

Ms. GURSIMRAN KAUR

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### **Objective**

My primary goal is to secure a challenging position where I can utilize my educational expertise gained in the field of Agriculture by teaching.

### **Area of Interest**

Agronomy, Crop production, Soil Science, Sustainable Agriculture, Conservation Agriculture, Dryland Agriculture.

### **Practical exposure during graduation and post graduation**

- Rural Agricultural work experience
- Hands on training in stress mitigation in plants at Department of Botany, College of Basic Sciences and Humanities, Punjab Agricultural University, Ludhiana, Punjab, India-141004

### **Personal Skills**

- Dedication to work
- Honest, Disciplined, Sincere

#### **Technical skills and knowledge**

- **Soil science:** Soil sampling and testing, estimation of soil physical, biological and chemical properties.
- **Laboratory and instruments:** Chemical reagents, basic lab apparatus, instruments used in soil and plant testing like Kjeldhal apparatus, pH and EC meter, Atomic Absorption Spectrophotometer, Spectrophotometer, Flame photometer various other instruments related to soil and plant studies.
- **Biochemistry:** Estimation of parameters Anthocyanin, Beta carotene, Total sugars, Reducing sugars and Total Phenols
- **Statistics:** Experimental designs, sampling and descriptive statistics, CPCS software.
- **Computer skills:** MS office- Word, Excel, Power Point.
- **Experience:** 6 months teaching in school

### **ACADEMIC TRANSCRIPT**

- Punjab Agricultural University, Ludhiana, Punjab  
M.Sc. (Soil Science)

**OCPA: 7.05 on a scale of 10, Remarks: Passed with 1<sup>st</sup> Division**

- Bhai Gurdas Degree College, Sangrur, Punjab

B.Sc. Agriculture (Hons.)

**Percentage: 8.05, Remarks: Passed with 1<sup>st</sup> Division**

• **Girls Govt. Sen. Sec. School, Sangrur, Punjab**

Senior secondary

**Percentage: 70%, Grade: A**

• **St. Mary's Public School, Sangrur, Punjab**

Matriculation

**Percentage: 84%, Grade: A**

### **RESEARCH EXPERTISE Publications**

**Thesis: EFFECT OF VERMICOMPOST PREPARED FROM DIFFERENT MATERIALS ON THE GROWTH AND YIELD OF BLACK CARROT (*Daucus carota* L.)**

**Objectives of the research:**

- To prepare vermicompost using different crop residues, cow dung, biogas slurry and their combinations.
- Testing the physical, chemical and microbiological properties of prepared vermicompost and soil.
- To study the effect of prepared vermicompost on yield and juice quality of black carrot.

### **Publications**

Kaur G, Rani N and Bal K K (2024) Comparative analysis of vermicompost quality produced from different organic materials. *Env Sci Arch* 3 (2): 83-96.

Kaur, G., Rani, N., Thakur M (2024) Impact of Vermicompost Formulations on Black Carrot Yield, Quality, and Soil Fertility. *Journal of Soil, Plant and Environment*. 3(2): 15-36.

### **PERSONAL DETAILS**

**Father's Name:** Mr. Jagpal Singh

**Mother's Name:** Mrs. Rani

**Date of Birth:** 22/10/1999

**Gender:** Female

**Strengths:** Patience, Positive attitude, Discipline

**Languages Known:** English, Punjabi, Hindi

### **REFEREES**

**Dr Neeraj Rani**

Soil Chemist

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**Dr S S Walia**

Director-cum-Principal Agronomist

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**Declaration**

I believe in taking responsibilities, utilize every second and building relationships. I am an amicable person to work within a group. I have a good learning ability, can understand the facts and situations very comprehensively. Moreover, I am highly motivated to work independently and in team also.