1106-34-1644   **John R. Graef**, **Lingju Kong**, **Qingkai Kong** and **Min Wang*** (`min-wang@utc.edu`),
Department of Mathematics, University of Tennessee at Chattanooga, Chattanooga, TN 37403. *A fractional boundary value problem with Dirichlet boundary conditions.*

In this paper, the authors study a nonlinear fractional boundary value problem with the Dirichlet boundary condition. The associated Green's function is derived in terms of the generalized Mittag-Leffler function, and the existence of solutions is established based on it. (Received September 14, 2014)