

## Department of Mathematics, CIIT-Lahore (2015)

### ISI and IF Publications

S.No	Title	Authors	Journal Name	Volume/Issue	Page/Article ID	Dep-Campus	IF/ISI	CIIT Authors
1	Certain types of vague cycles and vague trees	Muhammad Akram Adeel Farooq	Journal of Intelligent & Fuzzy Systems	28	621-631	MTH-LHR	1.627	1
2	Group decision making by using incomplete fuzzy preference relations based on T-consistency and the order consistency	Atiq ur rehman, Etienne E. Kerre and Samina Ashraf	International Journal of Intelligent Systems	30 / 2	120-143	MTH-LHR	1.4	1
3	On dynamical instability of spherical star in $f(R, T)$ gravity	Muhammad Zubair, IfraNoureen	Astrophysics and Space Science	356	103-110	MTH-LHR	2.6	1
4	Energy conditions in $f(T)$ gravity with non-minimal torsion-matter coupling	Muhammad Zubair, IfraNoureen	Astrophysics and Space Science	355	361-369	MTH-LHR	2.6	1
5	Cosmological reconstruction of pilgrim dark energy model in $f(T, TG)$ gravity	Abdul Jawad	Astrophysics and Space Science	356	119-127	MTH-LHR	2.401	1
6	Dynamical Study of Fractional Order Tumor Model	Sadia Arshad, Sana Javed, Ayesha Sohail	International Journal of Computational Methods	12 / 5	1550032 (12 pages).	MTH-LHR	0.654	3
7	Extremal Bicyclic 3-Chromatic Graphs	Ioan Tomescu & Sana Javed	Graphs, Graphs and Combinatorics,	31 / 4	1043-1052.	MTH-LHR	0.388	1
8	On Cycle-supermagicness of subdivided graphs	Syed Tahir Raza Rizvi, Madiha Khalid, Kashif Ali, Mirka Miller, Joe Ryan	Bulletin of the Australian Mathematical Society	92( 2015)	11-18	Maths-Lahore	0.48	3
9	Quasi-Linear Quotients and Shellability of Pure Simplicial Complexes	Imran Anwar, Zahid Raza	Communications in Algebra	43	4698-4704	Math-Lahore	0.388	1

10	Spanning Simplicial Complexes of uni-cyclic Graphs	Imran Anwar, Zahid Raza, Agha Kashif	Algebra Colloquium	22 (4)	707-710	Math-Lahore	0.24	1
11	Super edge-magic total labeling of subdivided stars,	Kashif Ali, M. Hussain, M. Javaid, H. Shaker,	ARS Combinatoria, (2015)	120	161-167	Math-Lahore	0.287	3
12	On certain Topological indices of the line graph of subdivision graphs	M. Faisal Nadeem, Sohail Zafar, Zohaib Zahid	Applied Mathematics and Computation	270	790-794	Math-Lahore	1.6	
13	Popoviciu Type Inequalities Via Green Function and Generalized Montgomery Identity	Saad Ihsan Butt, Khurram Ali Khan and Josip Pecaric.	Mathematical Inequalities & Applications	Volume 18, issue 4,	1519–1538	Math-Lahore	0.645	
14	On Path-Sunflower Ramsey Numbers	Kashif Ali, Ioan Tomescu, Imran Javaid	Mathematical Reports	17(67)/4	385-390	Math-Lahore	0.114	
15	Numerical Study of Free Convective Flow of a Nanofluid over a Chemically Reactive Porous Flat Vertical Plate with a Second-Order Slip Model	Sohail, A., Uddin, M., and Rashidi, M. (2015)	Journal of Aerospace Engineering	9/4	4015047	Math-Lahore	0.84	
16	Optical solitons in dual-core fibers with inter-modal dispersion	Muhammad Younis, Syed TahirRazaRizvi, Syed AmerMahmood, Jose-Vega Guzman, Qin Zhou, AnjanBiswas, MilivojBelic	Optoelectronics and Advanced Materials-Rapid Communications	9	1126-1134		0.394	
17	Analysis of Dark Energy Models in DGP Braneworld	Abdul Jawad	Astrophysics and Space Science	360	52	Math-Lahore	2.263	
18	Modified QCD Ghost $f(T, T_G)$ Gravity	Abdul Jawad, Shamaila Rani and Surajit Chattopadhyay	Astrophysics and Space Science	360	37	Math-Lahore	2.263	
19	Dynamical Instability of Shear-free Collapsing Star in Extended Teleparallel Gravity	Abdul Jawad and Shamaila Rani	European Physical Journal C	75	548	Math-Lahore	5.084	

