,

(vii)

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

- 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-profitting 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 though 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** organized 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

(viii)

Technological Changes and Innovations in Agriculture, organised at JAU, Junagadh, Gujarat 28-31st May, 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. 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 is partnering an **International Conference on Innovative Horticulture and Value Chain Management – Shaping Future Horticulture**, being organised at Pantnagar, Uttarakhand, 28-31, May 2019 by ASM Foundation, New Delhi,.

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, Bangalore**, on 2nd March, 2013 with the theme–Greening the cities, utilising the waste, meeting the needs and servicing the environment. The workshop deliberated issues in four technical sessions and concluded with adaptation of recommendations and Bangalore Declaration for catalysing the Urban and Peri-Urban Horticulture. In the year 2014 on 1-2nd March, CHAI organised a knowledge sharing workshop on Tropical Fruits with a 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 organized 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. More than 200 farmers and entrepreneurs besides senior level experts, and representatives of various organisations participated and provided their inputs for developing strategic recombination and policy. The CHAI organised a two days National Conference on **Perspective of Challenges and Options in Maize Production and Utilization**, 3-4th March 2017 at DRPCAUI, Pusa, Samastipur, Bihar. Workshop on pomegranate and potato at Disa, Gujarat and a conference on litchi, at Muzaffarpur were organised. A Knowledge Sharing Workshop on Tropical fruits-Banana and pomegranate, was organised at Anantpuram on 5th November, 2017, 11th in series.

Meetings of Board of Director and General Council Meeting

To review the technical and financial progress, the Board of Directors meets as per the needs, at least, 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. The 6th AGCM of the CHAI was held at JAU Junagadh. 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 contribution. Fellowship for attending IHC, 2018 was also announced. The overall progress was very much appreciated.

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-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.

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 7 volumes have been published and the NAAS also enlisted the Journal. The publication of Volume 8(1), 2019 is in process.

Membership Benefits of CHAI

The CHAI team consists of different categories of membership i.e. Institutional, Corporate, Association, Non-profit 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

(x)

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.
- 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.

Contents

<i>From the Desk of the Founder and Chairman</i>	<i>iii</i>
<i>About the CHAI</i>	<i>v</i>
1. Honoured Fellow of CHAI	1
2. Lifetime Achievement Award	3
3. Honorary Fellow of CHAI-2019	4
4. Dr. R.S. Paroda Award-2019	7
5. Dr. B.H. Jain Award-2019	8
6. Ram Nandan Babu Award-2019	7
7. CHAI-JISL Fellowship Award-2019	10
8. CHAI-Dr. Ray Best Dissertation Award-2019	8
9. CHAI-Best Paper Award-2019	12
10. CHAI-Life Time Recognition Award	12
11. CHAI-Appreciation Award	13
12. Fellow of CHAI	15
13. Guidelines of Award and Fellowships	33

Awards and Fellowships - 2019

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 SHRI JAGDISH PRASAD MEENA (CF-302)



Shri Jagdish Prasad Meena, born in 1958, graduated in 1979 from Govt. College, Dausa, Rajasthan and earned his Masters in Sociology from Rajasthan University, Jaipur in 1981. He earned M.A. in Rural Social Development from the University of Reading, U.K., M.phil. in Social Science from Punjab University and PG Diploma in Public Administration from IIPA, New Delhi. He joined Indian Administrative Service (IAS) in 1983. Mr. Meena has privilege of undergoing training in the most prestigious institutions of the world like Colombia University, Cornell University and Howard University of USA, Reading University and Cambridge University of UK; New South

Wales University of Australia and IIM, Kolkata, IIPA, IIFT, New Delhi in India. Starting his career, as Sub-Divisional Officer in 1985, in Dhemaji, Assam, he served in various capacities like Additional Deputy Commissioner, Principal Secretary of Autonomous District Council, District Magistrate, Commissioner and Secretary, Agriculture production commissioner, Principal Secretary etc. in the Govt. of Assam. He has held important positions in Govt. of India too for considerably long period like Executive Director, Central Wool Development Board, Joint Secretary in the Ministry of Agriculture and Ministry of Home Affairs before moving as Joint Secretary in the Ministry of Food Processing Industries in 2012. Subsequently, he became Addl. Secretary, Special Secretary in the same Ministry before becoming Secretary in June, 2017. He also served, as a Secretary, Consumer Affairs, Food & Public Distribution, Department of Consumer Affairs for a brief period. He superannuated from the post of Secretary to the Govt. of India in August, 2018.

In his career, spanning 35 years, Mr. Meena has contributed immensely to Policy Planning and execution of the projects for the development in agriculture and Food Processing Industries. He has more than 16 years experiences in the field of agriculture and food processing. His contributions to agriculture in Assam and brought a revolution in rice and fruits & vegetables production is exemplary. In food

processing, his outstanding contributions has made the industry vibrant and responsive. He Drafted Food Processing Policy, which will guide for the future development of Food Processing Sector in the country. Mr. Meena was the member of many Professional bodies like Chancellor, National Institute of Food Technology & Entrepreneurship Management (NIFTEM), Chairman, Governing Board, Indian Institute of Food Processing Technology, Thanjavur, Tamil Nadu, Co-chair, Coordination Committee on Food Regulatory Ecosystem to Facilitate Investment and Trade, besides, being the member of the various High Power Committees & Public Sector Undertakings Boards. He has been a keynote speaker in many seminars and workshops, both at national and international level. Contribution of Mr. Meena, especially in Food Processing, has provided a definite direction for future development of this sector, which is crucial for viability of the agriculture in the country.

Address: C-3, Tower 10, New Moti Bagh, New Delhi - 110 023; Off: 91-011-26493225; Res:91-011-24121033; Cell:8802334455; Email: meenajp@gmail.com,secy.mofpi@nic.in

1.2 Dr ASHOK DALWAI (CF-312)



Dr. Ashok Dalwai, IAS, currently, Chief Executive Officer of the National Rainfed Area Authority (NRAA), Ministry of Agriculture & FW, with a blend of bureaucrat (IAS) and technocrat, has outstanding contribution to agriculture and rural development in career spanning 35 year, with a passion for agriculture and farmers' welfare. He earned M.Sc and Ph.D. in Agricultural Economics from UAS, Dharwad and joined Indian Administrative Services (IAS) in Odisha. He is credited to have brought change in shifting cultivation in the tribal pockets of Odisha by introducing 'Sloping Agricultural Land Technology (SALT)', through his expertise, which combined horticultural and timber species with agronomic crops. Dr. Dalwai, as the Collector of Kalahandi district prepared the Ten Year Perspective Plan for Land and Water Management, 1992-93 to 2001-02, which became a model for the State. Leadership of Dr. Dalwai in promoting Participatory Irrigation Management (PIM) in Odisha is well recognised. He is credited for developing the first State Agricultural Policy for Odisha. His role in restructuring Karnataka State PSUs is well known, which strengthened the Sericulture and Handlooms Corporations. He also set up Karnataka State Sugar Institute and served as its Founding Chairman. Since 2015, Dr. Dalwai is leading several key reforms in the agricultural sector. He is credited for financial Model Acts including the Agricultural Produce & Livestock Marketing Act; and the Contract Farming & Services Act; as also the Guidelines for Establishing Gramin Agricultural Markets (GrAMs). Most outstanding contributions of Dr. Dalwai is a comprehensive report (14 volumes) on the strategy for 'Doubling Farmers' Income', which advocate a paradigm shift in Agriculture to bring about a holistic 'Income Revolution' as the next evolutionary phase after the production-centric 'Green and White Revolutions'. Resultantly ,the Government has rolled out 'Operation Greens' to manage the sensitive crops - tomato, onion & potato. To take forward the implementation of the recommendations of the DFI Committee, it is notable that the Government has selected him to chair an Empowered Body constituted for this purpose. He has peer recognition of ten most important persons of Karnataka State, 2002; honorary Doctorate of Science, University of Agricultural Sciences, Dharwad, 2016; and 'Exemplary Thought Leadership' ICE-DANFOSS, 2018. He is widely travelled and is providing exemplary outstanding leadership in Agriculture.

Address: Dr. Ashok Dalwai, Chief Executive Officer, National Rainfed Area Authority, Ministry of Agriculture & Farmers Welfare, Government of India,2nd Floor, NASC Complex,Dev Prakash Shastri Marg, Pusa,New Delhi – 110012; Email: ashok.dalwai@gov.in; ashokdalwai@gmail.com

1.3 PROF. (Dr.) A.K. MISRA (CF- 334)



Prof. (Dr.) A.K. Misra graduated (BVSc & AH) from Mathura Veterinary College, 1979, University Silver Medal, and earned his MVSc in Veterinary Gynaecology and Obstetrics, 1981 with Chancellor's Gold Medal. He obtained Ph.D, 1996 working on embryo biotechnology in buffalo which was adjudged outstanding post-graduate research work and Jawaharlal Nehru Award of the ICAR was conferred on Dr. Misra. In his career, Prof Misra worked in various capacities, *ie* Vice Chancellor, MAFSU, GBPUA&T, Pantnagar; and UUH&A and Agroforestry, Bharsar, Pauri Garhwal (additional charge); Director, PD on Cattle (ICAR), Meerut; Professor and Head, Department of Gynaecology and Obstetrics, CVS&AH, GBPUA&T, Pantnagar; CEO of Sabarmati Ashram

Gaushala (SAG), a unit managed by the NDDDB Dairy, Anand. Prof. Misra has outstandingly contributed in the field of embryo biotechnology, particularly in buffalo and succeeded in vitrification of immature buffalo oocytes for the first time. He also succeeded in producing first buffalo calves through non-surgical and surgical embryo transfer, implemented ONBS project in India/Asia under the mission on Embryo Transfer and established a network in different states. His outstanding contributions have earned him many recognitions, to name the few are: Rafi Ahmad Kidwai Award, 2006, ICAR, Dr. P. Bhattacharya Award, 2014 the NAAS; 25th Business School & Dewang Mehta National Education Award 2017, Lokmat National Education Leadership Award- 2014, CR Sane Oration Award-2010 (ISSAR), Prof. Nils Lagerlof Memorial Award, 1993, CR Sane Oration Award-2015, CLFMA Achievement Award in Dairy Nutrition, 2016, Nakul Award, 2013; Hari Ohm Ashram Prerit Shri Bhaikaka Inter-University Smarak Trust Award, 2006-07, Commonwealth Bureau of Animal Health Prize, 1980; and Jawahar Lal Nehru Fund Award, 1980. He is Fellow of NAAS, 2015, NAVS, 1999, Indian Society for the Study of Animal Reproduction-2009 and Indian Society for the Advancement of Canine Practice, 2013. Prof. Misra is associated with many professional societies and was President of the Indian Society for the Study of Animal Reproduction during 2014-2016. He has visited many countries including USA, Germany, Italy, The Netherlands, Denmark, Brazil, United Kingdom, Canada, France, China, Indonesia, Sri Lanka, and Afghanistan as Visiting Professor/ Invited/Sponsored Speaker/Chairman of the Session or other professional work. He has been Chairman of many high powered committee and advisory councils. He is also a sport person. Prof. Misra is currently providing leadership for human resource development as Chairman ASRB

Address: ASRB, Krishi Anusandhan Bhawan, Pusa, New Delhi; Email: chairman@asrb.org.in

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 Dr. JAMES GEORGE (CF-076)



Dr. James George born on 28th January, 1957, earned his B.Sc. Ag. And M.Sc. Ag (Agronomy) from Allahabad Agricultural Institute and Ph.D (IIT, Kharagpur) and joined the service of ICAR as ARS Scientist in CTCRI-TrivanDr.um. He became Senior Scientist, then the principal Scientist in 2007 and subsequently the Project Coordinator at ICAR-AICRP on Tuber Crops in September, 2010. During the period, he also served as acting Director for a brief period of about a year. He significantly contributed to the

horticulture as scientist on tuber crops and has received various awards and honours, for his contributions. He has developed agro techniques for cassava, yams, sweet potato and aroids. He created minisett techniques for rapid multiplication of quality planting materials in tuber crops. He developed elephant foot yam variety “GajenDr.a”, which is most popular across the country. He has facilitated for the release of 53 varieties in different tuber crops. He has published over 100 research papers in seminar/symposia and 10 books chapters. He is a recipient of CIAT Award and also served as Councillor of South Asia in the International Society for Tropical Tuber Crops. He is the fellow of several professional societies. Dr. James has National and International recognition for his contributions in Agronomy of tuber crops. He has served various committee, as chairman as well as member. He is widely travelled and is providing leadership for the promotion of tuber crops.

