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**George A. Anastassiou\*** ([ganastss@memphis.edu](mailto:ganastss@memphis.edu)), Department of Mathematical Sciences,  
University of Memphis, Memphis, TN 38152. *Integral Operator Inequalities on Time  
Scales*. Preliminary report.

Here we present a wide range integral operator general inequalities on time scales under convexity. Our treatment is combined by using the diamond-alpha integral. When that fails in the fractional setting we use the delta and nabla integrals. We give plenty of interesting applications. (Received September 06, 2012)