

Rumen Inoculum Enhances Cathode Performance in Single-Chamber Air-Cathode Microbial Fuel Cells

Ignacio T. Vargas ^{1,2,*}, Natalia Tapia ^{1,2} and John M. Regan ³

- ¹ Department of Hydraulic and Environmental Engineering, Pontificia Universidad Católica de Chile, Santiago 7820436, Chile; netapia@uc.cl
- ² Centro de Desarrollo Urbano Sustentable (CEDEUS), Santiago 7520246, Chile
- ³ Department of Civil and Environmental Engineering, The Pennsylvania State University, University Park, PA 16801, USA; jmr41@psu.edu
- * Correspondence: itvargas@ing.puc.cl

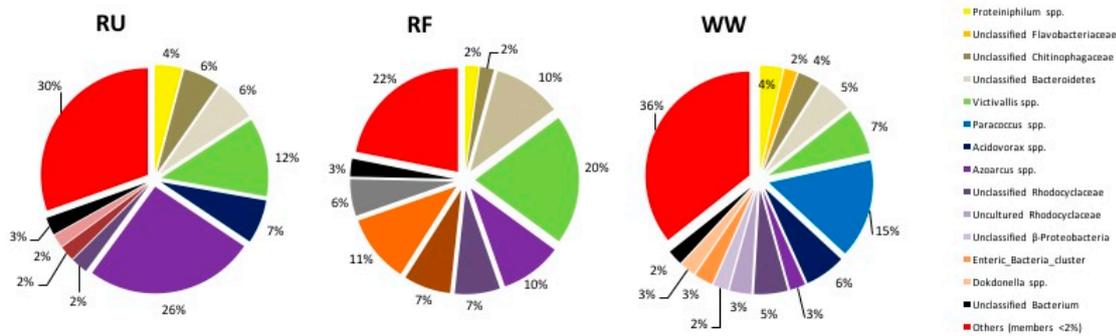


Figure S1. Genus-level community distribution of cathodes of rumen (RU), rumen + fumarate (RF) and wastewater (WW) reactors. Results show a shift in the frequency of *Victivallis* spp. (from 26% to 20%) and *Azoarcus* spp. (from 3% to 10%) for rumen reactors amended with fumarate.

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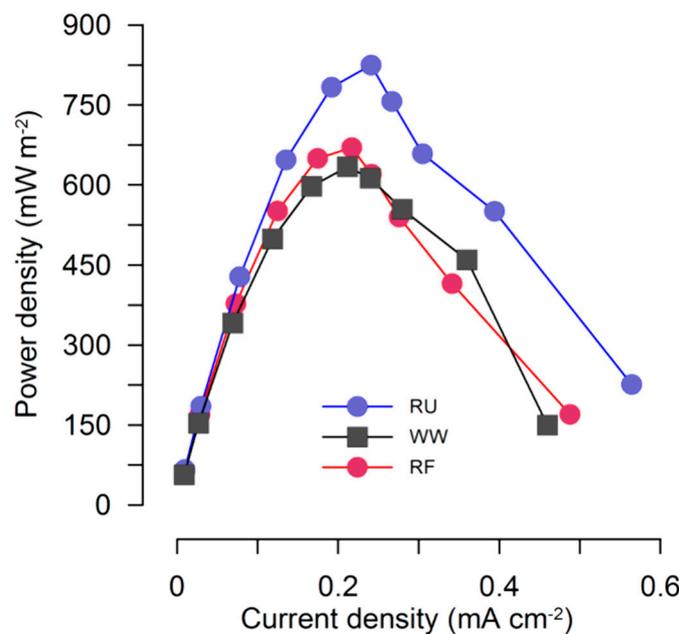


Figure S2. Power density curves of MFC reactors. A decrease in the maximum power density is observed in rumen reactors amended with fumarate. RU: rumen and wastewater inoculum; RF: rumen and wastewater inoculum + fumarate additions; WW: wastewater inoculum.

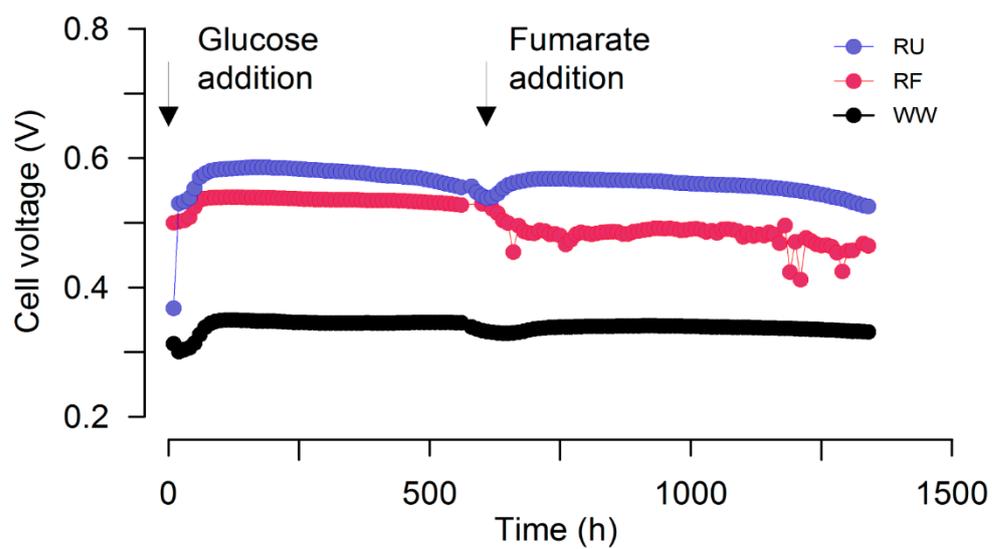


Figure S3. MFC reactor inoculated with rumen enrichment and amended with 60 mgL^{-1} of fumarate (additional to the 1 gL^{-1} of glucose) for each batch-cycle, during 60 days of operation. Results show a decrease in cell voltage after fumarate addition suggesting its role as alternative electron acceptor. RU: rumen + wastewater; RF: rumen + wastewater amended with fumarate; WW: wastewater.