Address: AICRP on Tuber Crops, ICAR-CTCRI, Sreekariyam, TrivanDr.um -695017, Kerala; Tel No.: +91 9447111289; E-mail ID: jgkarott@gmail.com

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 SHRI. ATANU PURKAYASTHA (CF-308)



Shri. Atanu Purkayastha, born on 1st March, 1956, obtained his B.Sc., and M.Sc. in Soil Science from GB Pant University of Agriculture & Technology, Pantnagar (1974-77 & 1977-80) and joined Indian Administrative Service, West Bengal cadre in 1983. He earned his MBA in Business Administration from University of Strathclyde, Glasgow, UK in 1997 and Ph.D from IIT Kharagpur on Impact of Land Reforms on Livelihood Generation in West Bengal. In his career spanning 34 years, he served in the government for the formulation of policies, programme, projects and in their implementation across the country. Before joining IAS in 1983, he had brief period of serving Agriculture in Uttar Pradesh. In his career, he served in various position, which included Sub-divisional Magistrate, Additional District Magistrate, Director, Department of Food and Civil Supplies, Govt. of West Bengal, Labour Commissioner, Registrar of Cooperative Societies, Govt. of West Bengal, Joint Secretary, Ministry of Home Affairs, Govt. of India, Secretary, Department of Disaster Management, Govt. of West Bengal, Secretary, Department of Agriculture, Govt. of West Bengal and Chairman, West Bengal State Seed Corporation, Principal Secretary, Department of Food Processing Industries & Horticulture, Govt. of West Bengal, Joint Secretary, Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India, Secretary, Central Information Commission. Currently, he is a Consultant to the World Bank, New Delhi, and also in Board of various Companies. He has outstanding contribution to the Agriculture, both in State as well as at National level through formulation of programme. He has published papers, a monograph on Management of Flood, Food security and the national initiatives, Agricultural production and productivity in West Bengal, Drought Risk Management in India and Need for policy and structural reforms for sustaining growth of Indian agriculture. He has been a recipient of fellowship and various recognitions for the contribution in the field of agriculture. Currently, he is providing a strategic leadership to Indian Agriculture.

Address : DII/113, Kaka Nagar, DR. Zakir Hussain Road, New Delhi-110003; Tel: +91-11-23078242 (R); Mob: +91-9899772227; email: atanu@nic.in , Dr.atanu2011@gmail.com

3.2. SHRI SANJEEV KUMAR CHADHA IFS (CF-301)



Shri Sanjeev Kumar Chadha IFS, Managing Director, National Agricultural Cooperative Marketing Federation of India Ltd (NAFED), has done Masters in Zoology and Forestry and has a Doctorate in Zoology. He has extensively worked on issues related to conservation and sustainable management of natural resources in the State of Odisha and the Central Government at New Delhi. He has worked in Sectors like Health, Social Development and empowerment of Scheduled Castes and Tribes. He is credited to have brought revolution in Horticulture of Odisha, as Director Horticulture. He introduced hi-tech Horticulture and extensively worked with small and marginal farmers and introduced new crops like banana, guava, vegetables, etc., besides working on strengthening the Agri-value chain to increase the returns for the farmers. After a brief stint in Ministry of Defense, he joined NAFED in June 2016 and is striving for financial turnaround of the Organisation and building strong interface with farmers of the country. He is providing a leadership in marketing of agricultural produce.

Address : Mr. **Sanjeev Kumar Chadha**, Managing Director, National Agricultural Cooperative Marketing Federation Of India Ltd. (NAFED), NAFED House, Siddhartha Enclave, Ring Road, Ashram Chowk, New Delhi-110014; Tel.: (011)-26344293; Email:mdcell@nafed-india.com; sanjeev.64@gov.in

3.3 Dr. S.K. MALHOTRA (CF-0004)



Dr. S.K. Malhotra, born on 3rd February, 1963 at Rohtak, Haryana, had his graduation in 1984 and post graduation in Horticulture from GBPUA&T, Pantnagar in 1986 and Ph. D. from CCS, Haryana Agricultural University, Hisar in 1989. Starting his career as Assistant Professor (Vegetable Crops) at H.P.KV., Palampur and also as Assistant Scientist (Sr. Scale) at CCSHAU, Hisar, he joined ICAR as Senior Scientist (Horticulture) in 2000, at National Research Centre on Seed Spices, Ajmer, Rajasthan and became Principal Scientist in 2007. Subsequently, he served as Principal Scientist in the Division of Horticulture, at ICAR headquarter and was elevated to the position of ADG (Hort). Subsequently he served as Horticulture Commissioner, Ministry of Agriculture. Presently, he is Agriculture Commissioner, Ministry of Agriculture and Farmers' Welfare, GOI. Dr. Malhotra was instrumental for infrastructure development and as a researcher, he developed 13 high yielding varieties of seed spice crops. He was involved as Member in developing recommendations under two sub-groups of horticulture and plantation crops of XII Plan Working Groups of horticulture constituted by Planning Commission. As Assistant Director General, he provided leadership in planning, monitoring, and evaluation of research programs in horticulture. As Horticulture Commissioner in the Ministry of Agriculture, he was responsible for overall development of horticulture in the country and provided technical guidance in policy planning, program development, coordination and execution of developmental activities. He has been visiting scientist at Cornell University Ithaca, USA and worked in the USAID project of value chain management and also at Taiwan Agriculture Research Institute, Fangshan for management of plant genetic resources in horticulture. He represented India in G 20 meeting of agriculture at Moscow and also in the International Date Council Meeting held at Riyadh, Saudi Arabia and Tashkent in Uzbekistan. Being Chairman of Shadow Committee of Codex Committee

for Fresh Fruits and Vegetables (CCFFV), he represented India in meeting at Phuket, Thailand, developed CODEX standard proposals for okra. He is recipient of PNASF-Young Scientist Gold Medal - 2005, JS Pruthi Award-2010, HS Mehta, Young Scientist Award-2011, Lakhiram Memorial award-2012; AIFPA-Award-2013, AF-Professional Excellence Award-2014, Rajesh Pilot Memorial Award-2014. He is Fellow of six professional societies and President of ISOH, New Delhi. Authored more than 80 research papers, 38 book chapters, 8 books, 14 manuals/bulletins and 12 reports. Currently he is providing leadership in agricultural development in the country.

Address: Agriculture Commissioner, Govt. of India, Ministry of Agriculture. Department of Agriculture & Cooperation, 238, Krishi Bhawan, New Delhi-110001, Mob.: 91-9968978191, E-mail: malhotraskraj@yahoo.com

3.4 PROFESSOR DR. SISIR KUMAR MITRA (CF-305)



Professor Dr. Sisir Kumar Mitra born on 02 February, 1954, Kolkata, India, earned his Bachelor, Master and Doctoral degree from BCKV, Mohanpur, West Bengal. Starting his career at Bidhan ChanDr.a Krishi Viswavidyalaya, Mohanpur, West Bengal, India in 1980, he served as Head, Department of Fruits and Orchard Management (1996-2000), Dean, Faculty of Horticulture (2007-2009) and Dean, Post Graduate Studies (2009-2012). Dr. Mitra carried his Post doctoral research (1985-1986) at the Horticulture Research International, East Malling, UK as Commonwealth Fellow and worked as visiting Professor at the Institute Coltivazoni Arboree, Italy (1990), University of Lavras, Brazil (2016). Kyoto University, Japan (2018). He is Honorary Member, International Society for Horticultural Science and Fellow Horticulture Society of India. He guided 22 Ph.D and 32 M.Sc. (Horticulture) students and has published 252 scientific papers, 74 popular articles, 11 books, and 6 technical reports. He is credited to have developed many varieties. Served as Member of the International Scientific Committee, Chaired, Technical Sessions and delivered keynote/invited lectures in 38 International events. He was the Chairman, International Society for Horticultural Science (ISHS) Section, Tropical and Subtropical Fruits, (2010-2018). Presently, he is serving as Chairman, ISHS Working Group on Papaya, Guava and other Myrtaceae, Avocado, and Jackfruit and other Moraceae. He is a trustee in Board of Trustee, Member of International Tropical Fruits Net Work of FAO, FAO Consultant. He served as Member, in many Research Advisory Committee (RAC) and also a member of QRTs. He is Advisor, CAB International, UK, Editor-in-Chief of "The Horticulture Journal" Member, Editorial Board, of many professional journals. He is in the Board of Directors of the West Bengal State Food Processing and Horticulture Development Corporation Limited, Bharat Chamber of Commerce and Technical Advisor, in many academic and professional organisations. He has been Convener of seven International Symposia and Editor of six volumes of Acta Horticulturae. He has provided an academic leadership in Horticulture for several decades.

Address: Professor Dr. Sisir Kumar Mitra, B-12/48, Kalyani, Nadia, West Bengal, 741235; Email: sisirm55@gmail.com
Cell: +09432174249

3.5. Dr. SANJAY K PATIL, VICE CHANCELLOR, IGKU (CF-332)



Dr. S.K. Patil, Ph.D. in Soil Science and Agricultural Chemistry, earned his Post Doctorate from International Fertiliser Development Centre, USA. Dr. Patil, in his career, has a long experience in academics and administrative excellence in agricultural research, extension and education. He has been instrumental in improving quality and access to agricultural education to common people in state of Chhattisgarh. He steered University towards academic excellence, and transformed university to provide global visibility and outreach. Ten research projects of university bagged best project award by ICAR under his leadership. He provided inspiring guidance to Krishi Vigyan KenDr.as to become a model district extension unit, facilitating farmers in adoption of improved technologies, which have been recognised by ICAR by conferring the best KVK, continuously for last seven years. The university received more than 30 national awards owing to the efforts of Dr. Patil. He is an internationally acclaimed scientist and has a long experience of working at International Rice Research Institute, Manila, Philippines and at International Fertilizer Development Center, USA as visiting scientist. He has also long experience of planning and policy making by working as chairman and member of several high power committees of ICAR, GOI, State Government and academic institutions. He was also member of Task Force on Agriculture of Planning Commission, Government of Chhattisgarh. His outstanding contribution has earned him many awards and recognitions. He is recipient of several awards, honours, and recognitions including the prestigious BOYSCAST fellowship of Department of Science and Technology, Government of India, included in the Board of Governors of Indian Council of Forestry Research and Education by Department of Forest, Environment and Climate Change, GOI; Recognition award for Biodiversity Conservation by Department of Agriculture and Cooperation and Farmers Welfare, GOI, Fakhruddin Ali Ahmad Award by Indian Council of Agricultural Research, Best Vice-Chancellor Award from ICAR and AIASA and Honorary Rank of Colonel Commandant for personality development of youth by Ministry of Defence, GOI. Currently he is providing academic leadership as Vice Chancellor, IGKV, Raipur.

Address : Dr. S.K. Patil, Vice Chancellor, Indira Gandhi Krishi Vishwavidyalaya, Krishak Nagar-492012, Raipur (Chhattisgarh) Tele : 91-771-2443419; Fax : 91-771-2442302; e-mail : spatil_igau@yahoo.com, vcigkv@gmail.com, www.igau.edu.in

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 DR. SUNIL PAREEK (CF-0049)



Dr. Sunil Pareek, Born on 25th August, 1976, had his schooling from Bhojpura Kalan, Jaipur, Rajasthan and graduated from SKN College of Agriculture, Jobner. He obtained Ph.D. in Horticulture (PHT) from Rajasthan Agricultural University, Bikaner. Starting his career as Assistant Professor (PHT) in Department of Horticulture, MPUAT, Udaipur, in 2005, he became, Associate Professor (PHT), Department of Agriculture & Environmental Sciences, National Institute of Food Technology Entrepreneurship and Management (NIFTEM). He is currently Director IQAC, NIFTEM. He is involved in

teaching UG, PG and Ph.D. with special focus on post-harvest physiology, technology and processing of fruits. He has guided 7 M.Sc. and 4 Ph.D students in PHT as major advisor and 96 M.Tech. He was Co-Consortium Principal Investigator (PI) of NAIP sub project on under-utilised fruits, PI of AICRP tuber crops, PI of processed products scheme and associated scientist of niche area of excellence in hi-tech horticulture. He has developed browning free pulp extraction and preservation technology for custard apple fruit. He also identified one variety of sweet potato. He participated in more than 35 seminars and training programmes including the trainings from faculty of UC Davis, USTDA, University of Cornell and senior experts of Netherlands Group. He is the life member of five Horticultural societies. He is reviewers of 10 international journals of repute and also editor of 2 international journals. He is Director in Board of NHB and members in many committees. He is the recipient of ISHS, Full Fellow, 2018, CHAI-JISL Fellowship, 2014, 2018, H.S. Mehta young Scientist awards, 2013. Bioved Young Scientist Award 2012, Best Poster Award 2009, He has published more than 100 papers (22 in international journals), 10 books, 3 training manual, 4 practical manual, 10 technical bulletins and 10 book chapters (6 in international books).

