


ICAR-Central Institute for Women in Agriculture, Bhubaneswar

Title	Brief description	Photographs
Gender Responsive Integrated Homestead Aqua-horticulture (GRIHA)	<p>Gender-responsive and climate-resilient homestead aquaculture and horticulture practices were introduced and assessed through community mobilization, capacity building, and participatory action research in 58 rural households across five villages in the two flood-prone districts (Puri and Bhadrak) of Odisha state of India. The initiative aimed to empower women to make effective use of available homestead and community resources, and to work collectively in adopting strategies that mitigate climate shocks. As a result, fish yields from homestead ponds increased by nearly 95% ($3.22 \text{ t ha}^{-1}\text{yr}^{-1}$), generating a net income of ₹1.57 lakh $\text{ha}^{-1} \text{ yr}^{-1}$. Per-household fish availability increased from 15.2 kg to 45 kg per annum. Nutrigarden integrated with homestead ponds could make available 230 g of vegetables per person per day, and generating around ₹12,000 annually from surplus sales. Paddy straw mushroom cultivation emerged as a profitable alternate livelihood, enabling women farmers to earn about ₹460 per day. The active involvement of women in adopting and implementing these climate-resilient, gender-responsive practices-at both household and community levels-led to improved household income, enhanced nutrition, and strengthened women's capabilities, participation, and decision-making in farm, family, and community affairs.</p>	 <p>The photograph shows a woman wearing a bright blue sari, bent over and tending to a dense patch of green leafy vegetables in a garden. To her left is a calm pond reflecting the surrounding trees. The background features a line of trees and a clear sky, suggesting a rural homestead setting.</p>