



U-Shaped Plasmonic Fiber Sensor for Measuring Glyphosate in Water

F. M. L. Bombardi, M. Muller, and J. L. Fabris

Author Information ▾ 🔍 Find other works by these authors ▾

Optical Fiber Sensors 2023
Naka-ku, Hamamatsu-shi Japan
20–24 November 2023
ISBN: 978-1-957171-30-2

From the session
[Poster Session III \(Th6\)](#)

Accessible
You can download this article
42 downloads remaining

Get PDF Email Share ▾ Get Citation ▾ Citation alert Save article

PDF Article

Abstract

References (5)

Back to Top

Abstract

A U-shaped fiber sensor coated with a film of cysteamine-encapsulated gold nanoparticles was developed for sensing Glyphosate in water below the limit established by the Brazilian standards for drinking water of 500 μL .

© 2023 The Author(s)

[PDF Article](#)

Related Topics

Optics & Photonics Topics
[Fiber optic sensors](#)
[Localized surface plasmon resonance](#)
[Optical fibers](#)
[Plastic optical fibers](#)
[Refractive index](#)
[Sensor performance](#)