**Pubblicazioni / Selected Pubblications**

1. **Cavalazzi, B.**, & Filippidou, S. (IN PRESS). Microbial survival and adaptation in extreme terrestrial environments – the case of the Dallol geothermal area in Ethiopia. Planet Formation and Panspermia, Beverly, SCRIVENER PUBLISHING.
2. Di Bella, M., Pirajno, F., Sabatino, G., Quartieri, S., **Barbieri, R.**, **Cavalazzi, B.**, Ferretti, A., Danovaro, R., Romeo, T., Andaloro, F., Esposito, V., Scotti, G., Tripodo, A., & Italiano, F. (2021). Rolling Ironstones from Earth and Mars: Terrestrial Hydrothermal Ooids as a Potential Analogue of Martian Spherules. Minerals, 11, 1-18.
3. Baucon, A., Bednarz, M., Dufour, S., Felletti, F., Malgesini, G., De Carvalho, C.N., Joseph, K., Wehrmann, N.A., Batstone, R., Bernardini, F., Briguglio, A., Cabella, R., **Cavalazzi, B.**, Ferretti, A., Zanzerl, H., & McIlroy, D. (2020). Ethology of the trace fossil Chondrites: form, function and environment. EARTH-SCIENCE REVIEWS, 202, 102989.
4. Franchi, F., MacKay, R., Selepeng, A.T., & **Barbieri, R.** (2020). Layered mound, inverted channels and polygonal fractures from the Makgadikgadi Pan (Botswana): possible analogues for Martian aqueous morphologies. Planetary and Space Science, 192, 1-15.
5. Hickman-Lewis, K., Westall, F., & **Cavalazzi, B.** (2020). Diverse communities of Bacteria and Archaea flourished in Palaeoarchaean (3.5-3.3 Ga) microbial mats. Paleontology, 63, 1007-1033.
6. **Cavalazzi, B.**, **Barbieri ,R.**, Gómez, F., Capaccioni, B., Olsson-Francis, K., Pondrelli, M., Rossi, A.P., Hickman-Lewis, K., Agangi, A., Gasparotto, G., Glamoclija, M., Ori, G.G., Rodriguez, N., & Hagos, M. (2019). The Dallol Geothermal Area, Northern Afar (Ethiopia)—An Exceptional Planetary Field Analog on Earth. Astrobiology, 19, 553-578.
7. Greco, F., **Cavalazzi, B.**, Hofmann, A., & Hickman-Lewis, K. (2018). 3.4 Ga biostructures from the Barberton greenstone belt of South Africa: new insights into microbial life. Bollettino della Società Paleontologica Italiana, 57, 59-74.
8. Hickman-Lewis, K., **Cavalazzi, B.**, Foucher, F., & Westall, F. (2018). Most Ancient Evidence for Life in the Barberton Greenstone Belt: Microbial Mats and Biofabrics of the ~3.47 Ga Middle Marker Horizon. Precambrian Research, 312, 45-67.
9. Baucon, A., De Carvalho, C.N., **Barbieri, R.**, Bernardini, F., **Cavalazzi, B.**, Celani, A., Felletti, F., Ferretti, A., Schönlaub, H.P., Todaro, A., & Tuniz, C. (2017). *Organism-substrate interactions and astrobiology: Potential, Models and Methods.* Earth-Science Reviews, 171, 141-180.
10. **Barbieri, R.**, & **Cavalazzi, B.**, 2018. Microterracettes in Sabkha Oum Dba (Western Sahara, Morocco): physical and biological interactions in the formation of a surface micromorphology. Astrobiology, 18, 1351.1367.