Address: Director (IQAC), Associate Professor (PHT), NIFTEM, Plot No. 97, Sector 56, HSIIDC Industrial Estate, Kundli 131028, Sonapat, Haryana,, Phone: (Phone:0130-2281201; +919414821483(M); +917056721483, E-mail:spareekhort@gmail.com; sunilpareek.niftem@gmail.com

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 SHRI KALYANSING B. PATIL (CF-0035)



Shri Kalyansing B. Patil, a global banana expert, was born on 1st June 1966 in village Varad at Bodwad tahasil, Jalgaon, Maharashtra. He had his schooling in ZP school, Varad and NH Raka high school, Bodwad. He graduated from Dr. Punjabrao Deshmukh Krishi Vidyapeeth, Akola. He earned his master's; M. Sc. (Horti) from PKV Akola, with gold medals. He started his career as field officer, in Maharashtra Hybrid Seed Corporation in 1994. He joined as assistant professor horticulture at KVK, Badnera. He moved to Jain Irrigation systems Ltd., in 1995, and with his dedication, commitment, expertise, he moved up with his vision and mission to reach to the position of Vice President, a major technical expert for banana. In his distinguished career, he has outstandingly contributed in development of farmer participatory technologies, and many innovations, which have impacted profitability in the banana production. Consequently, Mr. Patil is most popular technical advisor for banana, not only in the country but also abroad. Outstanding contribution of M. Patil in his field of Horticulture has earned him many recognitions in India and abroad. He was a secretary general of AIPUB and currently, he is secretary of CHAI Jalgaon Unit. Mr. Patil has not only widely travelled in India, but has visited many countries, Malaysia, Philippines, Dubai, Oman, Portugal, Germany, Columbia, China, Thailand, Taiwan, Israel, USA. He is currently vice president of Jain Irrigation Systems Ltd., Jalgaon and is committed for the furtherance of horticulture with his vision, mission and leadership. He is recipient of Fellow of AIPUB, fellow of CHAI, Udyan Ratna, Khandesh Krishi Gaurao Puraskar, Bharat Krishak Samaj Krishi Puraskar. Best Paper presentations award both in national and

international, meeting and workshops. He is the member of institute management and research adversary committee of NRCB, Trichy. He is contributing in diffusion of new technologies in banana and pomegranate for the benefit of farmers and is favourite of the farmers for his effective communicating skills.

Address: 23,Vidyut Nagari Housing Society, Mahabal Road, Jalgaon -425001.Tel: 0257-425002 .Mobile:09422774941.E-mail: patil.kalyansing@jains.com

6.0 CHAI-RAM NANDAN 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 SHRI SUDHIR CHADHA: CF-169



Shri Sudhir Chadha, Born on 7th October, 1956 in Chakalua Village of District Nainital, completed his education in Uttarakhand. Shri Chadha is a Horticultural farmer and entrepreneur mainly involved in seed production and marketing, exports of flowers and horticultural commodities and promotion of various horticultural enterprises in Public Private Partnership mode. Mr. Chadha is owner of Chadha Seed Farm, Nainital, managing director of Plantiss Agro, Chadha Farm Agri Exports and Director of Indo-Dutch Private Technologies Ltd. Mr. Chadha, spanning his career as a farmer by choice has become exemplary for many. He is innovative in his approach of farming and is credited to have promoted many new technologies in planting materials production and cultivation. He has been an active oath at state and national levels. He has visited several Countries of his interest to learn advances in horticulture. He is a recipient of several awards viz. Innovative Farmer Award; Udyan Ratna etc. His unit Indo-Dutch Horticulture Technologies (p) Ltd. Uttaranchal is dedicated to transfer of the technology of bulb crops, fruits and vegetables and its further dissemination to the farmers. Technologies developed, are dwarf and high yielding variety of papaya 'Farm Selection-1', and its package of practices; design for cost effective manually controlled green houses, rain water harvesting based greenhouse with solar operated irrigation system, solar operated system of green house, new varieties of gerbera, standardisation of forcing & activation of gladiolus, lilium & zantedeschia bulbs, standardisation of protocol for *in-vitro* propagation of lilium, zantedeschia, & cymbidium, orchids plants, establishment of modern apple nursery for high-density clonal plants development, He is also engaged in export of flowers & fruits to Middle East and UK, from Uttarakhand, which has made impact for growth of horticulture in the country. Mr. Chadha is committed for the horticulture promotion through various on farm and off farm activities like training, personal interactions and demonstrations of improved technologies. Currently is member in the Board of GBPUA&T, Pantnagar, and is promoting farmers for the adoption of knowledge based technologies.

Address: Indo Dutch Horticulture Technology, Bhimtal, Uttarakhand Mob. : +91-9917106077, T : +91(0)89 589 84 919 Email: sudhirchadha56@gmail.com

7.0 CHAI-JISL Fellowship Award

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 DR. KULDEEP SRIVASTAVA(CF-197)



Dr. Kuldeep Srivastava, born on 28th October 1974, at Jaunpur, Uttar Pradesh, completed his B.Sc. (Ag.) from CSJM University, Kanpur (1996), M. Sc. (Ag.) from CSAUA&T, Kanpur (1998) and Ph. D. from GBPUA&T, Pantnagar (2003) in Agricultural Entomology. Started his career as Assistant Professor (Entomology) in 2004 at Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu, J&K and, now, he is serving as Senior Scientist (Ag. Entomology) at NRC on Litchi, Muzaffarpur, Bihar. He has 15 years teaching, research and extension experience, and is currently developing IPM modules for litchi insect pests. He guided several students as major advisor and co- advisor in the University. He has handled 6 externally funded projects as principal investigator. He is credited to have contributed for the development of 4 varieties in litchi. There are many technologies to his credit. Dr. Srivastava has published more than 50 research papers in reputed journal and 6 book chapters and more than 20 popular articles. He has been keynote speaker in many conferences and is chairman and members of various committees for Institutes building activity of the NRC on litchi. He is fellows of many professional societies and associations.

Address: Sr. Scientist, Ag. Entomology, National Research Centre on Litchi, Mushahari, Muzaffarpur-842002, Bihar. Mobile: 07761952061, E-mail: kuldeepipm@gmail.com

7.2 DR. SANJAY KUMAR SINGH



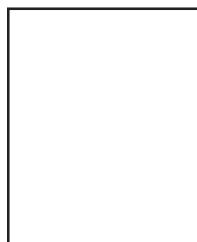
Dr. Sanjay Kumar Singh, born on 31st December 1977, at Gopalganj, Bihar, graduated from Banaras Hindu University, Varanasi, UP (2002), obtained M.Sc. (Ag.) Horticulture from GBPUA&T, Pantnagar, 2004 and Ph.D. (Hort.), IARI, 2007. Starting his career as a Scientist (ARS), 2008 at CAZRI, Jodhpur, he served at CIAH, Bikaner. Currently, he is serving as Senior Scientist (Horticulture) at NRC on Litchi, Muzaffarpur, Bihar, since 2011. During his career, he has worked on tree/fruit physiology, post harvest of arid fruits, mango and litchi. He has handled externally funded projects and organised a Short Course and a Winter School on '*Understanding flowering mechanism of sub tropical fruits*'. He has guided one M.Sc. and presently guiding a Ph.D. student. He was instrumental in registration of 16 varieties of mango and 10 of pummelo as farmer's variety with PPVFRA, New Delhi and identified 145 custodian farmers of mango from 30 districts of Bihar and 8 of Jharkhand. He is recipient of Best Poster award, 2016, HSI, New Delhi and best oral presentation award, 2017. He is fellow of CHAI and is associated with many societies as a member and peer reviewer. He is credited to have more than 30 research articles, 10 technical bulletins, 30 popular articles and 50 book chapters and technical reports.

Address: Dr. Sanjay Kumar Singh, Senior Scientist (Horticulture: Fruit Sciences), NRC on Litchi, Mushahari Farm, Muzaffarpur 842 002, Bihar, India; Mob:09431813884, 8789177566; Email: E-mail: sanjayhor@rediffmail.com; sanjayhor31@gmail.com

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.

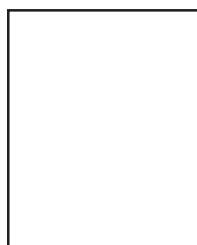
8.1 Dr. M. GOPI



CHAI-Dr. Ray Best Dissertation Award-2018 is conferred on **Dr. M. Gopi**, from Bhartidasan University, for the dissertation entitled “**Identification and evaluation of Antagonistic microbes and botanicals for the management of fusarium wilt disease (*Fusarium oxysporum* f.sp. *cubense*) in Banana cv. Grand Naine**” done under the guidance of Dr. R. Thangavelu, Principal Scientist, NRC for Banana, under Trichy under Bhartidasan University at NRCB Banana, Trichy. The dissertation has categorically identified technology for bio-priming of tissue culture plants using native endophytic and rhizospheric microbes to manage *Fusarium* wilt diseases of banana. Through the present work, fungicide resistant mutant *Trichoderma* spp. was identified for the integrated diseases management of *Fusarium* wilt. In this work, the liquid formulation for mass multiplication of bio-agents was also standardised.

Address: Dr. M. Gopi, S/o M. Muthukathan, 3/58 Ettarai Palayam, Ettarai Post, Trichy-639103 Email: gopimusa@gmail.com; rtbanana@gmail.com; Tel:0431-2618125

8.2 Dr. JOGDAND SUNIL MOHAN



CHAI-Dr. Ray Dissertation Award-2019 is conferred on **Dr. Jogdand Sunil Mohan**, from G.B. Pant University of Agriculture & Technology, Pantnagar, for the dissertation entitled “**Optimisation of coating formulations and packaging conditions for shelf life enhancement of litchi (*Litchi chinensis* Sonn.) under different storage conditions**”, done under the able guidance of Dr. R. L. Lal, Professor, Department of Horticulture, GBPUA&T, Pantnagar. The dissertation has categorically identified the technology for optimisation of coating and packaging of litchi for better shelf-life and maintaining higher amount of health promoting substances after storage. The treatment helped in maintaining sufficient anti-oxidant capacity and radical scavenging activity after 15 days storage. The optimum combination of alfa-Tocopherol (0.4 %), chitosan (2%), Salicylic acid-(2.0mM) and packaging with perforation percentage (0.4) were found most suitable for both ambient and cold storage conditions for better shelf life with lesser browning of litchi fruits. The coating formulation along with packaging could extend shelf life of litchi by 12 days under ambient conditions and by 13 days under cold storage conditions with better maintenance of health promoting compounds.

Address: Dr. Jogdand Sunil Mohan, At Post: Kashti, Tal: Shrigonda; Dist: Ahmednagar; Maharashtra-414; Email:sunilraojogdand@gmail.com; jkumar56@gmail.com

9.0 CHAI-BEST PAPER AWARD

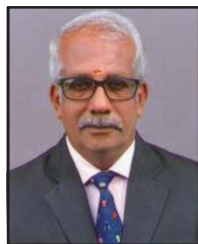
This award encourages publication of high quality paper in International Journal of Innovative Horticulture. The recipient of the award shall be honoured with certificate and Medal. The awardee shall also receive two issues of the Journal in which Paper is published.

P. Duraisamy, S. Uma, M.S. Saraswathi, N. Jeyabalan and M.M. Mustafa, 2018, Diversity analysis and assessment of sectorial relationship of Sect. *Rhodochlamys* and a *Musa balbisiana* clones of section Eumusa through morpho taxonomic studies and micro-satellite markers, *International journal of Innovative Horticulture*, 7(1) 38-45. NRC on Banana, Trichy.

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 PROF. (DR.) N. KUMAR (CF-184)



Dr. N. Kumar, Vice Chancellor, TNAU, Coimbatore, born in a village Kadukkarai, Kanyakumari (Tamil Nadu) on 29th June, 1955, completed his schooling from Kurathiyarai, Palyamkottai and obtained his B.Sc. (Hort.), M.Sc. (Ag), Hort. and Ph.D. (Hort.) with distinction from TNAU, Coimbatore, 1976, 1978 and 1989, respectively. He started his career as assistant professor in TNAU, and was promoted to associate professor in 1986 and further to the post of professor in 1992 and the Dean, 2009. In his career, Dr. Kumar served at various place like HC & RI, (TNAU), Periyakulam, HRS (TNAU), Kodaikanal and Yercaud and at Coimbatore as Dean (Hort.), 2009-2013.

Currently, he is the Vice Chancellor at TNAU, Coimbatore, 2018. Prof. Kumar is an eminent expert in areas of crop improvement of fruits and plantation crops, nutrients and water management for high density planting of orchard and an excellent teacher of Horticulture. In his career, spanning 35 years he guided more than 21 M.Sc (Hort.) and 21 Ph.D. (Hort.) students, out of which five received prestigious Jawaharlal Nehru Award. He handled 20 externally funded projects and is credited to have developed more than 10 varieties and many technologies. Prof. Kumar was convener of the II International Symposium on Papaya held at Madurai, 09-12, December, 2008, besides, 12 national and 3 international conferences. Prof. Kumar visited 19 Countries for various international events. He was institutional in developing and signing MoU with many universities. During his career, Dr. Kumar bagged 5 in house medals and 7 National medals from other organisations for his contribution to Horticulture. He is Fellow of AIPBUP and HSI and is recipient of GL Chadha Medal, 2009 and Kadli Puraskar, 2010. He is also a fellow of CHAI. Dr. Kumar has been a member of RAC&QRT of ICAR and chairman and members in various high powered committees. He was also part of accreditation team of ICAR. Prof. Kumar has published 8 text books and 14 chapters in editorial book, more than 130 research papers in international

and National Journal and many monuments and bulletins. Currently, he is providing academic leadership as Vice Chancellor and is focused on the development of Horticulture.

