

# SPATIALLY DISTRIBUTED TRACER-AIDED MODELLING TO EXPLORE DOC DYNAMICS, HOT SPOTS AND HOT MOMENTS IN A TROPICAL MOUNTAIN CATCHMENT

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/hyp.15020>

The screenshot shows a web browser displaying a Wiley Online Library article. The browser's address bar shows the URL <https://onlinelibrary.wiley.com/doi/pdf/10.1002/hyp.15020>. The page header includes 'Wiley Online Library', 'Page 1 / 15', and a 'This article is Free to Read' notification with a 'GET FULL ACCESS' button. The article title is 'Spatially distributed tracer-aided modelling to explore DOC dynamics, hot spots and hot moments in a tropical mountain catchment'. The authors listed are Juan Pesántez<sup>1</sup>, Christian Birkel<sup>2</sup>, Gabriel Gaona<sup>3</sup>, Saúl Arciniega-Esparza<sup>4</sup>, Desneiges S. Murray<sup>5</sup>, Giovanni M. Mosquera<sup>6</sup>, Rolando Céleri<sup>1</sup>, Enma Mora<sup>1</sup>, and Patricio Crespo<sup>1</sup>. The abstract states: 'Tracer-aided rainfall-runoff modelling is a promising tool for understanding catchment hydrology, particularly when tracers provide information about coupled hydrological-biochemical processes. Such models allow for predicting the quality and quantity of water under changing climatic and anthropogenic conditions. Here, we present the Spatially-distributed Tracer-Aided Rainfall-Runoff model with a coupled biogeochemical reactive tracer module (STARR-DOC) to simulate dissolved organic carbon (DOC)'. The page also features a sidebar with journal information ('Hydrological Processes', Volume 37, Issue 11, Nov 2023) and a 'CITE' button.