20	Holographic Polytropic $f(T)$ -Gravity Models	Surajit Chattopadhyay, Abdul Jawad and Shamaila Rani	Advances in High Energy Physics	2015	798902	Math-Lahore	2.203	
21	Generalized Ghost Pilgrim Scalar Field Models of Dark Energy	Abdul Jawad, Ujjal Debnath and Fazal Batool	Communications in Theoretical Physics	64	590-596	Math-Lahore	0.893	
22	Reconstruction of Generalized Ghost Pilgrim Dark Energy in $F(R)$ Gravity	Abdul Jawad and Shamaila Rani	Astrophysics and Space Science	359	23	Math-Lahore	2.263	
23	Thermodynamics with Entropy Corrections in Kaluza-Klein Universe	M. Sharif and Abdul Jawad	Chinese Journal of Physics	53	110112	Math-Lahore	0.413	
24	Thermodynamic study in modified $f(T)$ gravity with cosmological constant regime	Muhammad Zubair, Saira Waheed	Astrophysics and Space Science	360	68	Math-Lahore	2.26	
25	On Super d-anti-magic labeling of subdivided $KC_5$ ,	M. Hussain, A. Tabraiz	Turkish Journal of Mathematics	(2015) 39	773-783.	Math-Lahore	0.311	
26	On $(a,d)$ edge-antimagic total labeling of subdivided caterpillar,	M. Javaid, A. A. Bhatti, M. Hussain	Utilitas Mathematica	(2015)98	227-241	Math-Lahore	0.28	
27	Correspondence of pilgrim dark energy with scalar field models	[Jawad, Abdul] ; [Majeed, Asim]	ASTROPHYSICS AND SPACE SCIENCE	356/2	375-381	Math Lahore	IF/ISI	
28	Optical solitons in dual-core fibers with $G'/G$ -expansion scheme	[Younis, M.] ; [Rizvi, S. Tahir Raza] ; [Zhou, Q.] ; [Biswas, Anjan] ; [Biswas, Anjan] ; [Belic, M.]	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	17/3-4	505-510	Math Lahore	IF/ISI	
29	Dynamical instability and expansion-free condition in $f(R, T)$ gravity	[Noureen, Ifra] ; [Zubair, M.]	EUROPEAN PHYSICAL JOURNAL C	75/2	62	Math Lahore	IF/ISI	

30	Impact of extended Starobinsky model on evolution of anisotropic, vorticity-free axially symmetric sources	[Noureen, Ifra; Bhatti, Abdul Aziz] ; [Zubair, M.]	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS		33	Math Lahore	IF/ISI	
31	Cosmological Analysis of Dynamical Chern-Simons Modified Gravity via Dark Energy Scenario	[Jawad, Abdul; Rani, Shamaila]	ADVANCES IN HIGH ENERGY PHYSICS			Math Lahore	IF/ISI	
32	Cosmological Evolution of Pilgrim Dark Energy in f(G) Gravity	[Jawad, Abdul; Rani, Shamaila]	ADVANCES IN HIGH ENERGY PHYSICS		952156	Math Lahore	IF/ISI	
33	Quintessence and Holographic Dark Energy in f(T) Gravity	[Zubair, M]	ADVANCES IN HIGH ENERGY PHYSICS		292767	Math Lahore	IF/ISI	
34	Cosmological evolution of modified QCD ghost dark energy in dynamical Chern-Simons gravity	[Jawad, Abdul; Sohail, Ayesha]	ASTROPHYSICS AND SPACE SCIENCE	359/2	55	Math Lahore	IF/ISI	
35	Bianchi type-III models with anisotropic dark energy in Brans-Dicke-Rastall theory	[Salako, Ines G.]; [Jawad, Abdul]	ASTROPHYSICS AND SPACE SCIENCE	359/2	46	Math Lahore	IF/ISI	
36	Energy constraints and F(T, T-G) cosmology	[Waheed, Saira] ; [Zubair, M.]	ASTROPHYSICS AND SPACE SCIENCE	359/2	47	Math Lahore	IF/ISI	
37	Fuzzy dissimilarity and generalization of Valverde's theorem on T-indistinguishability relations	Ashraf, Samina,	FUZZY SETS AND SYSTEMS	275	144-154	Math Lahore	IF/ISI	
38	Numerical analysis of fractional-order tumor model	[Sohail, Ayesha; Arshad, Sadia; Javed, Sana] ; [Maqbool, Khadija]	INTERNATIONAL JOURNAL OF BIOMATHEMATICS	42587	1550069	Math Lahore	IF/ISI	
39	Analytical and soliton solutions: Nonlinear model of nanobioelectronics transmission lines	[Younis, Muhammad] ; [Rizvi, Syed Tahir Raza]; [Ali, Safdar]	APPLIED MATHEMATICS AND COMPUTATION	265	994-1002	Math Lahore	IF/ISI	

