

JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES www.journalimems.org



Table of Contents Vol. 16, No 6., June 2021

SL. NO.	TITLE OF THE PAPER	NAME OF THE AUTHOR/S	PAGE NO.
SL. NO.	TITLE OF THE FAFER	NAME OF THE MUTHOR/S	FMGE NO.
1	THE FIVE PARAMETER LOGISTIC (5PL) FUNCTION AND COVID-19 EPIDEMIC IN ICELAND	Pinaki Pal ¹ , Asish Mitra ²	1-12
2	AN ITERATIVE, BRACKETING & DERIVATIVE-FREE METHOD FOR NUMERICAL SOLUTION OF NON-LINEAR EQUATIONS USING STIRLING INTERPOLATION TECHNIQUE	Sanaullah Jamali ¹ , Zubair Ahmed Kalhoro ² Abdul Wasim Shaikh ³ , Muhammad Saleem Chandio ⁴	13-27
3	STRESS AND FATIGUE LIFE PREDICTION OF THE H-TYPE DARRIEUS VERTICAL AXIS TURBINE FOR MICRO-HYDROPOWER APPLICATIONS	Intizar Ali ¹ , Shadi Khan Baloch ² , Saifullah Samo ³ , Tanweer Hussain ⁴	28-38
4	NUMERICAL SOLUTION OF THE PARTIAL DIFFERENTIAL EQUATION USING RANDOMLY GENERATED FINITE GRIDS AND TWO-DIMENSIONAL FRACTIONAL- ORDER LEGENDRE FUNCTION	Sanaullah Mastoi ¹ , Wan Ainun Mior othman ² , Umair Ali ³ Umair Ahmed Rajput ⁴ , Ghulam Fizza ⁵	39-51
5	A NOVEL FUZZY ENTROPY MEASURE AND ITS APPLICATION IN COVID-19 WITH FUZZY TOPSIS	Razia Sharif ¹ , Zahid Hussain ² , Shahid Hussain ³ , Sahar Abbas ⁴ Iftikhar Hussain ⁵	52-63
6	SIMILARITY MEASURES OF PYTHAGOREAN FUZZY SETS WITH APPLICATIONS TO PATTERN RECOGNITION AND MULTICRITERIA DECISION MAKING WITH PYTHAGOREAN TOPSIS	Zahid Hussain ¹ , Sahar Abbas ² , Shahid Hussain ³ , Zaigham Ali ⁴ Gul Jabeen ⁵	64-86
7	OPTIMIZATION OF DISSIMILAR FRICTION STIR WELDED ALUMINUM PATES (2024 T3 AND 7075T6) BY USING DIFFERENT METHODS	Rasha M. Hussien ¹ , Mohsin Abdullah Al-Shammari ²	87-96
8	NUMERICAL ITERATIVE METHOD OF OPEN METHODS WITH CONVERGE CUBICALLY FOR ESTIMATING NONLINEAR APPLICATION EQUATIONS	Umair Khalid Qureshi ¹ , Prem kumar ² , Feroz Shah ³ Kamran Nazir Memon ⁴	97-103