

Curriculum Vitae

Sakshi Goyat

B.Sc (Hons.) Agriculture

College of Agriculture, Hisar

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CAREER OBJECTIVE

To accomplish a research-rooted master's programme with an assistantship in the field of Soil science, where I can gain experience and strengthen my skills. In the future, I see myself as a scientist working in the area of Sustainable Agriculture.

AREA OF INTEREST

Soil Science, Soil fertility and Nutrient management, Soil organic matter dynamics, Soil Biogeochemistry, Crop production, Conservation Agriculture

EDUCATION

2023 **Chaudhary Charan Singh Haryana Agricultural University, Hisar**

(Expected) B.Sc. (Hons.) Agriculture

Secured: 7.24/10 OGPA (Till 6th semester)

2018 **SD Public School, Narwana**

Higher Secondary, Central Board of Secondary Education (CBSE)

Secured: 87.20% in Science Stream

2016 **St. Mary's Convent School, Narwana**

Secondary, Indian Certificate for Secondary Education (ICSE)

Secured: 90.80%

STANDARDIZED TESTS

GRE- 311/340 (Verbal- 151/170 & Quants- 160/170 AWA-3/6)

IELTS - Result Awaited

PROJECTS

- **Soil Nutrient Analysis and management of soil nutrients in wheat and mustard cropping fields.**
Determination of different physical, chemical and biological properties of soil.
- **Agronomic Research for Sustainable Crop Production and Weed Management.**
Includes agronomical practices, Soil nutrient management, Irrigation water management, weed management, fertilizer dosage, and harvesting of cotton, wheat and groundnut crops
- **Cultivation of Wheat in Rabi Season.**
Includes agronomical practices, weed management, fertilizer dosage, pest management, and harvesting.

TECHNICAL SKILLS AND KNOWLEDGE

- Learned about Soil, Water and Plant sampling techniques, their processing and handling.
- Analysis of soil and plant samples for N, P, K, and different micronutrients
- Estimation of soil moisture, bulk density, particle density and porosity.

- Determination of pH, Electrical conductivity and SAR of soil and water samples.
- Estimation of heavy metal content in effluents and contaminated soils
- Preparation of serial soil dilution, microbiological media, and sterilization.
- Determination of Soil Microbial Population, their biomass and decomposition studies
- Determination of Organic Carbon from Soil
- Enumeration of soil bacteria, fungi and actinomycetes
- Determination of cations and anions in groundwater and soil samples
- Estimation and measurement of crop water requirement

PRACTICAL EXPERIENCE

- Rural Agricultural Work Experience (RAWEX) at village LUDAS, Hisar, Haryana
- Underwent practical training during V and VI semesters on one acre of land at University Student's Farm, for successfully raising crops. Through this program, I have learned how to adopt the recommended package and practices for different season crops and face the vexing problems faced by Indian farmers.
- Work experience with various Extension Organizations (Krishi Vigyan Kendra) and actively engaged in the dissemination of new technologies from the research labs to the farmers' fields.
- Experimental Learning Program on biofertilizer and compost making

TRAININGS

- **“Hands-on Training Workshop on Assessment Methods for Soil Carbon and Greenhouse Gas Emission in Agriculture”** organized under ICAR NAHEP-CAAST-SNRM project at Punjab Agricultural University from 12-19 February, 2020
- **Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System”** conducted by Indian Institute of Remote Sensing (IIRS), during 17-08- 2020 to 20-11-2020.(Online Mode)
- **“Remote Sensing and Digital Image Analysis”** conducted by Indian Institute of Remote Sensing (IIRS) during 16-08-2021 to 10-09-2021(Online Mode).
- **“Agricultural Research Methodologies”** One Week Refresher course held during 24-30 January, 2022 by Narayana Institute of Agricultural Sciences.
- **“Whole Genome Sequencing Data Analysis”** conducted by Biodeavour Research Lab from 24-28 March, 2022

ADDITIONAL SKILLS

- Well acquainted with various instruments used in soil labs like Atomic Absorption Spectrophotometer, Kjeldahl Automatic Nitrogen Analyser, Flame Photometer, Conductivity meter, pH meter etc.
- Good knowledge of different statistical tools, and analysis of agricultural data
- Basic knowledge of PYTHON Language
- Well versed in computer skills like MS Office - PowerPoint, Microsoft Word, and Excel.
- Good presentation and communication skills.
- Always ardent to take initiative and work in a planned manner to actualize the defined targets.
- Excellent teamspirit to fit with any professional team and make contribution teamwork.
- Honest and Disciplined

RELEVANT COURSES

- Introductory Soil Science SOILS101
- Agricultural Microbiology MICRO 102
- Soil and water conservation Engineering SWE 101
- Crop Improvement GP301
- Fundamentals of Statistical methods STAT102
- Problematic Soils and their management SOILS301
- Farming system and sustainable agriculture AGRON 204
- Soil fertility and nutrient management SOILS 202
- organic farming AGRON 304
- Principles of Agronomy AGRON 102
- Geoinformatics and Precision Farming ARGON 303

EXTRACURRICULAR ACTIVITIES

- Successfully completed 2 years of National Service scheme (NSS) 2018-2019, 2020-2021 and attended an annual camp of 7 days organized by CCSHAU, Hisar, Haryana.
- Participated in various quiz and science exhibitions.
- Volunteer, farmer fair CCSHAU
- Attended Seminars on a wide range of topics related to Agriculture, Biotechnology, Global Agriculture scenario, Human Development and Personality Development
- Social worker and worked on important programs e.g. Polio eradication and Blood donation Programs.

CONFERENCES, WORKSHOP AND SYMPOSIUMS

- Attended the International Conference on “**Global Initiatives in Agricultural, Forestry, and Applied Sciences**” organized by the Agricultural & Environmental Technology Developmental Society, Uttarakhand, India during October 17–18, 2021.
- Presented an abstract on "Sustainable Agriculture and Resource Management: Prospects and Challenges" at the International Conference on “**Recent Trends in Smart & Sustainable Agriculture for Food Security organized**” by Lovely Professional University, Phagwara, Punjab, on January 21- 22, 2022.
- Attended the National E-Conference on “**Mathematical Sciences for Applied and Agricultural Research**” by CCS Haryana Agricultural University, Haryana, India on February 22, 2022.
- Attended a National E-Workshop on “**Sustainable Utilization of Agricultural Resources**” conducted by the School of Agricultural Studies, Quantum University, Roorke, India, held March 11–13, 2022.
- Attended Webinar on “**Harvesting of Weed Seeds: A Novel Preventive Way of Weed Management**” organized by Plant Breeding Institute, University of Sydney, Australia on 28 September 2021.

REFEREES

Dr Sushil Kumar Singh Assistant Scientist Department of Agronomy College of Agriculture CCS Haryana Agricultural University, Hisar Email: drksagro@gmail.com Mb: (+91)9027708711	Dr Surender Singh Principal Scientist Department of Agrometeorology (CCS HAU, Hisar) & Expert Member, Switzerland-based World Meteorological Organization (WMO) Email: surendersd@hau.ac.in Mb: (+91)9416092462	Dr Dinesh Tomar Junior Pedologist Department of Soil Science College of Agriculture CCS Haryana Agricultural University, Hisar E-mail: dineshtomar@hau.ac.in Mb: (+91)9416397923
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