



المملكة العربية السعودية
وزارة التعليم العالي
جامعة الملك فيصل

جامعة الملك فيصل

كلية العلوم

وكالة الكلية للدراسات العليا والبحث العلمي

الإنتاج العلمي بكلية العلوم

2017-2016

النشاط البحثي المنشور لأعضاء هيئة التدريس والباحثين بكلية العلوم لعام 2017

2017

م	عنوان البحث	أعضاء هيئة التدريس	المجلة (المجلد/العدد/ارقام الصفحات، تاريخ النشر)	مجلة محكمة	مجلة غير محكمة	منشور في مؤتمر	كتب منشورة او فصل في كتاب منشور
1	Some composition formulas of Jacobi type orthogonal polynomials	P. Malik, Saiful R Mondal	Communication in Korean Math. Society, Vol. 32, 3, 677-688, 2017	√			
2	Certain inequalities involving the k -Struve function	K. S. Nisar, Saiful R Mondal , J. Choi	Journal of Inequalities and Applications, 2017,2017:71	√			
3	Certain generalized fractional derivative formulas of hypergeometric functions	K. S. Nisar, Saiful R Mondal , J. Choi	Far East Journal of Mathematical Sciences, 101, 7, 1603-1617. 2017	√			
4	Monotonicity properties and inequalities for the generalized Struve functions	R. M. Ali, Saiful R Mondal , K S Nisar	J. Korean Math. Soc. 54, 2, 575—598, 2017	√			
5	Inequalities of extended Beta and extended hypergeometric functions	Saiful R Mondal	Mondal Journal of Inequalities and Applications 10, 2017 DOI 10.1186/s13660-016-1276-9	√			
6	Certain unified integral formulas involving the generalized modified k -Bessel function of first kind	Saiful R Mondal, K S Nisar	C. Korean Math. Soc. 32, 1, 47—53, 2017	√			
7	Some integral involving generalized k -Struve functions	K. S Nisar, Saiful R Mondal	Communications in Numerical Analysis, 1, 1-6, 2017	√			
8	Periodic orbits of the generalized Friedmann-Robertson-Walker	Mohammed El-dessoky, Adel Elmandouh and Atef	AIP ADVANCES 7, 035021,2017	√			

					Hobiny	potential in galactic dynamics in a rotating reference frame	
				Advances in Diffe. Equa.27, 28 pages, 2017.	Wang J.R. Ibrahim A.G. and O'Regan.D., and Y. Zhou	A general class of noninstantaneous impulsive fractional differential inclusions in Banach spaces	9
			√	Acta Mechanica ,2017, DOI 10.1007/s00707-017-1927-z	Adel Elmandouh	On the stability of the permanent rotations of a charged rigid body-gyrost.	10
			√	Journal of Lie Theory 27 , 1, 237—250,2017	Marouane Rabaoui	Functions of negative type on the Olshanski spherical pair $(SL(\infty); SU(\infty))$	11
			√	International Journal of Applied Mechanics, 9(01), 1750008, 2017.	Mohammed Sobhy and A.F. Radwan	A new quasi 3-D nonlocal hyperbolic plate theory for vibration and buckling of FGM nanoplates.	12
			√	Structural Engineering and Mechanics (2017) 63(3), 401–415.	Mohammed Sobhy	Hygro-thermo-mechanical vibration and buckling of exponentially graded nanoplates resting on elastic foundations via nonlocal elasticity theory	13
			√	Acta Mechanica (2017) DOI 10.1007/s00707-017-1920-6.	A.M. Zenkour and Mohammed Sobhy	Nonlocal piezo-hygro-thermal analysis for vibration characteristics of piezoelectric Kelvin-Voigt viscoelastic nanoplates embedded in a viscoelastic medium	14
			√	Microsystem Technologies ,2017 DOI 10.1007/s00542-017-3492-8.	Mohammad Alakel Abazid and Mohammed Sobhy	Thermo-electro-mechanical bending of FG piezoelectric microplates on Pasternak foundation based on a four-	15

