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AREAS OF EXPERTISE

Horticulture

Post harvest management of fruits and vegetables

EDUCATION

Ph.D. Horticulture 2009

Indian Agricultural Research Institute, New Delhi

M.Sc. Horticulture 2004

Indian Agricultural Research Institute, New Delhi

B.Sc. (Hons.) Agriculture 2001

RAJASTHAN AGRICULTURAL UNIVERSITY, BIKANER

PROFESSIONAL EXPERIENCE

Sri Karan Narendra Agriculture University, Jobner 2021 - Present

Professor

Jaipur

Sri Karan Narendra Agriculture University, Jobner 2018 - 2021

Associate Professor

Jaipur

National Council of Educational Research and Training 2009 - 2018

Assistant Professor

Bhopal

RESEARCH PROJECTS

Farmer Friendly Approach for Vegetable Cultivation under Low-cost Polyhouse Structures

Role: Principal Investigator

Year: 2023 | Amount: 99.78 Lakh

HONOURS AND AWARDS

Fellow of SHRD 2024

Awarded by: Society for Horticultural Research and Development,

Rajiv Gandhi National Fellowship 2004

Awarded by: UGC

ICAR-Junior Research Fellowship 2002

Awarded by: ICAR

PROFESSIONAL MEMBERSHIPS

Society for Horticultural Research and Development, Uttar Pradesh 2023

Life Member

Edwin Group of Journals 2023

Life Member

Indian Academy of Horticultural Sciences, New Delhi 2021

Life Member

Agri Articles 2021

Associate Editor

International Journal of Agriculture Sciences 2020

Associate Editor

COMMITTEE MEMBERSHIPS

Board of Studies, Vishvakarma Skills University, Jaipur 2024

Member

BOARD OF STUDIES (INTERDISCIPLINARY EDUCATION), NIA, JAIPUR 2021

Member

PUBLICATIONS

- 1. Thermo-Chemical Processes for Food Waste Treatment**

Tarafdar A.;Sirohi R.;Singh U.

Sustainable Technologies for Food Waste Management , Vol. (2025) , pp. 40-48

2. **Effect of planting time and variety on growth and yield attributes of tomato in semi-arid conditions of Rajasthan**

Uadal Singh; Y K Sharma; R K Bagri; A K Choudhary; A K Mahawar

Indian Journal of Arid Horticulture , Vol. 6 (2025) , pp. 73--76

3. **Optimizing yield and quality attributes of bottle gourd (*Lagenaria siceraria*) through growing methods and bio-regulators in semi-arid environment**

Pooja Devi Meena, O P Garhwal,L N Bairwa, R K Bagri,O P Meena,R N Sharma Uadal Singh

The Indian Journal of Agricultural Sciences , Vol. 95 (7) (2025) , pp. 827--832

4. **Evaluation of sponge gourd (*Luffa cylindrica*) hybrids for yieldcontributing traits**

Sharma, Aishwarya and Singh, B and Sharma, YK and Singh, Uadal and Choudhary A

CURRENT HORTICULTURE , Vol. 13 (2025) , pp. 66--70

5. **Comparative study of conventional and organic farming of coriander (*Coriandrum sativum*)-radish (*Raphanus sativus*) cropping sequence**

Singh, Uadal and Sharma, YK and Bagri, RK and Choudhary, Ashok and Bairwa, SK and Mahawar AK

CURRENT HORTICULTURE , Vol. 13 (2025) , pp. 37--41

6. **Shielding your Capsicum: Advanced techniques in crop protection and management**

Sagar Saini, Uadal Singh, Krishna Jat, Madhu Bai Meena, Surbhi Singh, Shikha Swarnkar Juhi Aswani and Mahendra Meena

International Journal of Advanced Biochemistry Research , Vol. 9 (2025) , pp. 463--473

7. **Exploring processing potential of horticultural crops in Rajasthan**

Ranjna Sirohi and Uadal Singh

(2024) , pp. 79--84

8. **Effect of Bio-fertilizers on Growth Attributes of Broccoli (*Brassica oleracea* var. *italica* L.)**

Sagar Saini, Sanjay Kumar, Shatrunjay Yadav, Krishna Jat Uadal Singh and Narendra Yadav

International Journal of Plant & Soil Science , Vol. 36 (2024) , pp. 367--372

9. **Enhancing performance and profitability of bottle gourd (*Lagenaria siceraria*) through growing methods and bio-regulators in semi-arid region**

Pooja Devi Meena,O. P. Garhwal, L.N. Bairwa, R.K. Bagri, O. P. Meena, R N Sharma Uadal Singh & R K Sharma

Indian Journal of Arid Horticulture , Vol. 6 (2024) , pp. 66--72

10. **Objective Horticulture**

Uadal Singh and V. R. Sagar

5th Edition,2023 , Vol. (2023) , pp.

