



# Value addition of pearl millet by developing egg less cake

Madhū Goyal, Ruma Saha and S.K. Sharma

**Deptt. of Food and Nutrition, College of Home Science,  
RAU, Bikaner.**

**“Development and quality evaluation of value added  
products based on pearl millet grown under  
conventional and organic production system”.**

**Sponsored by Directorate of Agri. GOR. Jaipur.**

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# Introduction

- Pearl millet is the most drought tolerant and heat tolerant crop, grown on about 9-10 million hac.
- Ranking third for the large acreage in India.

➤ It is considered as “Nutri Cereal”.

- Contains good amounts of protein(7.02-13.67%)
- The amino acid profile of pearl millet is better than that of sorghum, maize and is comparable to wheat, barley and rice.
- Higher level of iron and zinc.
- High content of insoluble dietary fiber.

➤ Provide Food and Nutritional security

# PRESENT STATUS

- Consumed in traditional form eg. Chapati and Khichda.
- Bears great potential of value addition.

Nutritional  
Superior

**Pearl millet**

Confined  
used

Poor Shelf life

Non availability  
in ready to eat  
form

**Solution**

Heat process  
eg. Blanching,  
Drying etc.

Value addition eg.  
Bakery products.

# Method and Materials

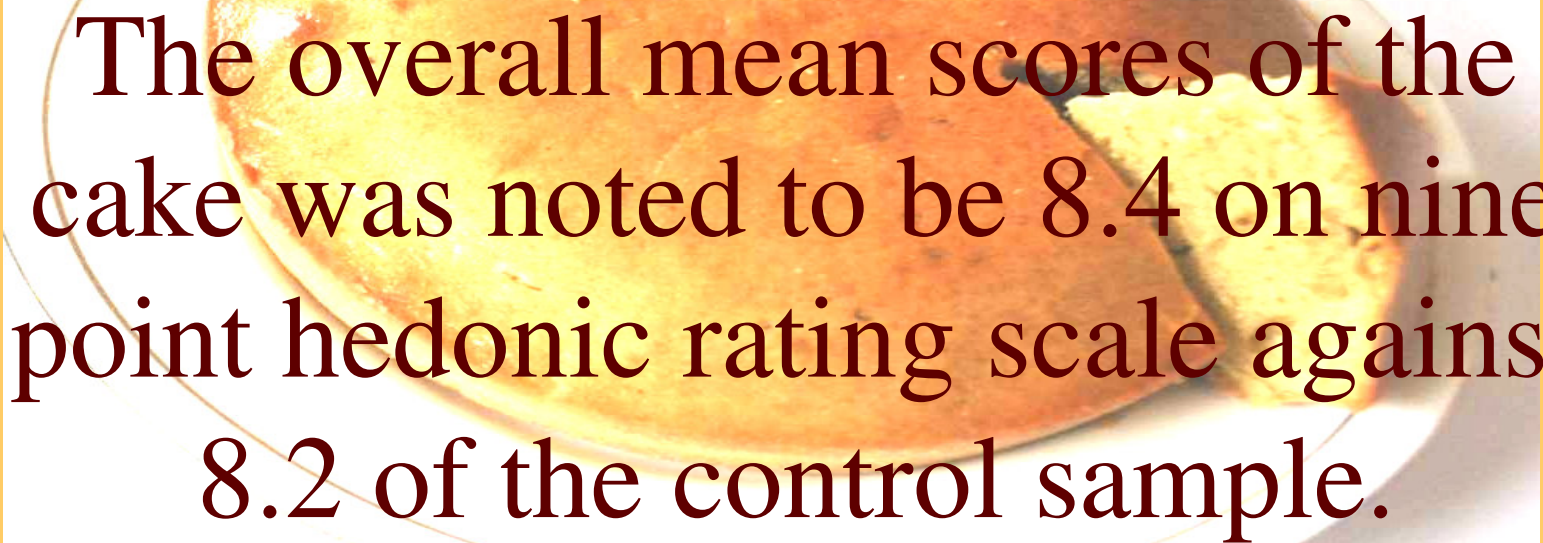
- Procurement of deshi variety of pearl millet.
- Cleaning, washing, drying and grinding.
- Development of egg less pearl millet based cake.
- Sensory evaluation for standardization of the cake.

# RESULTS

## Organoleptic acceptability of pearl millet cake

Cake	Colour	Appearance	Texture	Taste	Flavour	Overall Acceptability
Control	8.5	8.4	8.5	8.5	8.5	8.4
Exp.	8.6	8.7	8.3	8.5	8.6	8.2

\*On 9-point Hedonic Rating Scale

A round, golden-brown cake with a slightly cracked top, resting on a white plate. The cake is the central focus of the image, set against a white background within a larger orange frame.

The overall mean scores of the cake was noted to be 8.4 on nine point hedonic rating scale against 8.2 of the control sample.

# CONCLUSION

Results clearly indicated wide potential of the millet in accessing livelihood security in the arid zone.



*Pearl Millet with great promises*

*THANKS*