Address: Vice Chancellor, TNAU, Coimbatore), Res. 7/6 Rajprya, Kurunji Treet, Sarguna Odai street, Nagercoil, Kanyakumari dist., Tamil Nadu (Tel: (04652)-228686, Mobile: 9396121916, 89034360460, Email: kumarhort@yahoo.com **Address:** Tamil Nadu Agricultural University, Coimbatore- 641003; Phone :0422-6611273, Mobile: 9585370914 / 9080894722

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 PROF. SALIL KUMAR TIWARI: (CF-0152)



Prof. Salil Kumar Tiwari, Born on July 30, 1958, in a reputed teacher's family, has about 27 years experience of teaching, research, extension and administration, in the field of tree breeding and agro-forestry. He is currently Professor in the College of Agriculture and Joint Director, Agro-forestry Research Centre (AFRC)/Program Coordinator, Agro-forestry of the university. He is credited for the establishment 'Seed Orchard' which comprises 44 elite genotypes of shisham. Prof. Tiwari assisted in establishment of Bamboo Coordinating Centre at the instance of NMBA, TIFAC, DST, New Delhi. Multi-location trials on different bamboo species have been coordinated at seven different centers across the country under this supervision. He has not only made genetics /tree breeding/ agro-forestry as very attractive subjects amongst the students, but has also trained them in 'soft'skills by virtue of his pedagogic approach. He has registered many accession of Bamboo as Unique collection and has a patent for developing antioxidant beverage. He is member in various committees and also the present of campus school. He is a recognised lead speaker for agro-forestry and is credited to have organised many conferences and workshops. He is recipient of 'Harbhajan Singh Memorial Award' of Indian Society of Genetics & Plant Breeding for his contribution to genetic resources. He is also recipient of Vijay Ratna Award, India International Friendship Society, New Delhi and of Senior Fellowship of BARC, Trombay. He is also a fellow of CHAI. Currently, Dr. Tiwari is providing leadership in agro-forestry especially, bamboo production.

Address: Professor/Joint Director, Department of Genetics & Plant Breeding, College of Agriculture, GBPUA&T, Pantnagar- 263145, (Uttarakhand), India. Phone: +91-5944-234631(Off.), +91-5944-233410 (Rsi.), Fax: 05944-233473, Mob: +919411791685, Email:saliltewari@gmail.com; saliltewari@gbpuat.ac.in

11.2 CA. SANTOSH K. PRASAD: CF-0139



Shri Santosh K. Prasad, born in 1974 in Jharkhand, graduated from IGNOU along with pursuing the professional course CA, which he earned in 2001, from the Institute of Chartered Accountants of India. In his career spanning 18 years, he has significantly contributed to financial management with focus on horticulture and is a fellow of SPMR & Associates, New Delhi. He is statutory/Internal Auditors of many large organisations like nationalised banks, including National Horticulture Board. He is providing financial guidance to leading NGO and is involved in World Bank funded projects, PSUs, and other infrastructural projects. He has commendable expertise in NGO consultancy. He is providing all financial guidance to Lt. Amit Singh Memorial Foundation, Child Home, Centre for Transforming India, CHAI, ANARDE Foundation etc. Along with sharing his expertise in the firm, he is director of two companies and holds position of Vice-President in Care Aid Welfare Organisation. His full time practice as FCA, he manages to devote his valuable time for social work in the society. Shri S.K. Prasad has Addressed and attended many professional courses, meetings, conferences and workshops on various professional issue. While auditing World Bank funded projects in U.P., he provided financial guidance to various departments i.e horticulture, agriculture, animal husbandry, in various districts. He is a professional chartered accountant and is providing leadership in financial management.

Address: A-121, Basement, Dayanand Colony, Lajpat Nagar-IV, New Delhi Ph: +91-9873237861 Tel: 011-46115462. Email: santosh1102@hotmail.com

11.3 MR. BABASAHEB T. GORE (CF-229)



Mr. Babasaheb T. Gore, born in a farmer family on 29th Feb. 1976, in village Rajuri, Rahata, Ahmednagar, Maharashtra. After earning his masters in agricultural Entomology, with Gold medal, Dr. Gore, served as sales executive in El du Pont and Product Development Manager in Dhanuka Agri tech Ltd After having his experience in various companies dealing with agro-inputs and farmers advisory, Dr. Gore, focused on his farm and also started a company "Unimax Crop Solutions Managing Director, Unimax Crop Solutions. His focus was to empower the farmers with knowledge to take scientific cultivation of pomegranate. He also demonstrated new technology in his farm. His expert advice in pomegranate cultivation has benefited large number of farmers across the country. He also runs Agri Academia as chairman to provide agri-services. Mr. Gore, through his company, Unimax Crop Solutions, provides comprehensive, multidisciplinary solutions and services to pomegranate growers, investors, marketing agencies and processors, and also to companies, dealing with agro-inputs. He has trained 4500 farmers, who have successfully adopted his technologies. His company, Agri Academia is engaged in Agri business management and training for health and safety in agriculture. Dr. Gore's expertise, as practical trainer in horticulture and consultant for Horti-business is well recognised across the country and he is providing expert advice to many farmers in Rajasthan, Gujarat, and Madhya Pradesh.

Address: 3rd floor, Dandwate Towers, Above Pravara Bank, A/p & Tal: Rahata, Dist. Ahmednagar, Maharashtra-423107 Website: www.unimaxcrop.in, e-mail- info@unimaxcrop.in: www.agriacademia.com e-mail- info@agriacademia.com, Resi. : A/p: Rajuri, Tal : Rahata Dist.: Ahmednagar, Maharashtra- 413737

12.0 FELLOW OF CHAI

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

12.1 DR. SURESH KUMAR. P. (CF-297)



Dr. Suresh Kumar P., born on 23rd May, 1978, Dr. P. Suresh Kumar, Senior Scientist (Fruit Science), at ICAR- NRC on Banana, Trichy, TN, obtained his PhD at IARI, New Delhi. During his tenure as Scientist at ICAR RCNEH Region, Arunachal Pradesh, he handled Technology Mission for Horticulture Development in NE states, NAIP Projects on livelihood improvement and DBT project for tissue culture production. He was involved in production of quality planting material also. At National Institute of Abiotic Stress Management, Baramati, he popularised the Dr.agon fruit. He has developed technologies for making low glycemic products like pasta and bread from banana. He is a recipient of young scientist award, Samgra Vikas Welfare Society, Lucknow and Bioved award, Research Institute of Agriculture & Technology, Allahabad, UP, and K.U. Patel Memorial award. He had training in Biomolecules separation from plants at Michigan State University, East Lansing. He is a member of several scientific societies and referee to reputed food and horticultural journals. He has published more than 75 research papers in national and international journal, 25 popular articles and 5 review articles.

Address : Dr. P.Suresh Kumar, Senior Scientist, Fruit Science, ICAR-NRC for Banana, Thogamalai Road, Trichy, 620 102, Tamil Nadu; Mail: ; psureshars@gmail.com; Mobile. +91-9626257154; Ph: +91 431 2618106;

12.2 DR. DIVYA TIWARI (CF-298)



Dr. Divya Tiwari, born on 12 July, 1982 had schooling at Sarswati Shishu Mandir Kumarganj, Faizabad, U.P. and Canossa Convent Girls' Intermediate College, Faizabad, U.P. She scored highest marks in High School and Intermediate. She received many awards and medals for her performance in various extracurricular activities too. She earned her degree B.Sc.(Ag.), M.Sc.(Ag.) and Ph.D. in Horticulture (Fruit Science) in 2000-2010. She has been recipient of University Merit Scholarship and Research Fellowship. She qualified for NET and joined Nalanda Horticulture College as Assistant Professor and received the Best Teacher Award (2016) and Young Scientist award (2017). Dr. Divya Tiwari has published several research papers, authored/edited books, book chapters, popular articles, folders and manuals. She has successfully edited a book authored by Shukla *et al.*, published by Maharana Pratap University of Agriculture & Technology, Udaipur, Rajasthan. She published "Practical Manual on Landscape Gardening". She has developed, introduced and popularized several technologies and is teaching courses in horticulture.

Address: Asstt. Professor, Horticulture (Fruit), Bihar Agriculture University, Sabour, Bagalpur, Bihar; Cell: 9973610933; Email: Dtiwari1912@gmail.com

12.3 DR. A. NAGARAJA (CF-299)



Dr. A. Nagaraja, born on 05th December, 1973, at Tirunelveli District of Tamil Nadu, had schooling from James Memorial Higher Secondary School, Prakasapuram, Tutuicorin District, Tamil Nadu. He earned graduation and post-Graduation degree from Horticulture College and Research Institute, TNAU, Periyakulam, during 1995 and 1998 respectively. He completed his Ph.D in Horticulture-Fruit Science in 2010 from Indian Agricultural Research Institute, New Delhi. He was a recipient of ICAR-JRF during M.Sc. and IARI Fellowship during Ph.D. He qualified ARS examination in Fruit Science in the year 1998 and started his career as a scientist at Central Institute for Arid Horticulture, Bikaner. Dr. Nagaraja has standardized dehydration technologies and developed protocol of *Kachri* and *Khejri*, anardhana, murabah, shreds, candy, RTS, syrup and other products from Arid fruits and vegetables and protein rich cookies from Khejri pods. Since 2010, he is serving in the Division of Fruits and Horticultural Technology, ICAR-IARI, New Delhi and is currently engaged in research, teaching and extension activities. His research contributions include breeding of guava and mango varieties for desirable horticultural traits. He is also involved in development of technologies for the management of guava wilt. He worked on geospatial mapping of mango acreage and malformation using remote sensing data and GIS. Dr. Nagaraja has published several research papers in national and international journals. He has also authored books, book chapters, popular articles and technical bulletins. He is engaged in teaching as a faculty in the horticulture (Fruit Science) and has guided two M.Sc. students. He is recipient of 4 best poster awards and one outstanding scientist award. He is life member of several professional scientific societies. He is credited to have organized a winter school, as Course Coordinator, and delivered several oral and lead lectures in National and International fora.

Address: Office: Senior Scientist, Division of Fruits and Horticultural Technology, ICAR-IARI, New Delhi-110012. Residence: 10-C, Second Floor, Scientist Apartment, Pusa Campus IARI, New Delhi-110012, Phone: (011) 25843214 (O), Mob. 09211828515, E-mail: anrciah@gmail.com

12.4 DR. SOMAN (CF-300)



Dr. Soman, born 1952, obtained B.Sc (1973) in Botany, with Second position and M.Sc (1975) with first rank and distinction, both from Kerala University. He obtained his Ph.D. from Reading University, UK, 1980 through his work on Crop Water Relations in crop plants. He joined as scientist at ICRISAT and worked in West Africa, Niamey. He joined Jain Irrigation as Chief Agronomist in 1999 and organised a large number of field agronomists to provide technical support in operation and maintenance of Dr.ip irrigation and field tested crop agronomic packages. He also conducted field experiments on several crops to study crop spacing, irrigation water use, fertigation levels in order to standardize the cultivation package. He has participated both in national and international seminars and conferences. The introduction and standardisation of Sub surface Dr.ip irrigation for sugarcane is one area he initiated. He also standardised Dr.ip irrigation and fertigation in many crops including paddy. He has developed and tested precision farming packages in some 55 crops. Dr. Soman is also the Chief Trainer and Head of Extension services in Jain Irrigation. The extension work is done both in India and other countries wherever Jain establishes irrigation systems operates. He is a member of American Society of Agronomy since 1981. He is also member of the Indian Agronomy Society and Indian Plant Physiology Society. He has published over 55 research papers in refereed

international journals and many book chapters. He is widely travelled and continue to share his knowledge for the development of horticulture.

Address: Sr. Agronomist, Jain Irrigation Systems Limited, Chennai, Tamil Nadu; Dr.soman@jains.com, phone:9443315947

12.5 SHRI SANJEEV KUMAR CHADHA IFS (CF-301)

The details are furnished under para 3.2



Address :Mr. Sanjeev Kumar Chadha, Managing Director, National Agricultural Cooperative Marketing Federation Of India Ltd. (NAFED), NAFED House, Siddhartha Enclave, Ring Road, Ashram Chowk, New Delhi-110014; Tel.: (011)-26344293; Email:mdcell@nafed-india.com; sanjeev.64@gov.in

12.6 MR. JAGDISH PRASAD MEENA (CF-302)

The details are furnished under para 6.0.



Address: C-3, Tower 10, New Moti Bagh, New Delhi - 110 023; Permanent **Address:**Village Pilodi, District Dausa, Rajasthan – 303 509; Off: 91-011-26493225; Res:91-011-24121033; Cell:8802334455

12.7 Dr. INDER MOHAN VERMA (CF-303)



Dr. I.M. Verma, Professor (Horticulture), born on 22nd June, 1958, obtained his Bachelor's Degree from University of Rajasthan, Jaipur in 1979, Master's Degree from University of Udaipur in Horticulture in 1983 and Ph.D. from CCS, HAU, Hisar in Horticulture / vegetable crops in 1999. In his career, spanning 35 years, he served in various capacities. He worked as a Chief Scientist at KVK Bikaner till 2017. In his career, at KVKs, he organized various kisan mela. He was the Head of the Department at Horticulture, College of Agriculture, SKRAU, Bikaner. He has guided many students. The Krishi Vigyan KenDr.a, where he served got best KVK award, SKRAU, Bikaner. As a researcher, he has developed water saving model and diggi based farming model. He has participated in many conferences and seminars and organised various exhibitions. He was also awarded the best Agriculturist at Bikaner. Currently, he is the Professor of Horticulture in Swami Keshwanand Rajasthan Agriculture University.