11. **Response of cabbage (*Brassica Oleracea* var. *capitata* L.) to irrigation intervals and different types of mulches**

A.K. Mahawar, R.S. Meena, Y.K. Sharma Uadal Singh and S.K. Bairwa

Frontiers in Crop Improvement , Vol. 10 (2022) , pp. 3272--3276

12. **Effect of NPK and Sulphur on growth and yield attributes of cauliflower (*Brassica oleracea* var. *botrytis* L.)**

A.K. Mahawar, Y.K. Sharma, Uadal Singh S.K. Bairwa and P.K. Hatwal

Frontiers in Crop Improvement , Vol. 10 (2022) , pp. 3277--3282

13. **Antioxidant Properties and Health Benefits of Mango**
K. Prasad, S.K. Singh, Panchaal B., J. Rime, Arghya Mani, Uadal Singh Meena N.K. Meena and Pushpendra K.
 Antioxidant Properties and Health Benefits of Horticultural Crops , Vol. (2022) , pp. 1--24
14. **Floriculturist (Protected Cultivation)-Textbook for class XII**
R.K.Pathak, S.K.Balaji, K.V.R. Rao, Naved Sabir, S.N.Patil, P.M.Nimje, S. Prajapati, Uadal Singh and Vijay Agrawal
 Floriculturist (Protected Cultivation)-Textbook for class XII , Vol. (2021) , pp.
15. **Solanaceous Crop Cultivator-Textbook for class X**
R.K.Pathak, Akhilesh Tiwari, Anil Bhushan, Harshwardhan Choudhary, I.B. Maurya, , S.Chopra, S.S.Sirowa, S.,Prajaapati, Uadal Singh and Y.D.Khan
 Solanaceous Crop Cultivator-Textbook for class X , Vol. (2021) , pp.
16. **Morphological Physiological and Biochemical Response to Low Temperature Stress in Tomato (Solanum lycopersicum L.): A Review**
D. K. Yadav , Yogendra K. Meena, L. N. Bairwa, Uadal Singh, S. K. Bairwa, M. R. Choudhary A. Singh
 International Journal of Bio-resource and Stress Management , Vol. 12 (2021) , pp. 706--712
17. **Effect of soil pollution on soil microbial diversity**
Dotaniya, ML and Aparna, K and Choudhary, Jairam and Dotaniya, CK and Solanki, Praveen and Narwal, Ekta and Kumar, Kuldeep and Dautaniya, RK and Lal, Roshan and Meena BL and others
 (2020) , pp. 255--272
18. **Bio-efficacy of different insecticides against leaf hopper Empoasca kerri Pruthi (Cicadellidae: Hemiptera) in clusterbean.**
Meena, Ram Kishor and Meena, Ravindra Kumar and Singh, Uadal and Meena Manohari Lal
 (2020)
19. **Floriculturist (Open Cultivation)-Textbook for class XII**
R.K.Pathak, A.K.Tiwari, Ashutosh Mishra, S.K.Balaji, Gaurav Sharma, K.S.Verma, P.Kumar, R.L.Mishra, Narendra Vasure, Uadal Singh, V.K.Tripathi D.V.S. Raju and Y.D.Khan
 Floriculturist (Open Cultivation)-Textbook for class XII , Vol. (2020) , pp.
20. **Bio-efficacy of some insecticides against bean aphid Aphis cracivora koch (Hemiptera: Aphididae) in clusterbean**
Meena, Ram Kishor and Meena, Ravindra Kumar and Singh, Uadal and Meena, Manohari Lal and Meena Babu Lal
 Pesticide Research Journal , Vol. 32 (2020) , pp. 159--164
21. **Evaluation of insecticides against leaf hopper empoasca kerri pruthi in green gram**
Meena R.K.;Meena R.K.;Singh U.;Meena M.L.;Meena B.L.;Anokhe A.
 Indian Journal of Entomology , Vol. 82 (2020) , pp. 768-770
22. **Evaluation of Insecticides against Bihar hairy caterpillar Spilosoma obliqua Walker in Clusterbean**
Meena, Ram Kishor and Meena, Ravindra Kumar and Anokhe, Archana and Singh, Uadal and Meena, Manohari Lal and Meena, Babu Lal and Meena Manoj Kumar
 Annals of Plant Protection Sciences , Vol. 28 (2020) , pp. 25--28
23. **Effect of bio-pesticides against thrips Megalurothrips usitatus (Bagnall) in green gram**
Meena, Ram Kishor and Meena, Ravindra Kumar and Anokhe, Archana and Singh, Uadal and Meena, Manohari Lal and Meena, Babu Lal and Meena Manoj Kumar

