

PENUMARTHI POOJITHA NAGAVALLI

Date of birth: 01/05/1996 | **Nationality:** Indian | **Gender:** Female | **Phone number:** (+91) 9634784127 (Mobile)
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Address: Flat No - G1 Veerabhadra Appartements, Syamala Nagar, 533103, Rajahmundry, India (Home)

● ABOUT ME

"Driven by Research on sustainable agriculture, I design innovative farming models that enhance crop diversity and climate resilience. Skilled in project management and data analysis, I focus on advancing impactful, sustainable solutions."

● WORK EXPERIENCE

25/08/2024 – CURRENT Rajahmundry, India
YOUNG PROFESSIONAL ICAR - NIRCA

- Diversification, Value addition, Marketing strategies, including branding, packaging, and advertising.
- Formulation of new products and Responsible in getting FSSAI licenses.
- Develop and innovate new products utilizing turmeric and ashwagandha, such as supplements, cosmetics, or functional foods.
- Implement quality control measures to ensure product purity, potency, and safety.
- Ensure compliance with relevant regulations and industry standards.

05/03/2023 – 22/08/2024 Rayalaseema , India
PROGRAM OFFICER WATERSHEDS SUPPORT SERVICES AND ACTIVITIES NETWORK

- Conducted research on traditional seed systems, natural farming, organic agriculture, and biodiversity conservation.
- Ensured the integration of research outcomes into practical applications to boost agricultural productivity and sustainability.
- Led two CSR projects in Satya Sai District, Rayalaseema, and North Karnataka, focused on sustainable agriculture and community engagement.
- Promoted climate-resilient crop varieties through plant breeding and diversity trials.
- Collaborated with farmers and communities to implement natural farming practices and enhance soil health management.
- Performed soil nutrient analysis to develop sustainable crop models tailored to local conditions.

● PROJECTS

05/03/2023 – 22/08/2024
FOLU India Sustainable Rainfed Agriculture Programme (FISRAP) - FCRA Project

Played a key role in developing a state-level strategic action plan for Satya Sai District, promoting sustainable and regenerative agriculture in rainfed regions.
Conducted research on adaptive farming models, analyzed rainfall variability impacts on crop yields, and designed frameworks for climate-resilient agriculture.
Engaged with stakeholders, including government bodies, farmers, and organizations, to drive policy adoption and implement sustainable agricultural practices.
Managed budgets and resource allocation, ensuring efficient execution of project interventions and maximizing impact.

Contributed to community nutrition and women's empowerment through capacity-building initiatives, sustainable livelihoods, and integrated land, water, and soil management strategies.

Links <https://www.facebook.com/watch/?v=7855182067873000&ref=sharing> | <https://www.foodandlandusecoalition.org/country/india/>

05/03/2023 – 22/08/2024

Consumption of Resilient Orphan Crops & Products for Healthier Diets (CROPS4HD) - International collaborative project

- Led project implementation in Ranebennur District, North Karnataka, promoting food security and nutrition through the conservation and utilization of neglected and underutilized species (NUS).
- Established diversity blocks with farmers and organized participatory varietal selections to identify and promote high-performing traditional crop varieties.
- Improved household dietary diversity by increasing NUS consumption and facilitated market access by addressing barriers, boosting NUS availability and trade volume.
- Strengthened farmers' seed systems by enhancing access to NUS seeds and promoting agroecological farming practices for sustainable cultivation.
- Engaged with stakeholders, including farmers, policymakers, and organizations, to drive policy support, improve cultivation techniques, and protect farmers' rights to seed propagation and exchange.

Link <https://crops4hd.org/>

25/08/2024 – CURRENT

Product Diversification and Value Addition of Turmeric, Ashwagandha and Chilli (ICAR - NIRCA)

- Leading value addition and diversification initiatives for turmeric, ashwagandha, and chilli under ICAR-NIRCA, focusing on innovative and sustainable product development.
- Working on quality testing, including oil extraction processes, HPLC analysis, and other advanced laboratory assessments to ensure product efficacy and standardization.
- Developing sustainable product formulations by integrating traditional knowledge with modern processing techniques to enhance market potential.
- Exploring new technologies for product innovation, improving processing methods, and commercialization opportunities.
- Designing marketing strategies to promote value-added agricultural products, ensuring wider adoption and economic viability for farmers and entrepreneurs.

Link <https://nirca.icar.gov.in/imgclips.php>

● **EDUCATION AND TRAINING**

16/12/2024 – 20/12/2024 Gujarat, India

5-DAY HANDS-ON ENTREPRENEURIAL TRAINING ON SETTING UP HERBAL EXTRACTION BUSINESS Medi-Hub, Technology Business Incubator (TBI), ICAR-DMAPR

Website <https://dmapr.icar.gov.in/>

Online, India

AGRICULTURE 4.0: THE FUTURE OF FARMING TECHNOLOGY & AGRIPRENEURSHIP DEVELOPMENT - TRAINING Just Agriculture

Website <https://www.justagriculture.in/>

26/09/2020 – 20/10/2022 Prayagraj, India

M.SC. (AG) HORTICULTURE FRUIT SCIENCE San Higginbottom University of Agriculture Science and Technology

Website <https://shuats.edu.in/>

Dehradun, India

NURSERY MANAGEMENT - TRAINING Center for Business and Entrepreneurial Development (CBED)

Website <https://www.cbed.in/>

10/08/2016 – 10/08/2020 Dehradun

B.SC. (HONS) HORTICULTURE Hemavati Nandan Bahuguna Garwal University

Website <https://www.hnbggu.ac.in/home>

● PUBLICATIONS

2024

Exploring the Strange world of Strawberry: from their Origins to the Art of Cultivation and Propagation

African Journal of Biological Sciences

2022

Effect of Seed Treatment on Germination and Seedling Growth in Different Growing Media of Papaya (CARICAPAPAYA) cv. Pusa Delicious under Prayagraj Agro Climatic Conditions.

International Journal of Research and Analytical Reviews

2022

Influence of Organic and Inorganic Sources of Nutrition on Growth, Yield and Quality of Strawberry (Fragaria x ananassa Duch) cv. Sweet Charlie

Internal Journal of Environment and Climate Change

2023

Chapter -17 Quality Fruit Production under Protected Cultivation

In book: Wonders of Fruit Science, Publisher: Rubicon Publications





2023

Effect of Nutrient Management on Growth, Yield, and Quality of Strawberry in Open Field Condition, and Study of Packaging Materials and Shelf Life of Strawberry after Harvesting

International Journal of Plant & Soil Science

● DIGITAL SKILLS

Digital Skills - Test Results

 Information and data literacy	ADVANCED Level 6 / 6
 Communication and collaboration	ADVANCED Level 6 / 6
 Digital content creation	ADVANCED Level 6 / 6
 Safety	ADVANCED Level 6 / 6
 Problem solving	ADVANCED Level 5 / 6

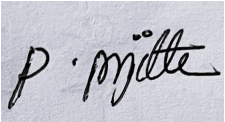
● **LANGUAGE SKILLS**

Mother tongue(s): **TELUGU**
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
HINDI	B2	B1	C1	C1	B1
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

"Dedicated to excellence and continuous improvement, I aim to apply my skills to drive impactful and positive outcomes in all my endeavors."



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