

Intelligent Spectrometer in Madagascar



Overview

A low-cost and portable near infrared spectrometer connected to a smartphone for identifying *Dalbergia*, *Diospyros* and substitute species in Madagascar. In : IUFRO 2024 World Congress: Forests and Society Towards 2050. IUFRO, Swedish University of Agricultural Sciences. Market Forecast By Application (Nanotechnology, Drug Discovery, Environmental Testing, Food and Agriculture, Life Sciences, Materials Chemistry, Forensic Science, Others), By Spectrometer (Optical Spectrometer, Mass Spectrometer, Fluorescence Spectrometer, High-Resolution Spectrometer, Other), By. This study focused on the use of Near InfraRed (NIR) Spectroscopy to address the lack of tools and skills for wood identification of *Dalbergia* species from Madagascar. *greveana*. Laboid International is a renowned name in the field of Spectrophotometer in Madagascar, serving the scientific community. Our commitment to quality and innovation sets us apart. Madagascar's precious wood (*Dalbergia* and *Diospyros*) are highly valued and heavily traded products due to various interesting intrinsic qualities, which conducted to an important recrudescence of an illegal logging in recent years.



Article Content

Madagascar Near Infrared (NIR) Portable Spectrometer Market (2025)

Our analysts track relevant industries related to the Madagascar Near Infrared (NIR) Portable Spectrometer Market, allowing our clients with actionable intelligence and reliable forecasts tailored

Monolithically Integrated Silicon Photonic Spectrometer for Arbitrarily ...

On-chip spectrometers offer great opportunity for developing wearable monitoring devices, industrial remote sensing systems, and agricultural evaluation. In practical application

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Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

A low-cost and portable near infrared spectrometer connected to a ...

This application enables easy data acquisition, transfer, and analysis by utilizing a miniature NIR spectrometer connected to the smartphone via Bluetooth. Depending on the species being identified,

laboratory spectrometer Companies serving Madagascar

List of laboratory spectrometer companies, manufacturers and suppliers serving Madagascar

Imaging-based intelligent spectrometer on a plasmonic rainbow chip

Here we report an intelligent on-chip spectrometer by integrating an on-chip rainbow trapping phenomenon with a compact optical imaging system. Our results show that the plasmonic chip can

Intelligent Bio Solutions Achieves 94.1% Accuracy in Method

NEW YORK, Nov. 26, 2024 (GLOBE NEWSWIRE) -- Intelligent Bio Solutions Inc. (Nasdaq: INBS) ("INBS" or the "Company"), a medical technology company delivering intelligent, rapid, non-invasive

Spectrophotometer In Madagascar | Spectrophotometer

We stand amidst the trusted Spectrophotometer manufacturers in Madagascar, ensuring precision, durability, and performance. Our state-of-the-art manufacturing facilities are equipped with the latest

Organic resources from Madagascar: Dataset of chemical and near

Rabetokotany Rarivoson Nantenaina, Razafimbelo Tantely Maminiana, Masse Dominique, Ramahefarison Heriniaina, Thuriès Laurent. 2022. Organic resources from Madagascar: Dataset of

Integrating artificial intelligence with miniature mass spectrometry ...

As miniature mass spectrometers become increasingly intelligent, they offer a promising solution for rapid analysis in-field scenarios. However, their analytical performance is often slightly

Imaging-based intelligent spectrometer on a plasmonic rainbow chip

The authors develop an imaging-based intelligent spectrometer on a plasmonic "rainbow" chip. It can accurately and precisely determine the spectroscopic and polarimetric information of the ...

Potentiality evaluation of a low cost portable NanoNIR spectrometer ...

Recently, Near Infrared (NIR) spectroscopy has emerged as a powerful method for species discrimination, enabling rapid and multiple analysis. A low cost NIR device : NIRscan Nano

Organic resources from Madagascar: Dataset of chemical and near ...

Organic wastes originating from livestock, agro-industry or urban activities may represent true resources when recycled for new uses, for example, as soil improvers, organic fertilizers or bioenergy sources.

USE OF A PORTABLE NEAR INFRARED SPECTROMETER FOR

This study focused on the use of Near InfraRed (NIR) Spectroscopy to address the lack of tools and skills for wood identification of Dalbergia species from Madagascar.

A low-cost and portable near infrared spectrometer connected to a ...

A low-cost and portable near infrared spectrometer connected to a smartphone for identifying Dalbergia, Diospyros and substitute species in Madagascar Tahiana Ramanantoandro, Lalaina Patricia

Organic resources from Madagascar : dataset of chemical and near ...

Analytical Chemistry: Spectroscopy Compositional
andspectroscopicanalysisoforganicresourceswithanimal, agro-industrial,

Dual-Functional Intelligent Spectrometer Using a Plasmonic Rainbow

Here, we report a plasmonic "rainbow" chip for dual-functional spectroscopic sensing. By analyzing a single image with deep neural network, this image-based system can precisely

Organic resources from Madagascar: Dataset of chemical and near ...

In this article, the chemical composition and NIR spectral data of 1000 OR samples collected from different regions of Madagascar are presented as a table and 6 figures. The dataset

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