24. **Bio-efficacy of some insecticides against bean aphid, *Aphis craccivora* Koch (Hemiptera: Aphididae) in clusterbean**
Meena R.K.;Meena R.K.;Singh U.;Meena M.L.;Meena B.L.
Pesticide Research Journal , Vol. 32 (2020) , pp. 159-164
25. **Effectiveness of some insecticides on spotted pod borer *Maruca vitrata* Geyer (Lepidoptera: Pyralidae) in greengram.**
Meena, Ram Kishor and Meena, Ravindra Kumar and Singh, Uadal and Meena Manohari Lal
International Journal of Agricultural Sciences , Vol. 16 (1) (2020) , pp. 95-100
26. **Evaluation of insecticides against Bihar hairy caterpillar *Spilosoma obliqua* Walker in clusterbean.**
Kishor, Meena Ram and Kumar, Meena Ravindra and Archana, Anokhe and Uadal, Singh and Lal, Meena Manohari and Lal, Meena Babu and Kumar Meena Manoj
(2020)
27. **Organic farming: An option for food quality and environmental benefits**
Nanda, G., Singh, D. K., Meena, B. L. and Singh, U.
Sustainable Agriculture , Vol. (2019) , pp. 382-390
28. **Gardener-Textbook for class XI**
R.K.Pathak, Ajit Kumar, Ashutosh Mishra, Gaurav Sharma, P.Kumar, P.M.Nimje, R.L.Mishra, S. Prajapati, Uadal Singh, V.S. Raju Danturluri, V.K.Tripathi and Y.D.Khan
Gardener-Textbook for class XI , Vol. (2019) , pp.
29. **Efficacy of insecticides on Bean aphid *Aphis craccivora* Koch in Green gram**
Meena, Ram Kishor and Meena, Ravindra K and Singh, Uadal and Meena, Manohari L and Kumar Sarwan
Annals of Plant Protection Sciences , Vol. 27 (2019) , pp. 342--345
30. **Gliricidia-A Potential Crop of Agricultural Crop Production**
Meena, Babu and Dotaniya, C.K. and Singh Uadal
Indian Farmers Digest , Vol. 52 (2019) , pp. 42--44
31. **Solanaceous Crop Cultivator-Textbook for class IX.**
Uadal Singh, Akhilesh Tiwari, Anil Bhushan, Harshwardhan Choudhary, I.B. Maurya, R.K.Pathak, S.Chopra, S.S.Sirowa S. Prajapati and Y.D.Khan
Solanaceous Crop Cultivator-Textbook for class IX. , Vol. (2018) , pp.
32. **Ethylene Synthesis Inhibitors as Technique for Increasing Shelf Life and Quality of Fruits and Vegetables**
Neha, Pallavi and Prasad, K. and Singh Uadal
Agriculture for Sustainable Development , Vol. 5 (2017) , pp. 6--10
33. **Empowerment of tribal women through skill development in medicinal plant cultivation**
Singh, Uadal and Pathak, R.K. and Prajapati Sunil
Indian Journal of Vocational Education , Vol. 23 (2017) , pp. 75--81
34. **EFFECT OF PACKAGING & STORAGE ON THE NUTRITIONAL QUALITIES OF DEHYDRATED BITTER GOURD (*Momordica charantia* L.) RINGS**
SINGH, UADAL and SAGAR VR
Agriculture for Sustainable Development , Vol. 3 (2016) , pp. 112--116

