## Estimates of Mean-Type Fractional Inequalities For Differentiable Functions

Muhammad Samraiz $^1$ , Zahida Perveen $^2$ , Sajid Iqbal $^3$ , Saima Naheed $^2$ , and Thabet Abdeljawad $^4$ 

June 12, 2021

## Abstract

In this article, we established a wide range of fractional mean-type integral inequalities for notable Hilfer fractional derivative using twice differentiable convex and ss-convex functions for  $s\sin(0,1]$  with related identities. Also the results for Caputo fractional derivatives are derived as a special case of our general results.

## Hosted file

M.Samraiz, Z. Perveen ,S. Iqbal, Saima Naheed, Thabet Abdeljawad.pdf available at https://authorea.com/users/419372/articles/525893-estimates-of-mean-type-fractional-inequalities-for-differentiable-functions

<sup>&</sup>lt;sup>1</sup>University of Sargodha

<sup>&</sup>lt;sup>2</sup>University of Sargodha Faculty of Sciences

<sup>&</sup>lt;sup>3</sup>Riphah International University - Lahore Campus

<sup>&</sup>lt;sup>4</sup>Prince Sultan University