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Curriculum Vitae

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Research Interests

My research interests are focused in the areas of Agriculture Research. I am seeking to learn that a challenging position in field of Agricultural biochemistry and quality crop production that would entail building and developing multi-skilled workforce which enable the company to develop its capabilities to compete in today's global challenges. Which remove the physical and biological constraints on food production and to assume greater production stability in geographical area with serious environmental and biological limitations.

ACADEMIC CREDENTIALS

- Doctorate in Agriculture specialization in Plant Biochemistry from College of Agriculture, Narendra Dev University of Agriculture and Technology, Kumarganj in 2015. Scored 78.22%.
- Masters of Agricultural Science in Agricultural Biochemistry from Narendra Dev University of Agriculture and Technology, Kumarganj in 2008. Scored 75.65%.
- Bachelor of Science in Science from M.L.K.(PG) College, Balrampur, Dr. R.M.L.A. University, Faizabad in 2001. Scored 58.40%.
- Intermediate from Ram Janki Inter College, Rupaidiha, Bahraich, (271881), UP Board in 1997. Scored 60.0% marks.
- High School from Nehru Smarak Inter College Rupaidiha, Bahraich, (271881), UP Board in 1995. Scored 69.1% marks.

THESIS RESEARCH WORK

- Ph.D Thesis Title:- "Biochemical changes of rice (*Oryza sativa* L.) genotypes during different storage intervals".

Derivable key of the Ph.D Research :

- Managing the overall functioning of processes, identifying improvement areas and implementing adequate measures to maximize accuracy of experiments and results.
- Handled the important equipment which are used in measure grain quality, seed quality understand the different factors that affect grain and seed during different storage intervals.
- Analyze biochemical parameters changes and enzymatic activity of rice grain during storage at different intervals.

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Evaluation of the different aromatic and non aromatic rice grain quality during different storage intervals that may have acquired properties like chemical and physical characteristics.

- ❖ Gelatinization temperature the time required for cooking is determined by gelatinization temperature. Environmental conditions, such as temperature during ripening, influence gelatinization temperature.
- ❖ apparent amylase content. The amylose content of starches usually ranges from 15 to 30%. High amylose content rice shows high volume expansion (not necessarily elongation) and high degree of flakiness.
- ❖ Gel consistency gel consistency measures the tendency of the cooked rice to harden on cooling. Gel consistency is determined by heating a small quantity of rice in a dilute alkali.
- ❖ Alkali spreading value the extent of alkali spreading and clearing of milled rice soaked in 1.7% KOH at room temperature or at 39°C for 23 hours and
- ❖ Aroma Fat acidity of rice increased during storage and was inversely correlated with 2-AP content at an early stage of storage. Different storage material moderately affected preservation of 2-AP. The effects of storage on the flavour of under milled and well milled rice were determined by a descriptive panel
- ❖ Shape, size, color of grain, chalkiness, moisture content, grain purity, physical and pest damage, cracked grains, presence of immature grains
- ❖ Milling-related characteristics milling and head rice recoveries, grain dimensions, whiteness, milling degree and chalkiness will likewise be included.

□ M.Sc.(Ag) Thesis Title: - Biochemical evaluation of round as well as long varieties of brinjal (*Solanum melongena* L.) fruits.

Derivable key of the M.Sc (Ag) Research

- Managing the overall functioning of processes, identifying improvement areas and implementing adequate measures to maximize accuracy of experiments and results.
- Handled the important equipment which are used to analyse the quality of the brinjal fruits
- Evaluation of nutritional value of brinjal fruits of different varieties.

PROFESSIONAL SYNOPSIS

- A competent professional with 08 years of experience in Agricultural Research, Teaching, Agricultural Extension, with target oriented approach.
- Presently I am working as Assistant Professor, Department of Agriculture Science, Nanadani Nagar Educational Institute, Nawabganj, Gonda, U.P
- One years Experience as Assistant Professor, Department of Agriculture Science and Additional Charge as Head of Department of Agriculture Science at AISECT University, Bhopal since November, 2016.
- Two years Experience as Young Professional-II at National Research Centre on Litchi, Mushahari Farm, Mushahari, Muzaffarpur, Bihar-842002, India in Crop Production Division.
- One year Experience as Project coordinator at Integrated Research and action for Development (IRADe, NGO), New Delhi, India (project entitled "Analysis of factors affecting Agricultural productivity in the flood Plains of Eastern Uttar Pradesh to synergize SDIT investment in the region".).