40	New Agegraphic Pilgrim Dark Energy in $f(T, T-G)$ Gravity	[Jawad, Abdul]; [Debnath, Ujjal]	COMMUNICATIONS IN THEORETICAL PHYSICS	64/2	145-150	Math Lahore	IF/ISI	
41	Interacting new agegraphic version of pilgrim dark energy	[Jawad, Abdul] , Dept Math, Lahore ; [Abbas, G.] Dept Math, Sahiwal	INTERNATIONAL JOURNAL OF MODERN PHYSICS D	24/8	1550061	Math Lahore	IF/ISI	
42	Holographic dark energy reconstruction in $f(T, \tau)$ gravity	[Salako, Ines G.] ; [Jawad, Abdul] ; [Chattopadhyay, Surajit]	ASTROPHYSICS AND SPACE SCIENCE	358/1	13	Math Lahore	IF/ISI	
43	Evolution of axially symmetric anisotropic sources in $f(R, T)$ gravity	[Zubair, M.] ; [Noureen, Ifra]	EUROPEAN PHYSICAL JOURNAL C	75/6	265	Math Lahore	IF/ISI	
44	Anisotropic compact stars in $f(T)$ gravity	[Abbas, G.; Kanwal, Afshan] Dept Math, Sahiwal ; [Zubair, M.]	ASTROPHYSICS AND SPACE SCIENCE	357/2	109	Math Lahore	IF/ISI	
45	Energy conditions in $f(T, T-G)$ gravity	Jawad, A.	EUROPEAN PHYSICAL JOURNAL PLUS	130/5	94	Math Lahore	IF/ISI	
46	Cosmological analysis of pilgrim dark energy in loop quantum cosmology	Jawad, A.	EUROPEAN PHYSICAL JOURNAL C	75/5	206	Math Lahore	IF/ISI	
47	Reconstruction scenario in modified Horava-Lifshitz $F(R)$ gravity with well-known scale factors	[Jawad, Abdul; Rani, Shamaila]	ASTROPHYSICS AND SPACE SCIENCE	357/1	88	Math Lahore	IF/ISI	
48	Interacting modified QCD ghost scalar field models of dark energy	Jawad, Abdul	ASTROPHYSICS AND SPACE SCIENCE	357/1	19	Math Lahore	IF/ISI	
49	Cosmological analysis of $F(R)$ overtilde models via pilgrim dark energy	[Jawad, Abdul] ; [Chattopadhyay, Surajit]	ASTROPHYSICS AND SPACE SCIENCE	357/1	37	Math Lahore	IF/ISI	
50	Lorentz distributed noncommutative wormhole solutions in extended teleparallel gravity	[Jawad, Abdul; Rani, Shamaila]	EUROPEAN PHYSICAL JOURNAL C	75/4	173	Math Lahore	IF/ISI	

51	Optical Solitons for Ultrashort Pulses in Nano Fibers	[Younis, Muhammad] ; [Rizvi, Syed Tahir Raza]	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	42645	179-182	Math Lahore	IF/ISI	
52	Modified Holographic Ricci Dark Energy in Chameleon Brans Dicke Cosmology and Its Thermodynamic Consequence	[Jawad, A.] ; [Chattopadhyay, S.] ; [Bhattacharya, S.]; [Pasqua, A.]	COMMUNICATIONS IN THEORETICAL PHYSICS	63/4	453-458	Math Lahore	IF/ISI	
53	Traveling wave solutions for nonlinear dispersive water-wave systems with time-dependent coefficients	[Ali, S.] ; [Rizvi, S. T. R.]; [Younis, M.]	NONLINEAR DYNAMICS	82/4	1755- 1762	Math Lahore	IF/ISI	
54	On Characteristic Poset and Stanley Decomposition of S/I	[Ahmad, Sarfraz; Anwar, Imran]	ALGEBRA COLLOQUIUM	22/1	739-744	Math Lahore	IF/ISI	
55	Group Decision Making with Incomplete Interval-valued Fuzzy Preference Relations Based on the Minimum Operator	[Ashraf, S.; Rehman, A.] ; [Kerre, E. E.]	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	10/6/SI	789-802	Math Lahore	IF/ISI	
56	Anisotropic charged fluids with Chaplygin equation of state in (2+1) dimension	[Bhar, Piyali; Rahaman, Farook; Islam, Sayeedul] [Jawad, Abdul]	ASTROPHYSICS AND SPACE SCIENCE	360/1	32	Math Lahore	IF/ISI	
57	Generalized second law of thermodynamics in f (T, T-G) gravity	[Zubair, M.; Jawad, Abdul]	ASTROPHYSICS AND SPACE SCIENCE	360/1	11	Math Lahore	IF/ISI	
58	On super edge-magicness and deficiencies of forests	[Javed, Sana] ; [Riasat, Ayesha] ; [Kanwal, Salma] ;	UTILITAS MATHEMATICA	98	149-169	Math Lahore	IF/ISI	
59	Multiple travelling wave solutions for electrical transmission line model	[Sardar, A.; Husnine, S. M.] ; [Rizvi, S. T. R.; Ali, Kashif.] ; [Younis, M.]	NONLINEAR DYNAMICS	82/3	1317- 1324	Math Lahore	IF/ISI	
60	Cosmological implications of dark energy model in DGP braneworld	[Jawad, Abdul] ; [Salako, Ines G.]	EUROPEAN PHYSICAL JOURNAL PLUS	130/10	198	Math Lahore	IF/ISI	