						variable plate model and the modified couple stress theory.	
			√	DOI: 10.1007/978-3-319-65181-1_2, 2017.	M. Elloumi , Janne-Kathrin Gunther and Jean Ludwig	Dual topology of the groups $U(n) \times \mathbb{H}_n$	16
			√	Int. J. of Numerical Methods and Applications, 16(1): 57-75, 2017	M. Akram, S. Saadia, A.I.K. Butt	Applications of Regularized Green's Function on Schroedinger Equation of 3D Structures with Examples	17
			√	Journal of Nonlinear Science 10(4):1524–1537 · April 2017 DOI: 10.22436/jnsa.010.04.20	Hassen Aydi, Abdelbasset Felhi, Slah SAHMIM	Common fixed points via implicit contractions on b-metric-like spaces	18
			√	Glasnik Matematicki Vol. 52(1), 147-161. · June 2017 DOI: 10.3336/gm.52.1.11	Hassen Aydi, Abdelbasset Felhi, Slah SAHMIM	A Suzuki fixed point theorem for generalized multivalued mappings on metric-like spaces	19
			√	Filomat 31:3 , 853–869 ,2017 DOI 10.2298/FIL1703853A	Hassen Aydi, Abdelbasset Felhi, Slah SAHMIM	Related Fixed Point Results for Cyclic Contractions on G-metric	20
			√	Bulletin of the Malaysian Mathematical Sciences Society, Volume 40, Issue 4, pp 1545–1557, 2017	Noômen Jarboui , Manar El Islam Toumi	Characterizing Maximal Non-Mori Subrings of an Integral Domain	21
			√	Ricerche di matematica, DOI 10.1007/s11587-016-0310-z, 2017	Noômen Jarboui , Salma Trabelsi	Pairs of integral domains with most of the intermediate rings PVD	22
			√	Ricerche di matematica, DOI 10.1007/s11587-017-0324-1, 2017	Noômen Jarboui , Basma Gasmi	A question about saturated chains of primes in Serre conjecture rings	23
			√	Filomat 31:12 , 3727–3740, 2017 https://doi.org/10.2298/FIL1712727A	Hassen Aydi, Abdelbasset Felhi, Slah Sahmim	Cirić-Berinde fixed point theorems for multi-valued mappings on α -complete metric-like spaces	24
			√		H Aydi, A Felhi, S	Cirić-Berinde Fixed Point	25

				Filomat ,31 (12).2017	Sahmim	Theorems for Multi-Valued Mappings on α - Complete Metric-Like Spaces	
			√	Glasnik matematički 52 (1), 147-161,2017	H Aydi, A Felhi, S Sahmim	A Suzuki fixed point theorem for generalized multivalued mappings on metric-like spaces	26
			√	ASIAN JOURNAL OF MATHEMATICS AND PHYSICS 1 (ISSUE 1), 5-8,2017	Abdelbasset Felhi	A Common Fixed Point Result for Multi-Valued Mappings in Spherically Complete Ultra-metric Space	27
			√	J. Adv. Math. Stud. 10 (2), 216-230,2017	Abdelbasset Felhi	New Best Proximity Results On Partial Ordered Metric Spaces	28
			√	J. Nonlinear Sci. Appl 10, 780–788, 2017	Abdelbasset Felhi	NEW GERAGHTY TYPE CONTRACTIONS ON METRIC-LIKE SPACES	29
			√	Journal of Algebra and Its Applications, 16,1,(9 pages) ,2017	Dan Anderson Omar Almallah	Commutative group rings that are présimplifiable or domainlike	30
			√	International Journal of Mathematical Modelling and Numerical Optimisation,7(3-4), pp. 259–292	Majed Chemkhi, Mohamed Jebalia and Azmi Makhoulouf	Theoretical and Numerical Study of the performance of Pincus Optimization Method	31
			√	Mathematics in Engineering, Science and Aerospace, 8(1),2017	Anis Khlaifi, Mohamed Jebalia and Anda Ionescu	Source identification of PM ₁₀ using Positive Matrix factorization in the case of a real industrial French site	32
			√	Communications in Statistics - Theory and Methods, 46, 7375-7389, 2017	Abdulhamid Alzaid Fatimah Almuhayfith Maha Omair	Bivariate Regression models based on compound Poisson distribution	33
			√	Saudi Journal of Biological Sciences Volume 24, Issue 7, November 2017, Pages	Almalki, M. A., & Khalifa, A. Y.	Description of a methanotrophic strain BOH1, isolated from Al-	34