Address :215, Gandhi Colony, Bikaner-334001 (Rajasthan); Cell: 09414230566; Email: Inderverma50@gmail.com

12.8. DR. TARAK NATH SAHA (CF-304)



Dr. Tarak Nath Saha, scientist, born on 16th august, 1981, obtained his graduate B.sc (Agriculture) in 2002 from BHU, Varanasi and earned his Master M.Sc and Ph.D (Horticulture) from IARI, New Delhi. Starting his career, as scientist at ICAR, Directorate of Floriculture Research, he has contributed significantly to floriculture research and development. He worked on breeding of gladiolus for quality and yield, and on tuberose for novel colour and oil recovery. He also worked on improvement of flowering annuals and also the production technologies. He has been responsible for teaching Landscape Gardening and has developed several varieties. He was associated with validation of DUS testing guidelines for tuberose (*polianthes tuberosa* L.) and has published more than 19 papers in peer reviewed journals. He has been associated with building activities of DFR, as a member, convener and chairman. He has authored and co-authored, training, manual and compendium. Dr. Saha is a recipient of best paper award in Conference and Seminar for his comprehensive presentations. He is also associated with many professional societies and is involved in organising seminar and symposium. He is committed to the furtherance of Horticulture.

Address: ICAR-Directorate of Floricultural Research, College of Agriculture, Shivajinagar, Pune, Mob:7057045592, Email:tnsaha@gmail.com

12.9 PROFESSOR DR. SISIR KUMAR MITRA (CF-305)

The details are furnished under para 10.2.

Address: Professor Dr. Sisir Kumar Mitra, Director, , B-12/48, Kalyani, Nadia, West Bengal, 741235; Email: sisirm55@gmail.com Cell: +09432174249

12.10 DR. SHIV LAL (CF-306)



Dr. Shiv Lal, born in 1981 at Mahidam, Banswara, Rajasthan had schooling at Mahidam, Banswara. He graduated from GBPUA&T, Pantnagar (B.Sc. Ag), with National Talent Search scholarship of ICAR and earned his M Sc (Horticulture-Pomology) with Junior Research Fellowship (JRF) of ICAR and Ph.D. in (Horticulture-Pomology), from IARI, Pusa, New Delhi. He started his carrier as Scientist in 2008 at CITH, Srinagar as a ARS scientist. Currently, he is working as Scientist (Senior Scale)-Horticulture at ICAR-National Research Center on Seed Spices, Ajmer. He has contributed towards morphological and molecular characterisation of peach, olive, almond and apricot germplasm, development of technology for quality planting material production, high density orcharding, canopy architecture engineering and management, and physiological disorders for temperate fruits. He identified two novel markers MSSR 146 & MSSR 174 associated with alternate bearing habit, fruit quality, and yield traits in mango. He was associated with release of 2-varieties of walnut, 1-apricot and 1-sweet cherry from ICAR-CITH, Srinagar. He has developed DUS test guideline for peach and plum, and commercialised several technologies for making various value added products of apricot, cape gooseberry, quince, plum and rose hips. He has successfully completed 4 externally funded projects funded by PPVFRA, MoA, DST and DAC, New Delhi besides 5 institute funded projects. He is recipient of IARI Gold medal, Dr. B.R. Barwale young researcher Award for Best thesis in Horticulture Biotechnology by HSI, New Delhi, young scientist award, ICAR-NET and best oral presentation awards.

He has published more than 35 research papers and has contributed 10 bulletins, 1 book, and 7 book chapters.

Address: ARS, Scientist (Senior Scale), Horticulture , ICAR- National Research Center on Seed Spices, Tabiji, Ajmer, 305206, Rajasthan, India; Mobile No. 9469339841; Email: shivcith@gmail.com

12.11 DR. PANKAJ SRIVASTAVA (CF-307)



Dr. Pankaj Srivastava, born on 15 April 1972 in Gorakhpur of Uttar Pradesh, obtained B.Sc. Ag. & A.H. in 1994, M.Sc. (Ag.) Horticulture In 1996 and Ph.D. Vegetable Science in 2001, from G.B.Pant University of Agriculture and Technology, Pantnagar. He started his carrier during his pursuance of Ph. D. as Senior Research Fellow and worked in UPCAR project on Integrated Nutrient Management in vegetable crops. He joined Uttarakhand Government as Seed Certification Officer and served there for five years in maintaining the seed quality. He worked in Krishidhan Seeds Ltd. for Total Quality Management in 2009, he joined Shriram Fertilizer & Chemicals and served the farmers in Madhya Pradesh and Rajasthan. At present, he is serving Jain Irrigation Systems Ltd as Manager, Agri Extension. He is involved in extending the innovative technologies in the field of hi-tech agriculture. He is incharge of the training centre at Jain Hi-Tech Agriculture Institute, Jalgaon, where he takes lead in conducting the technical training for farmers, government officers. His involvement in training activity is recognise by Holland Door Cooperative U. A. as a Master Trainer. He has published many papers and has been lead speaker in the conferences. He is widely travelled.

Address : Dr. Pankaj Srivastava, Flat No.09, PanchamrutApartment, Adarsh Nagar Colony, Jalgaon, Pin 435001, Maharashtra; Mob. : 9284197274; 9422283401; E-mail : Dr.srivastavap@gmail.com; srivastava.pankaj @jains.com

12.12 DR. ATANU PURKAYASTHA (CF-308)



The details are furnished under para 3.1

Address : DII/113, Kaka Nagar, DR. Zakir Hussain Road, New Delhi-110003; Tel: +91-11-23078242 (R); Mob: +91-9899772227; email: atanu@nic.in,Dr.atanu2011@gmail.com

12.13 DR. A.K. BHARDWAJ (CF-309)



Dr. A.K. Bhardwaj, born on 10th March 1953 in Hathras, District- Aligarh (U.P.), Dr. A K Bhardwaj, completed his early schooling from Naurangi Lal Inter College, Aligarh. He earned his B. Sc. (Hon) Ag. & A.H., M. Sc. (Ag.) and Ph. D. from G. B. Pant University of Agriculture & Technology, Pantnagar. Starting his career as Junior Research Officer in 1989, in 1989, at GBPUA and T, Dr. Bhardwaj rose to the level of Professor in 2005. He has been associated with teaching, research an extension for more than 30 years, He also served asChief General Manager of farm of 3000 acres, and is credited to have enhanced the farm and crop productivity. He worked on AICRP Cropping System and AICRP Integrated Farming System Projects. Dr. Bhardwaj has been associated with several International research

projects. His contribution to zero tillage in wheat, direct seeding in rice, site specific nutrient management and integrated farming system model are well recognised. He has taught UG and PG courses in Agronomy and guided 09 M. Sc. (Ag.) and 02 Ph. D. students, beside co-advising more than 25 students of M.Sc and Ph.D. He has published 84 research papers, 06 popular articles and many pamphlet and bulletins. He has authored one book and 03 chapters on resource conservation techniques. He has been speakers in conferences and is associated with many professional societies. He is recipient of many national and international awards. Dr. Bhardwaj has visited several countries i.e Philippines 03 times, Thailand 02 times, Singapore, Malaysia and Nepal. Currently he devoted for promoting Drip irrigation technology for food crops specially, rice-wheat cropping system.

Address: Ex. Professor & Chief General Manager (Farm) GBPUAT, Pantnagar, Presently advisor, Jain Irrigation System Ltd., Jalgaon, Pantnagar, phone Email:akrbhardwaj18@gmail.com

12.14 Dr. NARENDRA CHAUDHARY (CF-310)



Dr. Narendra Chaudhary, born in 1983 at Kotalpura Jatan, Sawai Madhopur, Rajasthan, had his schooling at Sawai Madhopur and Kota. He did his graduation from Dr. PKV, Akola, B.Sc. Horticulture with National Talent Search scholarship of ICAR and post-graduation in (Horticulture-Floriculture) from Indian Agricultural Research Institute (IARI), Pusa, New Delhi with Junior Research Fellowship (JRF) of ICAR. He has completed Ph.D. also in (Horticulture-Floriculture) from Indian Agricultural Research Institute (IARI), Pusa, New Delhi. He started his carrier as Scientist in 2014 at ICAR-Indian Institute of Spices Research, Regional Station, Appangala, Madikeri. Currently,

he is working as Scientist- Horticulture at ICAR-National Research Center on Seed Spices, Ajmer. He has been associated with development of quality planting material of black pepper and cardamom, organic farming in cardamom and breeding for high yield and disease resistance in cardamom. He has published 4 research papers and 18 popular articles.

Address : ICAR-National Research Center on Seed Spices, Tabiji, Ajmer-305206, Rajasthan, India; 8209533192; ncfls1983@gmail.com

12.15 DR. VIKRAMENDRA PRASAD BHALLA (CF-311)



Dr. Vikramendra Prasad Bhalla, born on 15th November, 1967, earned his B.Com & LLB degree from University of Lucknow in 1990. In his career, spanning 24 years, Dr. Bhalla worked in a various position. i.e. Managing Director, Svarn Financial Services Pvt Ltd., 1994–2012, Director, Chemvikas Engineering Pvt. Ltd., Director of Livvel Product Pvt. Ltd, 2002-2012. Currently, Dr. Bhalla working as a Director at Kishan Nagar Farm. Using the experience and knowledge gained from various institutes and universities, he has developed a modern farming using the latest technology. He has established Greenhouse plantation. He has developed linkages with Research centres at

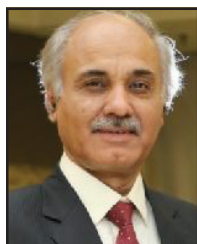
Pantnagar, ICAR LITCHI, Muzzafarpur, IVRI Bareilly, IARI, Pusa, IISTF at Lucknow. The farm has an area of 150 acres where sub tropical fruits are planted. Different varieties of Mango are spread over 125 acres of land. A Litchi orchard is also being developed under guidance of NRCL, Muzzafarpur. He practises canopy management, high density, fertigation and also post harvest handling He is providing guidance to the fellow farmers.

Address : C5/39 Safdarjung Development Area, New Delhi, 110016; Work - Kishan Nagar Farm, PO Kadia, Tehsil Nighasan, Lakhimpur Khiri, UP, 262906; 9811020364 / 6393701593; Email: vikramenDr.a1511@gmail.com

12.16 Dr. ASHOK DALWAI (CF-312)

The details are furnished under para 1.2

Address : Chief Executive Officer, NRAA, ashok.dalwai@gov.in, Room No 147, Krishi Bhawan, New Delhi; Email: ashok.dalwai@gov.in; ashokdalwai@gmail.com

12.17 Dr. J. KUMAR (CF-313)

Dr. J. Kumar, earned his M.Sc. Agri. and Ph.D from G.B.Pant University of Agriculture & Technology (GBPUAT), Pantnagar, 1975-1983, and Post-doctoral Fellow & Project Scientist, International Rice Research Institute, Philippines, 1993-1996. He is currently Dean, College of Agriculture, GBPUAT, since 2016 and was also Vice-Chancellor, GBPUAT, Pantnagar, for a brief period of one year. He held various positions at various locations i.e. Professor, Ranichauri (Uttarakhand); Professor & Head (2007-2012), Ranichauri, Director, Centre of Advanced Faculty Training in Plant Pathology (2007-2012) GBPUAT, Pantnagar. Visiting Scientist, IRRI, Philippines, 1997, 1998, 2001, 2002 and Cornell University, USA, 1999, 2000; INRA, France, 2004. Director Research (Jan-June, 2007) at the Ranichauri. He served as Principal Investigator/Coordinator of about 20 national and international competitive research projects, including multi-institutional and multi-faculty projects. Dr. Kumar has significantly contributed to research, education and research management. He worked on malformation of mango and population mapping of rice blast disease using DNA technology. He has developed seed priming using *Trichoderma harzianum* (Th). He is Associated with the development and release of 4 varieties of small millets. Filed a patent (application no.3804 /DEL /2014), 'Designing PCR based detection & diagnostic assay for *Magnaporthe oryzae*, directly from infected seeds of rice, using PWL2 gene specific primer. His contributions has earned him many Awards and recognition to name the few are Prof. M.J.Narasimhan Academic Merit Award, 1985; Jawahar Lal Nehru Award, 1986; Pesticide India Award, 1987; Rockefeller Foundation (USA) Biotechnology Career Fellow, 1998. He has published more than 100 refereed research papers/reviews in international /national journals. He guided 24 M.Sc. and Ph.D. students in Plant Pathology, Microbiology and Molecular Biology and Genetic Engineering, of which several students received awards and he taught various courses at undergraduate and postgraduate levels. He has been Chairman & member in various committees. He is associated with many professional societies as president, editor and member. Currently he is providing academic leadership in agriculture.

