

**CONTRA  $Z_\alpha$  CONTINUOUS FUNCTIONS IN DOUBLE FUZZY  
TOPOLOGICAL SPACES**

**K. Jayapandian, O. Uma Maheswari, S. Murugambigai\* and  
A. Vadivel\*\***

PG and Research Department of Mathematics,  
J. J. College of Arts and Science,  
Pudukkottai - 622422, Tamil Nadu, INDIA

E-mail : kjayapandian@yahoo.co.in, ard\_uma@yahoo.com.sg

\*Department of Mathematics,  
Government Arts college (Autonomous),  
Karur - 639005, Tamil Nadu, INDIA

E-mail : muruga.jb@gmail.com

\*\*Department of Mathematics,  
Annamalai University,  
Annamalai Nagar - 608002, Tamil Nadu, INDIA

E-mail : avmaths@gmail.com

(Received: Mar. 15, 2022 Accepted: May 28, 2022 Published: Jun. 30, 2022)

**Special Issue**

**Proceedings of International Virtual Conference on  
“Applied Mathematics and Computation– AMC- 2022”**

**Abstract:** We present  $dfc\alpha Cts$  functions and investigate some of their features in  $dfts$  in this research.

**Keywords and Phrases:**  $dfc\alpha Cts$ ,  $dfcSCts$ ,  $dfc\gamma Cts$ ,  $dfcZ_\alpha Cts$ .

**2020 Mathematics Subject Classification:** 03E72, 45D05, 54A40.