				1704-1710		Bohyriya well, Al-Ahsa City, Saudi Arabia.	
			√	International Journal of Advanced Research. 2017, 5 (10), 124-128.	Almalki, M. A	Phytochemical screening and antibacterial activity of Cynodon dactylon against human pathogens	35
			√	Journal of Bone and Mineral Research 32.5 (2017): 913-926	Abdallah, B. M., Figeac, F., Larsen, K. H., Ditzel, N., Keshari, P., Isa, A., ... & Ohshima, T.	CRMP4 Inhibits Bone Formation by Negatively Regulating BMP and RhoA Signaling.	36
			√	Journal of forensic sciences 62.1 (2017): 239-243	Shalan, E. A., El-Moaty, Z. A., Abdelsalam, S., & Anderson, G. S.	A Preliminary Study of Insect Succession in Al-Ahsaa Oasis, in the Eastern Region of the Kingdom of Saudi Arabia.	37
			√	Applied Biochemistry and Microbiology 53.1 (2017): 94-100.	Yehia, R. S., Ali, E. M., & Al-Zahrani, A.	Feasibility of oleaginous fungi isolated from soil samples of Saudi Arabia for mycodiesel production.	38
			√	Microbial Pathogenesis 2017 https://doi.org/10.1016/j.micpath.2017.10.019 .	Khalifa, A. Y. Bekhit G	First isolation and characterization of the pathogenic Aeromonas veronii bv. veronii associated with Ulcerative Syndrome in the indigenous Pelophylax ridibundus of Al-Ahsaa, Saudi Arabia.	39
			√	African Journal of Microbiology Research, 11(10), 400-407.	Khalifa, A. Y.	(2017). Degradation of diesel-oil by a newly isolated Kocuria sediminis DDK6	40
		√		Scientific journal of King Faisal		Confinement and Storage of	41

				Universty,vol.18,2017	Osama Saber and Abdullah A. Al Jaafari	Cyanate in the Nano Scale via Nanolayered Structures	
			√	Acta Metallurgica Sinica, Accepted	Osama Saber	Fast degradation of green pollutants through nanonets and nanofibers of the Al-doped zinc oxide	42
			√	J. Phys. D: Appl. Phys. 50 435304,2017	H Mahfoz Kotb, Mohamad M Ahmad and Nouf A Alraheem	«Study of the structural" impedance spectroscopy and dielectric properties of Na and Si "co-doped NiO ceramics	43
			√	ACS Appl. Mater. Interfaces XXXX, XXX, XXX-XXX	, <u>Alhashimi M, Benyettou F O'Connor M, Pasricha R, Brandel J, Traboulsi H, Mazher J, Olsen JC, Trabolsi A</u>	Sequential Delivery of Doxorubicin and Zoledronic Acid to Breast Cancer Cells by CB Modified Iron Oxide Nanoparticles	44
			√	J. Name., 2017, 00, 1-3	F. Benyettou,a L. Motteb, H. Traboulsi,c J. Mazher,c,dR.Pasricha,aJ.-C. Olsen,eA. Trabols and E. Guenin	Palladium-loaded cucurbituril-modified iron-oxide nanoparticles for C-C cross-coupling reactions	45
			√	Procedia Computer Science 108C , 2017	Narayan Beheraa,b*, Jeevitesh. M.Sa, Justin Jose, Krinshna Kant, Alpana Dey and Javed Mazher,	Higher accuracy protein multiple sequence alignments by genetic algorithm	46
			√	Surface and coating technology, 309 (2017) 54-58	Ashraf Hassan Farha, Osman Murat Ozkendir, Hani E. Elsayed-Ali ,Ganapati Myneni, and Yüksel Ufuktepe	The effect of heat treatment on structural and electronic properties of niobium nitride prepared by a thermal diffusion method	47
			√	Applied ceramic technology, Accepted,29 June	Shehab Mansour, Ashraf	Synthesis and study of ZnO	48

