



**Name of Faculty: Dr. Yogendra Singh**

Designation: Assistant Professor

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**Educational Qualification:**

Ph. D. (Horticulture) Fruit Science (Agriculture University Kota, Rajasthan)

M. Sc. (Horticulture) Fruit Science (V.C.S.G.UUH&F, Bharsar, Pauri Garhwal (Uttarakhand)

B.Sc. Agriculture (SKRAU, Bikaner, Rajasthan)

**Total Experience:** 4 years

**Academic:** Teaching and Research

**Areas of Interest:**

Protected Cultivation of Fruit Crops, Cultivation and Management of Horticultural Crops, Organic Cultivation of Horticultural Crops, Orchard Management, Sustainable Agriculture Practices and Value-Added Horticultural Products.

**Brief Profile:**

Dr. Yogendra Singh specializes in horticulture particularly fruit science. He has been engaged in teaching for the past four years, imparting knowledge to students in various subjects related to horticulture. In his continued service tenure, he has worked on orchard management aspects of

horticultural crops, and protected cultivation of horticulture crops. He has a passion for creative writing in the field of horticulture. He has contributed 15 Papers in NAAS rated scientific journals, 6 Book chapters, 2 Manuals and 18 popular articles covering various aspects of horticulture. Furthermore Dr. Yogendra Singh successfully guided 3 students leading to PG degree in horticulture. He has been involved in organizing 1 value added course entitled value added products of horticulture crops.

### **Research publications in International Journal**

- Published Paper Entitled “The impact of micronutrients applied through foliar application on the growth, yield and benefit cost ratio of strawberry (*Fragaria × ananassa* Duch.) cv. Camarosa under the polyhouse condition” in The Pharma Innovation Journal, 12(8): 389-394; 2023.
- Published Paper Entitled “the impact of varying levels of plant growth regulators on the growth and yield characteristics of pomegranate (*Punica granatum* L.) cultivar Kandhari” in The Pharma Innovation Journal, 12(7): 3190-3194; 2023.
- Published Paper Entitled “Study on the performance of Cape gooseberry (*Physalis peruviana* L.) genotypes in the humid zone of southeastern Rajasthan, India” The Pharma Innovation Journal, 12(7): 3402-3407; 2023.
- Published Paper Entitled “Characterizing yield, nutrient elimination and fruit quality analysis of custard apple (*Annona squamosa*) under consortium of *Azospirillum brasilense* and vermicompost” in Current Horticulture, 10 (2): 30-33, 2022.
- Published Paper Entitled “Augmentation of Plant Growth Attributes, Soil Physico-Chemical Properties and Microbial Population in Custard Apple cv. Balanagar in Response to *Azospirillum brasilense* and Vermicompost Application in Humid Zone of South Eastern Rajasthan, India” in Communications in Soil Science and Plant Analysis; 55(21): 2701-2714, 2021.
- Published Paper Entitled “Studies on consortium of *Azospirillum brasilense* and Vermicompost application on plant growth attributes, soil physico-chemical characteristics and microbial population in custard apple cv. Raydurg” in the Pharma Innovation Journal, 9 (12): 135-143, 2020.
- Published Paper Entitled “Analysis of pomological traits amongst Jamun genotypes in scrub forests of Jhalawar district in the Journal of Pharmacognosy and Phytochemistry, 9 (2): 1905-1910; 2020.
- Published Paper Entitled “A review on bioactive compounds and medicinal strength of Jamun (*Syzygium cumini* Skeels)” in International Journal of Chemical Studies, 7(4): 3112-3117; 2019.

- Published Paper Entitled “An Overview on Inherent Potential of Underutilized Fruits” in the Int. J. Pure App. Biosci, 7 (3): 86-103; 2019.
- Published Paper Entitled “A review on horticulture in augmenting human health metabolism and disease prevention” in the International Journal of Chemical Studies, 7 (3): 3553-3563; 2019.
- Published Paper Entitled “A Review on Exploitation of Nutraceuticals from Potential Fruit Crops” in Int. J. Pure App. Biosci, 7 (2): 213-223; 2019.
- Published Paper Entitled “A review on insight of immense nutraceutical and medicinal potential of custard apple (*Annona squamosa* Linn.)” in the 7(2): 1237-1245;2019.
- Published Paper Entitled “The effect of foliar spray of Zn, Cu and B on physico-chemical parameters of sweet orange (*Citrus sinensis* L.) cv. Mosambi ”in Journal of Pharmacognosy and Phytochemistry, 7(6): 1606-1610;2018.
- Published Paper Entitled “Studies on the effect of foliar spray of Zn, Cu and B on growth, yield and fruit quality of sweet orange (*Citrus sinensis* L.) cv. Mosambi. International Journal of Chemical Studies, 6 (5): 3260-3264; 20218.
- Published Paper Entitled “Effect of Mn and Fe on Yield, Fruit Quality and Economic Feasibility of Mandarin (*Citrus reticulata* Blanco) cv. Kinnow” in International Journal of Current Microbiology and Applied Sciences, 7(7): 2815-2820, 20218.

