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Scienze Ambientali, Scienze e Tecnologie per la
Sostenibilità Ambientale, e Biologia Marina

Human and Environmental Impacts of Artisanal-Scale Gold Mining: Challenges and Potential Solutions

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William Pan is Professor of Global Environmental Health at Duke University. His research interests focus on population, health, and environmental interactions in developing countries, particularly on translational research directed toward sustainable development activities and global environmental health.

He has worked in countries throughout Latin America and Africa on topics ranging from land use change, reproductive health, migration, tuberculosis, HIV, enteric infections, and childhood nutrition. The seminar will focus on artisanal and small-scale gold mining (ASGM), which accounts for approximately 20% of global gold production, but nearly 40% of global mercury emissions. Research on ASGM processes, health impacts, and potential technology solutions will be discussed.