				2017,	Farha , Mohamed Kotkata	nanoparticles by polymer pyrolysis 3. route using two different polymerization initiators	
			√	J of Optics, 19 (2017) 005401	O Nasr, N Chauvin, M H Hadj Alouane , H Maaref, C Bru-Chevallier, L Sfaxi ¹ and B Ilah	Carrier dynamics of strain-engineered InAs quantum dots with (In)GaAs surrounding material	49
			√	Nanoscale research letter, 2017,12450	, Hidouri T , Ezzedini M Alouane MHH , Sayari A , Shalaan E , Chauvin N , Sfaxi L , Saidi F , Al-Ghamdi A , Bru-Chevallier C , Maaref H	Detecting Spatially Localized Exciton in Self-Organized InAs/InGaAs Quantum Dot Superlattices: a Way to Improve the Photovoltaic Efficiency	50
			√	Phys. Rev. B Accepted	W A. M. Ibraheem [†] M. H. Eisa [†] , W. Adlan [§] George O. Amolo [¶] M. A. H. Khalafalla	First-principle identification of charge transition levels of native defects in BaF 2	51
			√	<u>Journal of Radiation Research and Applied Sciences</u> , July 2017, Pages 165-171 <u>Volume 10, Issue 3</u>	Abdullah Al Naim Sobhy Nisrin Alnaim S.M.Metwally S.Ibrahim	Effect of Gamma Irradiation on The Mechanical Properties of PVC/ZnO Polymer Nanocomposite	52
			√	Annals of Phys, 384 (2017) 116-127	, Abdeldjalil Merdaci Ahmed Jellal , Lyazid Chetouani	Exact Green function for neutral Pauli–Dirac particle with anomalous magnetic momentum in linear magnetic field	53
			√	Results in Physics Submitted 09/2017	, Abuzir , Alaadeen Salman , Saed	Fabrication and Micromagnetic Modeling of Barium Hexaferrite Thin	54

						Films for perpendicular Magnetic recording media	
			√	International Journal of Nanoelectronics and Materials Accepted M. Abu-Abdeen	M. Abu-Abdeen	Influence of three-hydroxy-2-naphthoic acid functionalized SWCNTs on the electrical and mechanical properties of poly (vinyl chloride)	55
			√	Chinese J Physiol. 60 (3); 183-190, 2017	G. M Mohammed· A. Sedky and H. Elsayy	A Study of the Modulating Action of Quercetin on Biochemical and Histological Alterations Induced by Lead Exposure in the Liver and Kidney of Rats	56
			√	Chinese J Physiol. 60 (1): 54-61, 2017	M. A. Al-Omair , A. Sedky, A. Ali, and H. Elsayy	Ameliorative Potentials of Quercetin against Lead-Induced Hematological and Testicular Alterations in Albino Rats.	57
√				DOI: 10.1016/B978-0-08-100372-5.00009-X In book: Science and Principles of Biodegradable and Bioresorbable Medical Polymers, Edition: 1, Chapter: 9, Publisher: Elsevier, Editors: Xiang Cheng Zhang, pp.279-294, 2017	S.M.A. Kishk and M. Gouda	Natural biodegradable medical polymers: Cellulose	58
			√	Journal of Molecular Liquids, 232 (2017) 478-498	Hany M.Abd El-Lateef , Kamal A.Soliman, Ahmed H.Tantawy	Novel synthesized Schiff Base-based cationic gemini surfactants: Electrochemical investigation, theoretical modeling and applicability as biodegradable inhibitors for mild steel against acidic corrosion	59
			√	Pol J Environ Stud. 26 (5); 1-9, 2017	A. Sedky, F. Mahboub, H.	Protective Potential of Quercetin	60

					Elsawy and R. Eid	on Cadmium induced Hepatorenal damages	
			√	J Chem Neuroanat. 86; 52-58, 2017	H. Elsayy, M. A. Al-Omair, A. Sedky and L. Al-Otaibi	Protective Effect of α -Lipoic Acid against α -Cypermethrin-Induced Changes in Rat Cerebellum	61