## Book chapters

- Published Paper Entitled “Production Technology of Low Chilling Fruit Crops in North Western” in part of India” in the AKINIK Publications New Delhi, ISBN: 978-9389680-09-6; 2020.
- Published Paper Entitled “Production Technology of Low Chilling Pears in North Western Part of India” in the AKINIK Publications New Delhi, **ISBN:** 978-9389680-09-6; 2020.
- Published Paper Entitled “Custard Apple (*Annona squamosa* L.) A Super Fruit of Immense Nutritional Value for 21<sup>st</sup> Century under Arid and Semi-Arid Regions” in AKINIK Publications New Delhi, ISBN: 978-93-5335-732-0; 2019.
- Published Paper Entitled “Emphatic Potential of Jack Fruit, Palmyra Palm, Karonda, Tendu, Chironji and Amra for Imparting Health Benefit” in AKINIK Publications New Delhi, ISBN: 978-93-5335-778-8; 2019.
- Published Paper Entitled “A Peep into Insight of Physiological Disorders of Fruits and Their Management Remedies in AKINIK Publications New Delhi, ISBN: 978-93-5335-778-8; 2019.

- Published Paper Entitled “Postharvest Management, Processing and Value Addition of Arid and Semi-Arid Fruits in SATISHSERIALPUBLISHINGHOUSE 403, Express Tower, Commercial Complex, Azadpur, Delhi-110033 (INDIA) ISBN: 978-93-86200-00-0; 2019.

### **Papers presented in National Conferences**

- Paper on “Biodiversity of citrus fruits” in National Seminar on Smart Horticulture at College of Horticulture & Forestry Jhalrapatan, Jhalawar-326023 (Raj).

### **International/National Conference & Workshops Attended**

- Participated in Seminar entitled “Advances in Agricultural and Biodiversity Conservation for Sustainable Development” conducted at CCS. University, Meerut (UP) from 27<sup>th</sup> Oct to 28<sup>th</sup> Oct 2017.
- Participated in Seminar entitled “Advances in Agricultural, Biological and Applied Science for Sustainable Future (ABAS)” conducted at Sardar Patel Auditorium, Swami Vivekanand Subharti University, Meerut (UP) from 20<sup>th</sup> Oct to 22<sup>th</sup> Oct 2018.
- Participated in Seminar entitled “Arid Horticulture for Enhancing Productivity and Economic empowerment” conducted at ICAR- CIAH, Bikaner (Raj.) from 27<sup>th</sup> Oct to 29<sup>th</sup> Oct 2018.
- Participated in 4<sup>th</sup> Agrivision National Convention entitled “Integrated Agriculture- Prosperous Bharat” conducted at National Agricultural Sciences Complex, ICAR New Delhi from 27<sup>th</sup> Jan to 29<sup>th</sup> Jan 2019.
- Participated in conference entitled “2<sup>nd</sup> International Conference Food Security, Nutritional and Sustainable Agriculture- Emerging Technologies” conducted at Baba Farid Group of Institutions Bathinda (Punjab) from 14<sup>th</sup> Feb to 16<sup>th</sup> Feb 2019.
- Participated in Seminar entitled “Technological Advancement in Horticulture For 21<sup>st</sup> Century UNDER NAHEP- IG- ICAR, New Delhi” conducted at College of Horticulture & Forestry Jhalrapatan, Jhalawar-326023 (Raj) from 18<sup>th</sup> Feb to 19<sup>th</sup> Feb 2019.
- Participated in Workshop entitled “Hi- Tech Horticulture NAHEP- IG, ICAR, New Delhi, India” conducted at College of Horticulture & Forestry Jhalrapatan, Jhalawar-326023 (Raj) from 7<sup>th</sup> March to 8<sup>th</sup> March 2019.
- Participated in Training entitled “Hybrid Development in Citrus, their Molecular Identification and Screening against Phytophthora and Soil Salinity” conducted at Niche Area of Excellence, Dr. J.C. Bakshi Regional Research Station, Abohar (Punjab) from 18<sup>th</sup> March to 22<sup>th</sup> March 2019.
- Participated in Training entitled “Protected Cultivation of Horticultural Crops under NAHEP- IG, ICAR, New Delhi, India” conducted at College of Horticulture & Forestry Jhalrapatan, Jhalawar-326023 (Raj) from 12<sup>th</sup> December to 13<sup>th</sup> December 2019.

- Participated in Seminar entitled “Smart Horticulture UNDER NAHEP- IG- ICAR, New Delhi” conducted at College of Horticulture & Forestry Jhalrapatan, Jhalawar-326023 (Raj) from 30<sup>th</sup> Jan to 31<sup>th</sup> Jan 2020.
- Participated in Indian Horticulture Summit entitled “Mitigating Climate Change for Doubling Farmers Income through Diversification” conducted at Mahatma Gandhi Chitrakoot Gramodya Vishwavidyalaya, Chitrakoot (MP) from 14<sup>th</sup> Feb to 16<sup>th</sup> Feb 2020.
- Participated in Workshop entitled “NAHEP Component-2 Activities and Implementation of Academic Management System and Project Management System” conducted at Agriculture University, Kota from 25<sup>th</sup> Feb to 26<sup>th</sup> Feb 2020.

### **Awards/Recognitions:**

- Received “**JRF Award 2015**” from ICAR, New Delhi during the academic session 2015-2017.
- Received “**SRF Award 2017**” from ICAR, New Delhi during the academic session 2017-2020.
- Received “**Outstanding M. Sc. Thesis Award**” for contribution in the field of horticulture (Fruit Science) Society for Agriculture Innovation & Development, Ranchi during the academic session 2018.
- Received “**Best Poster Award**” from Society for Horticultural Research and Development Gaziabad, Uttar Pradesh during the academic session 2020.

### **Workshops/Seminars/Conference Organized**

- A hybrid mode value added course entitled “Value addition of horticulture crops, 28<sup>th</sup> – 5<sup>th</sup> December, 2023, Sage University, Bhopal