Address: Dean, College of Agriculture, G.B. Pant University of Agriculture & Technology, Pantnagar; Mob No.: 07500241401; E-mail: Jkumar56@gmail.com

12.18 PROF. (Dr.) D. K. SINGH (CF-314)



Dr. Dinesh Kumar Singh is an eminent vegetable scientist and Professor, Vegetable Breeding, at G.B. Pant University of Agriculture & Technology, Pantnagar, with research experience of over 26 years. Dr. Singh has developed 18 varieties of vegetable crops, successfully completed 10 research projects and currently handling 5 research projects. He has also introduced greenhouse tomato breeding and parthenocarpic cucumber breeding programme and has released 4 varieties. He has guided 12 M.Sc. (Ag) and 11 Ph. D. students. He had established Hi-tech research unit in different KVKs and research centres. Prof. Singh served as Assistant Director in Horticulture

Research Centre and also rendered his services as Associate Director (Research), which involved a project planning, monitoring of the university research system. He has published more than 185 research papers and 55 popular articles. He has authored/edited 6 books, 3 manuals and 13 books chapters. Dr. Singh has attended more than 65 national and international symposium, conferences, seminars, and workshops. He has been invited as speaker in various national and international seminars and conferences. His contribution has earned him University Merit Fellowship (1985, 1987), Fellowship MASHAV Israel (2002), Shiksha Ratan Puruskar (2007), Fellowship of Bioved (2012), Fellowship of the Indian Society of Vegetable Science (2013), Faculty Excellence Award (2014), Fellowship of the Horticultural Society of India (2014) and Uttarakhand Ratan Award (2015). He has also visited many countries like Ethiopia (2002), Israel (2002), Romania (2007), China (2009), USA (2014) and Bangkok (2006, 2017 & 2018) etc.

Address: Prof. (Dr.) D. K. Singh, Professor, Vegetable Science,, G. B. Pant University of Agriculture & Technology, Pantnagar-263145, India; Mob. +91 9412931556 Office- +91 5944-233643; Email: dks1233@gmail.com

12.19 Dr. JOGDAND SUNIL MOHAN (CF-315)



Dr. Jogdand Sunil Mohan, born on September 8th, 1985 at Kharda, Jamkhed, Ahmednagar, 2001, earned his B. Sc. (Hort.) and MSc(Ag), from MPKV, Rahuri, 2007 and 2010, respectively. He obtained Ph D (Hort) from GBPUA&T, Pantnagar, 2018. Dr. Mohan started his career as JRO in 2009, RFS, Pune and then joined at Rahuri as SRA,. He also worked in AICRP project, and was officer incharge of the project at Srirampur unit. Currently, he is working as Assistant Professor, Agriculture college, Pune. He has published 20 research papers 16 popular articles, 2 technical publications and has contributed to development of 15 technologies recommended by states for

adoption by the farmers He is Life member of Horticulture Society of India, New Delhi, Indian Society of Alliums, Rajgurunagar, Pune, Society for Advancement of Research on Pomegranate, Solapur, and Journal of Agriculture Research and Technology, Pune. He presented research papers in various National and International conferences, seminars and symposiums. He is recipient of Paryavaran Mitra, Government of Maharashtra.

Address : C/o 1347, Behind Rukhmani Hospita Kashi, Tal: Shrigonda, Dist: Ahmednagar, Pin no: 414 701 (Maharashtra), Tel: 02487231632, Mob No. 7588624232/9370663246, E-mail: sunil.jogdand85@gmail.com, sunilraojogdand@gmail.com

12.20 Dr. SWATI SAHA (CF-316)

Dr. Swati Saha, presently working as Scientist at ICAR-Indian Agricultural Research Institute, Regional Station, Pune. She joined ICAR service on 4 November, 2009, after completing Masters from GBPUA&T, Pantnagar and Doctorate in Horticulture (Olericulture) from IARI, New Delhi. She has the experience of more than nine year in research, teaching and extension. She has handled projects on crop improvement and crop management in various crops like carrot, cauliflower, bittergourd, pumkin, bottle-gourd, lettuce, capsicum, chilli and okra. She has also handled one externally funded contractual project- Evaluation of Liquid and Granular organic products on growth, crop yield, incidence of yellow vein mosaic virus and whiteflies in okra (*Abelmoschus esculentus*. L.)". She was associated in hybrid development of carrot Pusa Vasuda, which is a first public sector tropical carrot hybrid developed, by using CMS system. Dr. Saha was actively involved in PG teaching and taught courses on Olericulture. She was the course-associate in many courses. Besides above, she is also equally involved in the extension activities. She has 13 research papers to her credit. She has authored a book chapters, 3 bulletins, 1 teaching manual, 16 popular articles, 15 chapters in compendium and 9 e-publications. She is a recipient of Dwarka Nath Memorial Award for best Ph. D. thesis in the year 2011 by Indian Society of Vegetable Science, IIVR, Varanasi.

Address : Dr. Swati Saha, Scientist, ICAR-Indian Agricultural Research Institute, Regional Station, Pune, Survey no 125A, ITI Road, Aundh, Pune 411007; Mob: 9403114849; Email: swatisaha1980@gmail.com

12.21 Dr. HARSHAWARDHAN CHOUDHARY (CF-317)

Dr. Harshawardhan Choudhary, born on 3rd February, 1975 at Pataily, Samastipur, Bihar, graduated in Agriculture from University of Allahabad, M. Sc and Ph.D in Vegetable Sciences from G. B. Pant University of Agriculture & Technology, Pantnagar and achieved all first class throughout his academics. He was the recipient of ICAR-Junior Research fellowship and SRF also. Dr. Choudhary started his professional career from Uttar Banga Krishi Vishwavidyalaya, West Bengal as lecturer in 2002, and joined ARS scientist, as the topper of 2001 for Horticulture-Vegetable Science. He started his career at Central Institute of Temperate Horticulture, Srinagar, Jammu & Kashmir, as scientist in 2003 and got selected as Senior Scientist at ICAR-IARI, New Delhi in 2010 and, presently, he is working as Principal Scientist, since 2016. He was selected for Post Doctoral Training in Marker Assisted Selection (Horticulture) sponsored by NAIP at U.S. Vegetable Laboratory, USDA Charleston, SC, USA in 2013. Dr. Choudhary immensely contributed to Horticultural Science and is credited with 7 varieties of different crops (2 varieties of pea & muskmelon; 1 variety each of apricot, cowpea and *Dolichus* bean). He has developed 4 technologies in area of double cropping of pea, off season vegetable production, organic saffron cultivation for J&K and speciality melon production for protected cultivation. An accession with novel sources of resistance to *Fusarium* wilt in muskmelon and watermelon bud necrosis virus in watermelon was identified by him from wild/ related species, which was used in breeding programme. Novel genotype of Indian cucumber was developed with introgression of gynococious trait from exotic line through MAS. He has guided 4 M. Sc students and taught 6 courses to PG students. He has 41 research papers in International/National referred journals, 5 books, 10 technical bulletins/ manuals and 103 book chapters/popular articles to his credit. He has participated in many national and international seminar and conferences and got 7 best research paper/ poster awards. He has actively participated in extension activities and participated in more than 50 TV and Radio shows. He is life

members of many professional societies in area of horticultural and agricultural Science He served as Assistant Editor for Indian Journal of Horticulture. He is currently Managing Editor of International Journal of Innovative Horticulture. He is Fellow of International Society for Noni Science.

Address : Dr. Harshawardhan Choudhary, Principal Scientist, Division of Vegetable Science, ICAR-IARI, New Delhi-110012; Mob: 9654887826; Email: harshaars75@gmail.com

12.22 Dr. KRISHAN PAL SINGH (CF-318)



Dr. Krishan Pal Singh, graduated from JNKVV, Jabalpur in Horticulture, 2007 and obtained his M.Sc. in Floriculture and Landscaping and Ph.D in Vegetables Science, 2012, from JNKVV Jabalpur. After serving, as a Horticulture expert and Senior Research Fellow, he joined Krishi Vigyan KenDr.a, as a subject matter specialist in 2013, currently he is serving as assistant scientist cum assistant prof. CHRS, Jagdalpur, since 2014. He has participated in summer and winter school and he is currently handling various projects in horticulture. He has organised many trainings, i.e. micro irrigation technique, production technique, post-harvest technology and integrated fertiliser.

He has delivered many lectures in conferences and seminars. He has been involved in organizing exhibitions and is contributing significantly in the building of college by taking various responsibilities. He is recipient of best paper award, young scientist award, 2014-15, Presidential appreciation award, best teacher award and best research paper award. He has served as resource person in TV programme etc. He has published more than 30 papers in national and international journal, 8 review papers, 7 lead papers also authored two books and has contributed more than 3 book chapters.

Address: Assistant Professor, CHRS, Jagdalpur, Chattishgadh, phone 942558989 Email: Dr.kpsingh2010@gmail.com

12.23 Dr. ABHISHEK PRATAP SINGH (CF-319)



Dr. Abhishek Pratap Singh, born on 10th July, 1985 in Gorakhpur, Utter Pradesh, had his schooling from Sahjanwa. He graduated in agriculture from DDUGU, Gorakhpur, 2004 and earned his M.Sc. (Ag) in Horticulture (Vegetable Science), 2006. Ph. D in 2009 from NDU&T, Ayodhya (UP) in Vegetable Science. He has expertise in Vegetable Science. He is working as Scientist–Horticulture, since 2012 at Krishi Vigyan KenDr.a, Purnea (Bihar Agri. Uni. Sabour, Bhagalpur). He is providing knowledge on hi-tech horticulture through training and demonstration. He has been involved in several international and national projects. He has gained experience in different

fields, including protected cultivation in vegetable crops. He is also involved in establishing an organic production system in the schools. He has contributed 14 research papers in referred journal and 56 popular articles in hindi and English. He received best poster presentation awards. He has participated in several national conferences and seminars. He is member of more than four professional societies.

Address : Dr. Abhishek Pratap Singh, Krishi Vigyan KenDr.a, Jalalgarh, Purnea (BAU, Sabour) (Bihar), Pin Code-854327; Mob: 8409999358; Email: abhishek.veg@gmail.com

12.24 Dr. (MRS.) JYOTSANA SHARMA (CF-320)



Dr. (Mrs.) Jyotsana Sharma, born on October 24, 1961, graduated from Govt. Degree College, Solan (HP) and earned M.Sc. (with honours) in Plant Pathology from HPKV, Palampur, Solan, 1984 and P.h.D. in Plant Pathology, IARI, New Delhi, 1989. She Joined ICAR as Scientist in June 1989 at CPRS, Jalandhar (CPRI, Shimla). In April, 2006, she joined NRC on Pomegranate at Solapur. In her career, she has contributed significantly in disease identification and its management. She established gram negative bacterium *Xanthomonas axonopodis pv punicae* as the sole cause of pomegranate blight epidemic. She developed challenge inoculation technology for large scale screening of pomegranate germ plasm, seedling population. Two indigenous collection were found resistant, which is used in breeders for the development of blight resistant variety. She developed Integrated Disease and Insect Pest Management (IDIPM) schedule for managing Dr.eaded disease. She handled 7 projects, both institute and externally funded. She got patent for (A Process for preparing a biofertilizer cum biofungicidal composition with *Aspergillus niger* strain AN27. Her contribution has brought many recognitions to her in the form of awards, to name the few are Dalimb Ratna Award-2016, Narinder Nath Mohan Memorial Gold Medal, Dr. S. Ramanujam Memorial Certificate of Appreciation and Best Poster Award, 2014. She has published many papers in peer reviewed Journal, popular articles and book chapters. Currently she is providing guidance for pomegranate research as Director at NRC, Solapur.

Address: Dr. (Mrs.) Jyotsana Sharma, Director (*Acting*) & Principal Scientist (Plant Pathology) ICAR-National Research Centre on Pomegranate, NH-65, Kegaon, Solapur-413255 Phone: (0217)-2350262; M 9623444097, Email: jyotisharma128@yahoo.com

12.25 Dr. K. DHINESH BABU (CF-321)



Dr. K. Dhinesh Babu, graduated from Annamalai university, and earned his M.Sc, Horticulture from HC&RI, Tamil Nadu Agrl. University. Coimbatore, 1998, and Ph.D, Horticulture from COH, Kerala Agrl. University, Thrissur, Kerala, 2005. He has training in computer application. Starting his career as ARS scientist, 1999, ICAR Research Complex for NEH Region, Barapani Meghalaya, he joined NRC on pomegranite, Solapur in 2007, and became Sr. Scientist there in 2008 and Principal Scientist in 2014. Dr. Babu has developed a bio-fortified pomegranate (*Punica granatum* L.) variety 'Solapur Lal' for table & juice purpose and Solapur Anardana' for anardana in 2017, registered 4 pomegranate hybrids (including NRC PH-14 for table purpose; NRC PH-4 for anardana F with PPV&FRA, New Delhi in 2016. He was also involved in development & evaluation of 3 varieties of white flesh guava (*Psidium guajava* L.) – Megha Supreme, Megha Wonder & Megha Seedless one variety of red flesh guava (Megha Magenta) released in 2018 for rainfed tropics of Meghalaya state. He has contributed for the development of various technologies which includes determination of maturity indices, RTS beverage and shelf life enhancement of pomegranate, He has developed agro-techniques fruit crops viz., pomegranate, guava, papaya, banana, passionfruit, Khasi mandarin, Kinnow mandarin peach & kiwifruit, etc. is recipient of 'Jawaharlal Nehru Award for outstanding PG Agricultural Research (2006)' by ICAR, New Delhi; SARP Associate award, 2017, by SARP, Solapur; Fellow of Horticulture Society of India, 2016, New Delhi; 3 university awards and 10 best poster awards. He is member and office bearer in many professional societies, He has published more than 70 research papers, 2 books,

10 bulletins and 15 book chapters etc. currently he is pursuing his research on pomegranate improvement.

