

Stanford



M. Colin Marvin

Ph.D. Student in Geological Sciences, admitted Autumn 2021

 Curriculum Vitae available Online

Bio

EDUCATION AND CERTIFICATIONS

- Bachelor's of Science, Arizona State University , Geography (2021)
- Minor, Arizona State University , Mathematics (2021)
- Certificate, Arizona State University , Geographic Information Science (2021)

LINKS

- Google Scholar: <https://scholar.google.com/citations?user=mNo5eIQAAAAJ&hl=en&oi=ao>

Research & Scholarship

LAB AFFILIATIONS

- Mathieu Lapotre, Earth & Planetary Surface Processes Lab (9/20/2021)

Publications

PUBLICATIONS

- **Microtextural analyses of detrital zircon for paleoenvironmental interpretations of metasedimentary rocks** *GEOLOGY*
Mar, M., Hasson, M., Colicci, V., Abubo, R., Lapotre, M. G. A.
2025
- **From Xanadu Around and Back: A ca. 11,000 km Journey of Windblown Sand Revealed by Global Dune Patterns on Titan** *GEOPHYSICAL RESEARCH LETTERS*
Marvin, M., Lapotre, M. G. A., Radebaugh, J., Bo, W.
2025; 52 (5)
- **Automated determination of transport and depositional environments in sand and sandstones.** *Proceedings of the National Academy of Sciences of the United States of America*
Hasson, M., Marvin, M. C., Lapôtre, M. G.
2024; 121 (40): e2407655121
- **A depositional model for meandering rivers without land plants** *SEDIMENTOLOGY*
Hasson, M., Marvin, M., Gunn, A., Ielpi, A., Lapotre, M. G. A.
2023
- **Dune interactions record changes in boundary conditions** *GEOLOGY*
Marvin, M., Lapotre, M. G. A., Gunn, A., Day, M., Soto, A.
2023

- **A Physical Geography Lab's Online Transition: Student and Instructor Insights Using iGEO Video Games during the Pandemic** *JOURNAL OF GEOGRAPHY*
Heintzman, R., Brandi, A., Kelley, M., Marvin, M.
2023
- **Regional piedmont incision during base-level rise in the northeastern Sonoran Desert, Arizona, USA** *PHYSICAL GEOGRAPHY*
Gonzalez, C., Kelley, M., Marvin, M., Lopez-Castaneda, N., Dorn, R. I., Schmeekle, M.
2022; 43 (1): 67-97
- **Assessing Geomorphic Change in Restored Coastal Dune Ecosystems Using a Multi-Platform Aerial Approach** *REMOTE SENSING*
Hilgendorf, Z., Marvin, M., Turner, C. M., Walker, I. J.
2021; 13 (3)
- **The Fieldwork of Shared Experiences** *The Geographical Bulletin*
Shandonay, K., Moll, H., Marvin, M. C., López-Castañeda, N., Kelley, M. M., Hilgendorf, Z., Heintzman, R., Dorn, R. I.
2021; 62 (2): 82-88