61	Reconstructing QCD ghost f (R, T) models	[Zubair, M.] , Dept Math, Lahore ; [Abbas, G.] Dept Math, Sahiwal, Pakistan	ASTROPHYSICS AND SPACE SCIENCE	357/2	154	Math Lahore	IF/ISI	
62	Dispersive dark optical soliton in (2+1)-dimensions by G'/G-expansion with dual-power law nonlinearity	Muhammad Younis, Syed TahirRazaRizvi	Optik	126	5812-5814	Math Lahore	0.677	
63	Exact solitons in a medium with competing weakly nonlocal nonlinearity and parabolic law nonlinearity	Muhammad Younis, Ali Sardar, Syed Tahir Raza Rizvi, and Qin Zhou	Journal of Nonlinear Optical Physics & Materials	24(4)	1550049	Math Lahore	0.64	2

#### Non-ISI Publications

S. No.	Title	Authors	Journal Name	Volume/Issue	Page/Article ID	Dep-Campus	IF/ISI	CIIT Authors
1	Near-optimality conditions in mean-field control models involving continuous and impulse controls	Chighoub, Farid; <b>Sohail, Ayesha</b> ; Alia, Ishak	Nonlinear Studies	22(4) 2015).	719-738	Math-lahore	scopus	
2	EVOLUTION EQUATIONS WITH CAUSAL OPERATORS	RAVI P. AGARWAL, SADIA ARSHAD, VASILE LUPULESCU AND DONAL O'REGAN	Differential Equations & Applications	7	15-26	MTH-LHR	ISI	1
3	Numerical Modelling of Effective Diffusivity in Bone Tissue Engineering"	Dr. Ayesha Sohail	World Academy of Science & Technology	9	1	MTH-LHR	ISI	1
4	VASILE LUPULESCU AND DONAL O'REGAN, EVOLUTION EQUATIONS WITH CAUSAL OPERATORS	RAVI P. AGARWAL, SADIA ARSHAD	Applied Mathematics and Information science	7	15-26	MTH-LHR	1.232	1

5	Odd Graceful Labeling of Acyclic Graphs,	Ayesha Riasat, Sana Javed	American Journal of Applied Mathematics	Volume 3, Issue 3-1, June 2015	Pages:14-18	Math-lahore		
6	An experimental study of relaxation of bolts	M.Abid, M.S. Khalil,H.A.Wajid	IIUM Engineering Journal	16(1)	43-52	Maths-Lahore	0.018	1
7	Face Antimagic Labeling Of Generalized $KC_n$ snake graph,	M. Hussain, A. Tabraiz,	Science International,	(2015) 3	1715-1718.	Math-Lahore	ISI	
8	On cycle anti-supermagic labelings of the ladder and triangular ladder graphs	I. Z. Cheema M. Hussain, H. Shakir	Science International,	(2015) 3	1719-1722.	Math-Lahore	ISI	
9	Design, Development and Testing of a Combined Savonius and Darrieus Vertical Axis Wind Turbine	M. Abid, K. S. Karimov, H. A. Wajid, F. Farooq, H. Ahmed, O. H. Khan	Iranica Journal of Energy & Environment	6 (1)	15-18	Maths-Lahore	0.544	1
10	On the Dichotomy of Non-Autonomous Systems Over Finite Dimensional Spaces	Sadia Arshad, Akbar Zada, Gul Rahmat and Aftab Khan	Applied Mathematics and Information science	9	1-6	MTH-LHR	1.232	1
11	Nonlinear shallow water waves: A fractional order approach	S Arshad, A Sohail, K Maqbool	Alexandria Engineering Journal,	2015		Math-Lahore	ISI	