Address:D-17, Shrishail Nagar, Bhavanipeth, Solapur- 413 255,Maharashtra, Mobile No: 94200 89265Fax : 0217-2353533, Email - ckdhinesh@gmail.com

12.26 Dr. AWANI KUMAR SINGH (CF-322)



Dr. Awani Kumar Singh, born on 15 March, 1972 in Azamgarh, UP, earned his B.Sc. Ag. from T.D,Collage, Jaunpur, and M.Sc. Ag., Ph.D.in Horticulture-Vegetable Science, and B.Ed. in Science from RBS, Collage, Agra (Agra Univ. Agra) UP. Dr. Singh, is presently working as Principal Scientist, Horticulture-Vegetable Science in the ICAR-IARI, New Delhi. He served as SMS (Hort. Sci.), in KVK, Lohaghat, Champawat before joining as Senior Scientist at CPCT-IARI, New Delhi. In his career, spanning 21 years, his major research contribution has been in the area of protected Cultivation cum Hi-tech-horticulture. He has developed 07 high yielding varieties in different vegetables

crops. Dr. Singh, working with large number of farmers, who have adopted green house technology. He has published over 50 research papers, in national and international journals of repute, 50 research articles, 55 research abstracts, 12 book chapters, 3 books, 5 bulletins, 15 extension folders, 10 training cum teaching manuals. He has guided 3 M.Sc. students in Vegetable Science. His contributions earned him 3 best paper presentation awards and a Best Scientist Award. He delivered 10 lead lectures in seminars. Dr. Singh has organized 3-short course training programmes of Ministry of Agriculture as Course Director. He has delivered 30 TV talk and 10 Radio on the topic of protected cultivation in DD1, DD-Kisan, FM-Gold. He is life member of 8 professional societies. He is Fellow of Progressive Horticulture. He continues to promote protected cultivation in vegetable crops.

Address:Dr. Awani Kumar Singh, Principal Scientist (Veg./Hort. Sci.), Centre for Protected Cultivation Technology (CPCT), IARI, Pusa, New Delhi (INDIA)- 110012; Email:singhawani5@gmail.com;Mob No:+91 9013439110; 7042525454

12.27 Dr. BEENA SINGH (CF-323)



Dr. Beena Singh, born on 19th January, 1985 in Jabalpur, Madhya Pradesh, earned her B Sc. , M Sc. and Ph D, in Horticulture, from JNKVV, Jabalpur, in the year 2007, 2009 and 2013, respectively. She secured Gold Medel in both in M. S.c and Ph. D for securing highest grade point. She also obtained training in application of computer sciences. She started her career as SRF in 2012, working on onion and garlic project at Jabalpur. Subsequently, she was selected for the position of Assistant Professor, S V College of Agriculture, Jagdalpur and joined on 22nd August, 2014, in the AICRP, Palms project. She attended 3 summer and winter schools for upgradation of knowledge. Besides

PI in palms project she is a co-PI of 3 Government sponsored projects. She has been recipient of scholarships in her studies and has received young scientist award for her research and extension work. She has significantly contributed to palm research and has organised many self help groups among tribals. She is credited to have introduced minnow cultivation in tribal area. She is teaching courses of Horticulture in B Sc Ag classes. She has published 22 research papers, 20 popular articles, a book and 2 book chapters.

Address : F-1, Agricultural Colony, Kumhrawand, Jagdalpur, Bastar-494001, C.G. Contact No. 9425589892: F-1, Sitamahu Pahatak, Near Eye Hospital, Mandasaur, M.P. 458001, Contact No. 9425589892 Email: beena.nair 1985@gmail.com, 9425232226

12.28 Dr. KRISHNA KUMAR (CF-324)



Dr. Krishna Kumar, born in Nagra, Ballia, on 1st July, 1967, is currently working as Head and Principal Scientist, IIPR, Kanpur. He started his career as Research Associate at IARI, New Delhi. Subsequently, he joined as Asstt. Professor at College of Agriculture, SKUAST, Jammu and worked for 7 years then he was selected as Senior Scientist at CIARI, Port Blair and Nicobar. Dr. Krishna Kumar became Principle Scientist there, then he got transferred to IARI, New Delhi and became Head of Division at IIPR, Kanpur. He had training on Isolation and structural determination of bioactive constituents of microbes at Michigan State University, Michigan, USA. In the career spanning 23 years, he has contributed significantly in teaching and research. He is credited to have developed bacterial resistant varieties of brinjal, and also varieties of rice and moong. He was also associated with the development of multi trade PGPR for growth promotion of rice and was also associated in identifying potential *Trichoderma* species for soil borne disease management and plant growth promotion. He has extensively worked on mushroom production technologies. Currently, he is contributing to pulse research. His significant contribution earned him various awards, to name the few, are Fakhruddin Ali Ahmed Award, ICAR, 2011, SPPS Meritorious Scientist Award, SPPS, 2011, Distinguished Service Award, Allahabad 2010, PP Singhal Memorial, PI Industries Award-2018 and many best paper and poster awards. He is member of many professional Indian Societies in the field of agriculture and holds many prestigious positions. He has published more than 20 papers in peer reviewed journals and 24 popular articles/extension bulletins/training manuals. He has also credited to have contributed to the farmers training, organization of fairs, and delivering Radio Talks. He has visited Thailand, Indonesia, USA and China.

Address: Head and Principal Scientist (PI Pathology), Division of Crop Protection, ICAR-Indian Institute Pulses Research (IIPR), Kanpur-208024, UP, India. Mobile-+91-9474211280, +91-9818740144 Office +91-512-2580988, 2580986; Email: kspath@gmail.com

12.29 TAMIL NADU AGRICULTURAL UNIVERSITY (CF-325)



Tamil Nadu Agricultural University (TNAU), a leading agro-technology provider of India, has provided Human Resource in agriculture, who are recognised across the Globe. The TNAU has its genesis from establishment of an Agricultural School at Saidapet, Chennai, Tamil Nadu, as early as 1868 which was later relocated at Coimbatore during 1906, college of Agriculture. The University is offering thirteen Undergraduate Degree Programs, Forty Graduate Degree Programs and twenty six Doctoral Programs in 14 Colleges distributed in 11 campuses all over Tamil Nadu. TNAU has 36 Research Centers for agrotechnology development and 14 Farm Science Centers for outreach. The National Institutional Ranking Framework (NIRF) of Ministry of Human Resource Development (MHRD), GOI ranked TNAU as the first among the State Agricultural Universities in India. TNAU ranks 25th among "All Universities" category and 40th among "Overall" category of academic institutions and Ranked 105th in QS-BRICS. The major Science based undergraduate Programmes include Agriculture, Horticulture, Forestry and Home Science apart from Technology based courses viz

Agricultural Engineering, Biotechnology, Bioinformatics, Horticulture, Food Processing Engineering (FPE) and Energy Environment Engineering (EEE). Each discipline offers a wide range of Post graduate and Doctoral programmes in order to cater to the burgeoning agricultural growth and development.

Address: Tamil Nadu Agricultural University, Coimbatore- 641003; Phone :0422-6611273, Email:kumarhort@yahoo.com; library@tnau.ac.com; Phone :0422-6611273, Mobile: 9585370914 / 9080894722

12.30 Dr. K. MURLIDHARAN (CF-326)



Dr. K. Murlidharan, born on 31 May, 1963, graduated from Calicut University, earned his master from Kerala Agricultural University and Ph D in Ag statistics, from IARI , New Delhi. He Joined Agricultural Research Service, in 1990 and started working at CPCRI as scientist. For 27 years, he worked in various capacity and became Principal Scientist and Head. His research interests include survey sampling, data analysis, statistical genetics, experimental designs etc. He handled many important projects which includes data warehousing (collaborative project), coconut value chain, farmers participatory research programme on soil and water conservation, forecasting of coconut production in India and cost of production of coconut. He has been associated with research activities of IAD for the past 15 years. He has published 62 papers in peer reviewed journals, 40 popular articles and 6 book chapters besides 32 publication in proceedings. His publications also include a book 'Manual on Experimental Design and Data Analysis for Coconut Researchers' published by Bloversity International He is members various important committees and provides leadership in social sciences.

Address : Principal Scientist & Head, Division of Social Sciences, CPCRI Kasararagod-671124, Kerala, Phone-04994 232894 Mobile- 9446169526 e-mail- kmurali.cpcri@gmail.com

12.31. Dr. ANITA KARUN(CF- 327)



Dr. Anita Karun, obtained her B.Sc (Agriculture), M.Sc (Horticulture) and Ph.D(Pomology) from University of Agricultural Sciences, Bangalore, 1980 to 1988. Then she started her career as Asst. Professor, Kerala Agril. University in 1988 and served there till she was selected as ICAR-ARS scientist in 1990. She joined at CPCRI, Kasaragod during 1991, and was promoted to senior scientist and principal scientist, subsequently. She was selected as Head of the division, Crop Improvement, in May 2102 and currently, since January 2019, she is acting Director of CPCRI. She is credited to have contributed significantly in collection of exotic germ plasm from 8 countries, These collection were made through mature embryo and its success resulted in establishment of International Coconut Gene Bank for South Asia (ICG-SA) at CPCRI Research Centre, Kidu. She is also credited to technology for cryopreservation of coconut embryo, embryonic shoot meristem, pollen and plantlet derived *in vitro* and encapsulation, dehydation. She also developed techniques for tissue culture from plumular tissue in coconut and embryonic cell in Areca nut. She also developed male specific RAPD marker in Palmyrah palm for early identification of male plants. She has guided 43 MSc and 6 Ph D students and .has published 125 research papers in peer reviewed journals, 24 book chapters, more than 50 popular article/ booklets. For her contribution she has been awarded ICAR Team research Award, 2000 and Best Areca nut scientist Award, 2014. She has been adviser abroad on cryopreservation techniques and has visited many countries abroad in different capacities. She is chairperson and members in many committees and is associated with many professional societies. Currently, she is providing research guidance as Director.

Address : Director , CPCRI Kasaragod-671124, Kerala, Phone- 04994 232894 Mobile- 9446169526
e-mail- kmurali.cpcri@gmail.com

12.32. THE NAFED (CFI-328)



National Agricultural Cooperative Marketing Federation of India Ltd.(NAFED) , established on 2nd October 1958, as the Multi State Co-operative Societies to promote Co-operative marketing of agricultural produce, with farmers as members, is engaged in organising, promoting and develop marketing, processing, storage of agricultural, horticultural and forest produce, import and export of agricultural commodities to augment the supplies in domestic market. Nafed also extends support to farmers in collaboration with State Level Marketing Cooperatives/ Commodity Federation and Primary Agricultural Cooperative Marketing Societies

and has membership of 908 societies consisting of National Level Federation, State and UT Level Apex Cooperative Marketing Federations, State Level Tribal & Commodity Federation and Primary Cooperative Marketing/processing Societies. The NAFED Is an apex organisation for Price support Schemes, and is Nodal agencies for implementation of PSS contributing to 90% of the volume of procurement for stabilising the price of the commodity. Nafed has also increased its activities in the area of seed distribution and consumer marketing through retail trade and is engaged in the development of infrastructural facilities like Godowns, cold storages and warehouses. Besides, the NAFED is taking initiative for organic food, waste utilisation, and Programmes of Government of India.

Address: Managing Director, NAFED), Siddhartha Enclave, Ashram Chowk, Ring Road, New Delhi -110014, Tele 011-26344293, Email mdcell@nafed-India.com

12.33 Dr. PRAVIN KUMAR TIWARI (CF-329)



Dr. Pravin Kumar Triwari, born on 28 Sep, 1973, graduated in Agriculture from Chaudhary Charan Singh University, Meerut, 1996, and earned his M.Sc and Ph.D in Agricultural Extension from C.S. Azad University of Agri. & Tech., Kanpur and Banaras Hindu University, Varanasi. respectively in 1998 and 2006. He obtained NET in Agricultural Extension in 2012.

He joined as research associate at NDUAT, Kumarganj, Faizabad. In 2009 he was selected as SMS at IGKV, Raipur and then as Assistant Professor at agricultural college, Jagdalpur under IGKV, Raipur. He carried all the responsibilities of extension activities of Re-mandated ZARS-KVK, Basuli, Maharajganj, as Research associate. He was also associated with teaching at Faizabad. As SMS he carried all the mandatory responsibilities of KVK, Korea including administration. As assistant professor, he is responsible for teaching and research at College of Agriculture, Korea. He has handled many projects and organised more than 298 monthly workshops and trading besides organising many field demonstrations. He has also been involved in organising field day and Kisan Mela. He has significantly contributed to teaching and research which earned him Excellence Teaching Award in 2017 from *Samagra Vikas Welfare Society (SVWS)*, Lucknow (U.P.). He is also recipient of best poster award and was recognised to co-chair a technical session in the conference. He is chairman and member in various committees constituted for the activities of college. He has published 5 research papers , 21 popular articles, a book chapter and 11 review papers. Currently, he is contributing to teaching and research in Agricultural Extension Education.

