



Scienxt Journal of Signal Processing & Analog Integrated Circuits Volume-2  $\parallel$  Issue-1  $\parallel$  Jan-Apr  $\parallel$  Year-2024  $\parallel$  pp. 51-58

## Detection of food adulteration by monopole Antenna with different liquid

\*1Gulab Singh Vaishya, 2Ravi Patel, 3Md. Arif, 4Devendra Chouhan

Department of Electronics & Communication Engineering, Bhopal Institute of Technology & Science, Bhopal, Madhya Pradesh, India

\*Corresponding Author: Gulab Singh Vaishya Email: gulab\_vaishya@yahoo.co.in

## **Abstract:**

In food adulteration, the presence of other substances is to be detected in liquid food and for this purpose a monopole antenna is investigated in this paper. The related antenna design and variation in resonant frequency of monopole antenna in different liquid was also discussed in this paper.

## **Keywords:**

Monopole antenna, return loss