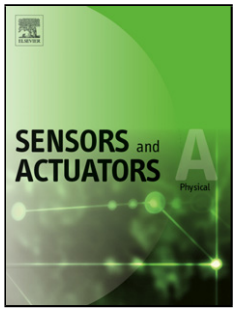


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# Permittivity Extraction of Glucose Solutions Through Artificial Neural Networks and Non-invasive Microwave Glucose Sensing

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Highlights

- Accurate permittivity model for glucose/water solutions is vital for sensor simulations
- Appropriate RF sensor design is needed for achieving high sensitivity
- The small change in blood glucose levels is challenging to measure
- Challenges and sources of problems in glucose concentration measurement