35. **Effect of packaging & storage on the nutritional qualities of dehydrated bitter gourd (Momordica charantia L.) rings**
Singh, Uadal and Sagar V.R.
 Agriculture for Sustainable Development , Vol. 4 (2016) , pp. 112--116
36. **ROOTSTOCK MEDIATED EFFECT ON FRUIT RIPENING BEHAVIOUR AND PHYTOCHEMICAL COMPOSITION: AN OVERVIEW**
 (2016)
37. **Effects of Growing Media on Germination and Plant Survival of Okra [Abelmoschus Esculentus (L.) Moench] Cv. Arka Anamika**
Meena, S.K and Dwivedi, Deepa H. and Singh Uadal
 Agriculture for Sustainable Development , Vol. 3 (2015) , pp. 87--90
38. **Effect of Drying Methods on Nutritional Composition of Dehydrated Bitter Gourd (Momordica Charantia L) Rings**
Singh, Uadal and Sagar VR
 Agriculture for Sustainable Development , Vol. 1 (2013) , pp. 83--86
39. **Glimpses of Post-Harvest Technology**
Meena Uadal Singh and Suresh Kumar P
 (2013)
40. **Effect of pre-treatments on the quality of dehydrated leafy vegetables rich in vitamin A**
SINGH, UADAYL and SAGAR, VR and KUMAR P SURESH and others
 The Indian Journal of Agricultural Sciences , Vol. 76 (2011)
41. **Influence of slice thickness on the quality of dehydrated bitter gourd rings**
Singh U.;Sagar V.R.;Asrey R.
 Indian Journal of Horticulture , Vol. 68 (2011) , pp. 283-285
42. **Quality characteristics of dehydrated leafy vegetables influenced by packaging materials and storage temperature**
Singh U.;Sagar V.R.
 Journal of Scientific and Industrial Research , Vol. 69 (2010) , pp. 785-789
43. **Effect of Harvest Maturity on the Quality of Dehydrated Bitter Gourd Rings**
Singh, Uadal and Sagar, VR and Behera TK
 Pusa AgriScience , Vol. 33 (2010) , pp. 65--68
44. **Studies on the enrichment of natural colour of Langra mango pulp**
Phong, N.V. and Sagar, V.R. and Singh Uadal
 Pusa AgriScience , Vol. 32 (2009) , pp. 33--36
45. **Influence of packaging and storage temperature on the quality of dehydrated selected leafy vegetables**
Singh, Uadal and Sagar VR
 JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE , Vol. 45 (2008) , pp. 450--453
46. **EFFECT OF HARVEST MATURITY AND DRYING METHODS ON THE QUALITY OF DEHYDRATED BITTER GOURD (Momordica charantia L.) RINGS**
UADAL SINGH
 (2008)
47. **Effect of ripening stages on osmo-dehydrated guava slices.**

48. Effect of ripening stages on osmo-dehydrated guava slices

Suresh Kumar P.;Sagar V.R.;Singh U.

Journal of Food Science and Technology , Vol. 45 (2008) , pp. 546-548

49. Effect of tray load on drying kinetics of mango guava and aonla

Kumar, P Suresh and Sagar, VR and Singh Uadal

Journal of Scientific and Industrial Research , Vol. 65 (2006) , pp. 659

50. Effect of tray load on drying kinetics of mango, guava and aonla

Kumar P.S.;Sagar V.R.;Singh U.

Journal of Scientific and Industrial Research , Vol. 65 (2006) , pp. 659-664

51. Effect of pre-treatments on the quality of dehydrated leafy vegetables rich in vitamin A

Singh U.;Sagar V.R.;Sureshkumar P.

Indian Journal of Agricultural Sciences , Vol. 76 (2006) , pp. 367-369

52. Effect of drying conditions on the quality of dehydrated selected leafy vegetables

Singh U.;Sagar V.R.;Behera T.K.;Suresh Kumar P.

Journal of Food Science and Technology , Vol. 43 (2006) , pp. 579-582