

What does Science tell us about the feasibility of bridging the yield for achieving rice self-sufficiency in Africa? Scenarios and policy implications

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Dr. Patricio Grassini is a Sunkist Distinguished Professor in Agronomy at the University of Nebraska-Lincoln (UNL). Patricio earned a B.S. in Agricultural Engineering from University of Buenos Aires (Argentina) and a Ph.D. in Agronomy from UNL.

He has authored over 100 articles published in international peer-review journals, including top-tier journals such as Nature Communications, Nature Sustainability, Nature Food, and PNAS. Patricio was listed within the top 1% Most Highly Cited Researchers in the discipline in the world during the last five years (2019-2023) according to the Web of Science.

His research interests center on yield potential, productivity gaps, and resource-use efficiency in agricultural systems. Patricio's applied research covers a diverse range of cropping systems, including rainfed and irrigated grain crops in South America, the U.S. Corn Belt, and Asia, and oil palm in Southeast Asia. He has been working on an initiative to improve productivity in smallholder oil palm fields in Indonesia over the past six years.

Dr Grassini was recipient of the Sunkist Distinguished Professorship in Agronomy, a Fulbright Scholarship, and other three fellowships and seven awards, including the Agronomy Society of America (ASA) Early Career Award, W.L. Nelson Award for Diagnosing Yield-Limiting Factors, and International Agronomy Award. Patricio also serves as a member of the Editorial Advisory Board of Field Crops Research and Global Food Security journals and Associate Editor for Crop & Environment journal. Patricio was the Chair of the Crop Science Society of America Crop Ecology Division during the 2019 term.