Address : Asset. Prof. (Agril. Extension), College of Horticulture & Research Station, Jagdalpur-494 001, Bastar,
Cell: 91-7587004726 ® 91-9644118103 e-mail: tewaripk73@gmail.com

12.34 Dr. OM PRAKASH AISHWATH (CF- 330)



Dr. O.P. Aishwath, born in July, 1967, in Firozabad, UP, obtained his BSc (Ag) Hons and MSc (Ag) in Agricultural Chemistry and Soil Science from Agra University, Agra, 1991, and MSc in Environmental Sciences from SM University, Gangtok, 2002 and PhD in Soil Science & Agricultural Chemistry from IARI, New Delhi 1997. He acquired PG Diploma in Ecology and Environment from Indian Inst of Ecology and Environ, New Delhi, 2000, and Diploma in Soil Process and Gaseous Emission' from Ohio State University, Columbus, USA, 2010. He had training in Carbon Sequestration and Climate Change from OSU, USA. Starting his career as ARS scientist at DMAPR Anand in 1997,

Dr. Aishwath became Sr scientist at NRCSS, Ajmer, and was promoted to principal scientist in 2012. He handled 35 Institutional, Inter-institutional externally funded projects as PI and CoPI. He has contributed significantly in nutrients management, translocation, re-translocation, phyto-mobilisation, edapho-climatic stress and nutrient influx for their management in field crops, spices, medicinal & aromatic plants. He has been chairman-PME Cell, member secretary-IRC and Head, Production Unit. Dr. Aishwath is Fellow of FNABS, FISSS, FSAB, FGKVS and Indian Society of Spices (FISS), Calicut. He is recipient of Distinguish Scientist Award from SSDAT, 'Leadership Award' and a 'Gold Medal' from SCSi, New Delhi, Interdisciplinary Team Research Award as a team leader, SAB Award for Excellence in sustainable Agriculture', Dr. H.S. Mehta Memorial Award and other 10 best oral/poster presentation Awards. He is Editor-in-Chief and reviewer of national and international Journals. He was Course Director of ICAR-Winter School. He was a chair and co-chair and invited speaker in national seminars and conferences. He has been councillor/executive councillors, joint secretary in professional Societies and is a vice President of SCSi. He is credited to have published 300 papers, which include 80 research papers in peer reviewed journal, 8 review articles, 8 books, 38 book chapters, 14 bulletins etc. He is widely travelled and is committed to developing technologies for effective management of resources.

Address : ICAR-NRCSS, Tabiji – 305 206, Ajmer, Rajasthan (for society/institute), A-687- ChanDr. avar dai Nagar, Ajmer, Rajasthan, Pin – 305 003. Tele No.: 9588213100, Fax: 0145-2684417, Email: aishwath@gmail.com / opa_scn@yahoo.co.in / panda859@rediffmail.co12. 35Dr. RupenDr.a Kumar Jhade(CF-231)

12.35 DR. RUPENDRA KUMAR JHADE (CF- 331)



Dr. Rupendra Kumar Jhade, presenting working as Scientist (Horticulture) at JNKVV, KVK, Chhindwara, M.P. obtained his B.Sc(Ag), 2011 and earned his M.Sc. and P.hd, Horticulture in Fruit Science from JNKVV, Jabalpur, Madhya Pradesh. He worked on Indigenous plant hormones at IIHR, Bangalore and qualified for NET in 2014. He developed hormonal strategies for ensuring uniform flowering in citrus and pomegranate and also reported about emerging fruit disorder in Nagpur mandarin waywar. He earned his experience in the field of citrus, micro irrigation and nursery management. He has published several papers in national and international journals

and is a recipient of young scientist award, 2016. He has participated in several national and international seminars, workshops, symposia and conferences to present papers. He is associated with many professional societies as member.

Address: Dr. Rupendra Kumar Jhade, JNKVV, KVK, Chhindwara (M.P.); Cell no.: (+91) 9424942883, E-mail: jhaderk49@gmail.com

12.36. Dr. SANJAY K PATIL, Vice Chancellor, IGKV (CF-332)

The details are furnished under para 3.5



Address : Dr. S.K. Patil, Vice Chancellor, Indira Gandhi Krishi Vishwavidyalaya, Krishak Nagar-492012, Raipur (Chhattisgarh) Tele : 91-771-2443419; Fax : 91-771-2442302; e-mail : spatil_igau@yahoo.com, vcigkv@gmail.com, www.igau.edu.in

12.37 IGKV, Raipur (CF-333)



Indira Gandhi Krishi Vishwavidyalaya (IGKV), Raipur (Chhattisgarh) has very long historical background starting Agriculture Research Station, in British regime, in 1903 known subsequently, Rice Research Station (RRS) in mid sixties and was strengthened and established as Madhya Pradesh Rice Research Institute (MPRRI) in 1974, under the leadership of Late Dr. R.H. Richharia as the Director. The College of Agriculture, Raipur was established in 1961, which became one of the seven constituent colleges of JNKVV, Jabalpur, 1967 and in 1987, it became the Indira Gandhi Krishi Vishwavidyalaya

(IGKV). Since its inception as an independent University, it has expanded manifolds imparting teaching, research and extension through its 38 colleges which includes 23 constituent colleges and 15 affiliated colleges. Out of these, there are 28 Agriculture colleges, 06 Horticulture colleges and 04 Agricultural Engineering colleges. The intake capacity of Bachelors programme is 2655. There are Masters programme in 20 departments with 487 intake capacity and Ph.D. programme in 19 departments with 108 intake capacity. A total of more than 8000 students do study in the university at time. Presently, the university has 17 research stations with three international projects, 43 AICRPs and 79 Adhoc projects. The university has developed 104 crop varieties of 36 different crops. During the year 2017-18, a total of 22 crop varieties were developed. University produced a total of 3700 MT of quality seeds during 2017-18. University has also developed more than 100 agricultural technologies for increasing the production and productivity of crops. The Directorate of Extension at IGKV through its 26 KVKs organize about 2000 trainings and field demonstrations annually by which about 53000 farmers are benefitted. Indira Gandhi Krishi Vishwavidyalaya, Raipur is recognized for its work through various national, state and regional awards. Some of the awards are National Best Krishi Vigyan Kendra Award, AICRP Award, National E-governance Award, PPVFRA Award etc.

Address: Dr. S.K. Patil, VC, Indira Gandhi Krishi Vishwavidyalaya, Krishak Nagar-492012, Raipur (Chhattisgarh); Tele : 91-771-2443419; Fax : 91-771-2442302; e-mail : spatil_igau@yahoo.com, vcigkv@gmail.com, www.igau.edu.in



12.38 Prof. Dr. A. K MISRA (CF- 334)

The details are furnished under para 1.3

Address: ASRB, Krishi Anusandhan Bhawan, Pusa, New Delhi

12.39 Dr. Ramesh Kumar Goyal, Professor, HAU, Hisar, Haryana (CF-235)



Dr. Ramesh Kumar Goyal, born on April 10, 1967 in village Mangali, Hisar (Haryana), obtained his Bachelor (Hons.) degree in Agriculture from Haryana Agricultural University (HAU), Hisar in 1988, earned his master and doctoral degree in horticulture from same University in 1990 and 1994, respectively. Starting his career as Assistant Professor, in September 1994 he became Associate Professor in September 2003 and Professor in September 2009. In his career spanning 24 years, he has worked on different aspects of Fruits Science including crop production, post-harvest technology, extension and training. He has guided 9 M.Sc. and 2 Ph.D. students majoring in Fruit Science, Floriculture & Landscaping and Post-harvest Technology. As the Joint Director, Academy of Agricultural Research Education and Management, In-charge Computer Centre, Directorate of Human Resource Management, he organized various training courses. He has handled two research projects, *i.e.*, National Agriculture Technology Project (NATP) and Rashtriya Krishi Vikash Yojna (RKVY) successfully. He has been instrumental in undergraduate and postgraduate course curriculum development of Fruits Science at University level and has been engaged in teaching, research, extension and developmental activities related to Fruit Science. He has published 68 research papers, 1 book, 3 chapters, 30 training and course manual, four practical-cum-teaching manuals for under- and postgraduate courses. Dr. Goyal has traveled widely in the country and has visited Israel and China for participation in training and conferences.

Address: Professor, Department of Horticulture, College of Agriculture, CCS Haryana Agricultural University, Hisar - 125004 (India) +91-94163-97529, Email: rkgoyal67@gmail.com

12.40 Yogeshwar Singh, Sr. Scientist, NIASM, Baramati, Pune (CF-236)



Dr. Yogeshwar Singh, graduated in Agriculture, 2002 and earned his masters, M Sc, and Ph D in Agronomy, from Banaras Hindu University, Varanasi, in 2004 and 2006, respectively. Starting his career as Assistant Professor at Rajendra Agricultural University, Pusa, Samastipur, Bihar in 2007, Dr Singh became Associate professor at JNKVV, Jabalpur in, July 2012 then Joined at ICAR- National Institute of Abiotic Stress Management Baramati-Pune, Maharashtra, in October, 2012, where he continues. He has contributed significantly in research and development and is credited to have contributed to production technology of fruits in abiotic stress conditions. His work on dragon fruits especially Propagation and production system is highly appreciable. His academic excellence and hard work have earned him many awards namely, B.H.U. Gold Medal and Dr. Mahatim Singh Gold Medal for standing first in M.Sc. Ag., Bioved Young Scientist Associate Award, 2015, Eminent Scientist Award, 2014 from Samgra Vikas Welfare Society, Lucknow and Young Scientist Award, 2015 from Society for Advancement of Research on Pomegranate (SARP), Solapur. He has published 37 papers in peer reviewed Journals, 24 conference abstracts, 02 books, 12 book chapters & scientific reports, 9 manuals and technical bulletins and 12 popular/ extension articles and 4 technology/ extension bulletin. Currently, he is working as Sr. Scientist at NIASM, Baramati, Pune and is developing production system for fruits especially Dragon Fruits.

Address: Senior Scientist ICAR- National Institute of Abiotic Stress Management, Baramati-413 115, Pune, Maharashtra, India Phone No : (+91) 9730293567, 7020192152 e-mail: singhyogeshwar@gmail.com; yogeshwar.singh@icar.gov.in

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-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

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-Dr. 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-Dr. 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-JISL 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 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, which 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

To

Chairman CHAI

Thesis entitled

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- 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

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) ASSOCIATE FELLOW OF CHAI

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.

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.)

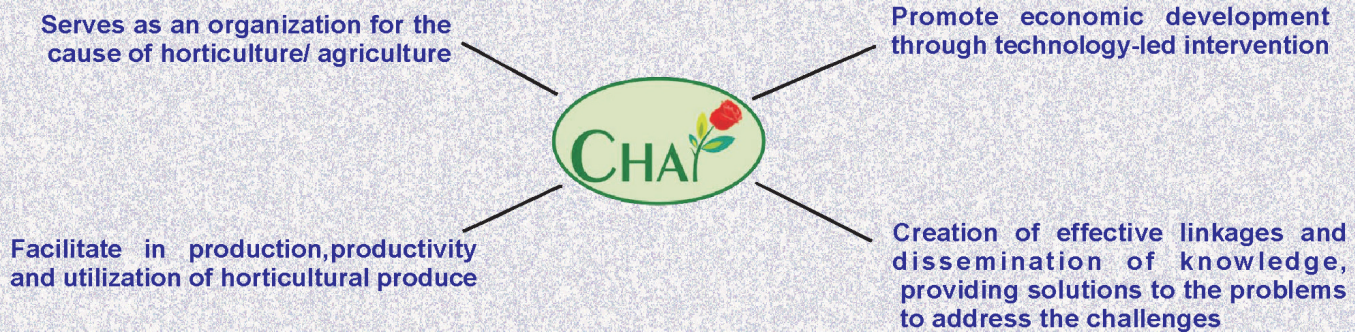
We thank all the reviewers for their dedicated service to IJH, and welcome any comments or suggestions about these requests and instructions specifically, or the IJH review process generally.



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.

Classes of Membership and Rates

Patron Corporate Member: Rs. 5,00,000
Corporate/ Institutional Membership: Rs. 1,50,000
Association Membership: Rs. 1,50,000
Individual Member: Rs. 30,000
Foreign Member: US\$ 5000

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

Contact:

Founder Chairman
Confederation of Horticulture Associations of India
249, Vijay Veer Awas, Kargil Colony, Sector18-A , Dwarka
New Delhi - 110078, India
Tel : 28085749, Mob: 9871450730
Email: confedhorti@gmail.com
Website: www.chai.org.in



Subscription for Libraries

For one year : Rs 5,000
For three years : Rs 13,500
For five years : RS 21,500