

DR. UADAL SINGH

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Educational Qualification

Educational status	Year	Institution
Sr. Secondary	1997	Board of Secondary Education Rajasthan, Ajmer
B. Sc (Agriculture)	2001	Rajasthan Agricultural University, Bikaner, India
M.Sc (Horticulture) Postharvest Technology	2004	Indian Agricultural Research Institute, New Delhi, India
Ph.D. (Horticulture) Postharvest Technology	2009	Indian Agricultural Research Institute, New Delhi, India
NET - Horticulture (Vegetable science)	2006	Agricultural Scientists Recruitment Board (ICAR), New Delhi

Master's Dissertation

Worked as Research Scholar in the project “**Effect of dehydration, packing and storage on quality of leafy vegetables rich in vitamin A.**” as part of my master’s thesis under the indefatigable guidance of Dr. V.R.Sagar, Senior

Scientist, Division of Post Harvest Technology, Indian Agricultural Research Institute, New Delhi-110012.

PhD's Dissertation

Working as Research Scholar in the project, titled “**Effect of harvest maturity and drying methods on the quality of dehydrated bitter gourd (*Momordica charantia* L) rings.**” as part of my doctoral programme under the enthusiastic guidance of Dr. V.R. Sagar, Principal Scientist, Indian Agricultural Research Institute, New Delhi.

Trainings undergone

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- 1999 : Rural Agricultural Work Experience (RAWE) for 45 Days at Krishi Vigyan Kendra (KVK) Sawai Madhopur (Rajasthan) and had a first hand experience from the farmers of surrounding villages.
- 2002- 08 : Participated in many winter school, covering various topics in horticulture, conducted by Discipline of Horticulture, Indian Agricultural Research Institute, New Delhi.

Knowledge in Economics

One year coarse work in Agricultural Economics as a M.Sc. student in Agricultural Economics from S.K.N. Collage of Agriculture, JOBNER (Raj.), Rajasthan Agricultural University, Bikaner during the year 2002-2003.

Knowledge in technical skills

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- Extending the shelf life of the horticulture produce through Controlled Atmospheric (CA) storage and Modified Atmospheric Storage (MAP).
 - Knowledge on minimal processing of horticulture produce.
 - Knowledge on drying and dehydration of horticultural products.
 - Working knowledge on GC and HPLC.

- Knowledge on making products like jam, jelly, squash and other juices from horticulture commodities.

Awards and Honours

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- Secured second rank in the PhD Entrance Examination Test, 2004, conducted by Indian Agricultural Research institute (IARI), New Delhi, and was awarded **Institute fellowship** for 8 months after that selected for Rajiv Gandhi National Fellowship (By UGC) for doing my doctorate program in Horticulture with specialization in **post harvest technology** at Indian Agricultural Research institute (IARI), New Delhi.
 - Secured top most rank (in ST Category) in All India Combined Entrance Examination, 2002, conducted by Indian Council of Agricultural Research, New Delhi, and was awarded **ICAR-Junior Research Fellowship** for my master's degree program in Horticulture.

Publications

Research Papers (Published)

- Uadal Singh; V.R. Sagar and Ram Asrey** 2011. Influence of slice thickness on the quality of dehydrated bitter gourd rings. *Indian Journal of Horticulture*, 68(2): 283-285
- Uadal Singh; Sagar, V.R. and Behera, T.K.** (2010). Effect of Harvest Maturity on the Quality of Dehydrated Bitter Gourd Rings. *Pusa AgriScience*, **33**: 65-68.
- Uadal Singh and Sagar, V.R.** (2010). Quality characteristics of dehydrated leafy vegetables influenced by packaging materials and storage temperature. *Journal of Scientific and Industrial Research*, **69** (10): 785-789
- Uadal Singh and Sagar, V.R.** (2008). Influence of packaging and storage temperature on the quality of dehydrated selected leafy vegetables. *Journal of Food Science and Technology*, **45** (5): 250-253. (
- Uadal Singh, Sagar, V.R. Behera, T.K. and Suresh Kumar, P.** (2006). Effect of drying conditions on quality of dehydrated selected leafy vegetables. *Journal of Food Science and Technology*, **43** (6): 579-582

Uadal Singh, Sagar, V.R. and Suresh Kumar, P. (2006). Effect of Pre-Treatments on the Quality of Dehydrated Leafy Vegetables Rich in Vitamin A. *Indian Journal of Agricultural sciences*, **76**(6):367-369.

Suresh Kumar P.; Sagar, V.R. and **Uadal Singh** (2008). Effect of ripening stages on osmo-dehydrated guava slices. *Journal of Food Science and Technology*, **45** (6): 546-548.

Suresh Kumar P.; Sagar, V.R. and **Uadal Singh** (2006). Effect of Tray Load on Drying Kinetics of mango, guava and *aonla*. *Journal of Scientific & Industrial Research*, **65**:659-664

Popular Articles (Published)

V.R. Sagar, P. Suresh Kumar and **Uadal Singh** (2008). Antioxidants – Elixir for human health. *Beverage and Food World*. **35**(7): 52-54

Books:

Uadal Singh (Meena) and Suresh Kumar P. (2005). Glimpses of Post Harvest Technology. New Vishal Publication, New Delhi-110008

Uadal Singh and V.R.Sagar (2008). *OBJECTIVE HORTICULTURE*. New Vishal Publication, New Delhi-110008

Extension publication:

A poster titled “Effect of dehydration on quality of leafy vegetables rich in vitamin A” prepared by **Uadal Singh**, Sagar V.R. and Suresh Kumar. P has been presented at the National Symposium on “Plant Pathogens Diversity in Relation to Plant Health” held on 16–18 January, 2003 in Osmania University. Poster had been placed in the best posters category.

Computer Skills

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- **Operating systems:** MS - WINDOWS 98, 2000, XP, Vista and windows 7
 - **Packages:** MS-OFFICE 98, 2000 and XP (WORD, EXCEL and POWERPOINT), and ADOBE PHOTOSHOP 6.0.

Personal profile

Father's Name	: Shri Man Singh
Date of Birth	: 21 st January, 1977
Place of Birth	: Bharatpur (Rajasthan)

Nationality : Indian
Languages Known : English and Hindi
Marital Status : Married

Work done as ASSISTANT PROFESSOR (Horticulture) since 2009 to present

- 1. Research and Development 01**
(Work centered education)
- 2. Development work (Curricula, Instructional Material etc.)**
 - as Coordinator 01
 - as Resource person/Team member 02
- 3. Extension Work**
(Sensitization/Orientation Programme)
 - as Programme Coordinator 03
 - as Resource person/Team member 06
- 4. Training**
(Teachers Training Programme)
 - as Coordinator 03
 - as resource person/Team members 02