

# **A note on Numerical Methods for Fractional Differential Equations and Applications**

**Gunvant A Birajdar**

School of Rural Development,  
Tata Institute of Social Sciences Tuljapur,  
Dist: Osmanabad- (MS)-413602 INDIA.

**Email:** [gabirajdar11@gmail.com](mailto:gabirajdar11@gmail.com)

## **Abstract**

This talk will focus on different numerical methods which are employed to obtain the solution of fractional differential equations. Also, here we can have discussion on stability, convergence as well as consistency of these methods. It will go along with suitable numerical problems together with its graphical solution obtained by MATLAB software.

**Key words:** Fractional operators, Convergence, Stability, Consistency.