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**canan unlu\*** (unlucanan@hotmail.com), istanbul university, science faculty, department of mathematics, 34134 istanbul, istanbul, Turkey, and **ahmet yildirim, syed tauseef mohyud-din** and **zehra pinar**. *VARIATIONAL ITERATION METHOD FOR SOLVING THE FRACTIONAL-ORDER BURGERS-POISSON EQUATION*. Preliminary report.

In this letter, we obtained the approximate analytical solution of the fractional-order Burgers-Poisson equation with the help of approximate analytical method of nonlinear problem called the Variational Iteration Method (VIM). By using initial condition, the explicit solution of the equation has been derived which demonstrate the effectiveness, validity, potentiality and reliability of the method in reality. (Received January 11, 2012)