

ICFAS 2016 Conference Program

22 August 2016 Monday				
13:00-17:00	Conference registration			
23 August 2016 Tuesday				
08:30-	Conference registration			
09:30-10:15	Hall A			
10:15-11:00	Shaher Momani (Invited speaker)	Recent progress in the analytical and numerical treatment of partial differential equations of fractional order		
11:00-11:15	Tea and coffee break			
11:15-12:00	SESSION 1			
	Hall A Invited Speaker Omer Akin	Hall B : Chemistry Chair Metin Tulu	Hall C: Chemistry Chair M.Kasim Sener	Hall E: Physics Chair Erol Kam
11:15-11:30	Solving a Second Order Fuzzy Initial Value Problem Using Heaviside Function	Ahmet Lutfi Ugur	Hasan Yakan	Omer Polat
11:30-11:45		Aysel Koc Demir	Yusuf Yilmaz	Hasan Tuncay Ozcelik
11:45-12:00		Osman Cakmak	Merve Cakmak	Khairul Anuar Mohd. Nayan
12:00-12:15		Ismail Ocsoy	Oguzhan Avciaa	Sanaa Al-Delaimy
12:15-13:00		Ismail Ocsoy	Oguzhan Avciaa	Sanaa Al-Delaimy
13:00-13:45	Lunch			
	SESSION 2			
	Hall A Invited Speaker Muhammed Uludag	Hall B : Chemistry Chair Metin Tulu	Hall C: Chemistry Chair M.Kasim Sener	Hall D: Biology Chair Ismail Kocacaliskan
13:00-13:15	The outer automorphism of PGL(2,Z) and the induced 'modular' involution of the real line	Pinar Acar Bozkurt	Gamze Elmas	Ismail Kocacaliskan
13:15-13:30		Yasemin Sunucu Karafakioglu	Deniz Akin Sahbaz	Muhsin Arslan
13:30-13:45		Ali Erdogmus	Barbaros Nalbantoglu	Berna Kilic
13:45-14:00		Ali Erdogmus	Barbaros Nalbantoglu	Berna Kilic
14:00- 15:15	Tea and coffee break			
	SESSION 3			
	Hall A: Mathematics Chair: Mehmet Ali Akinlar	Hall B: Mathematics Chair: Meltem Uzun	Hall C: Chemistry Chair	Hall D: Biology Chair
			Hall E:Physics Chair	
		Dielectric breakdown strength of polymer- particle nanocomposites	Investigation of the acid-catalyzed hydrolysis and reaction mechanism of N-(4-substitutedaryl) phthalimides	Mueller matrix study of the non uniform liquid crystal cell
		Synthesis and characterization of polycaprolactone/montmorillonite composite scaffold containing zinc for bone tissue engineering applications	Photodegradation of organic pollutants by using novel heterogeneous photocatalysis	Spin 1/2 particles in (2+1) dimensions coupled to gravity
		Facile and versatile preparation methods for quinoline derivatives based on multiple regioselective functionalization of quinoline nucleus	Temperature effect on some surface properties of polysorbates and cetyl trimethyl ammonium bromide mixed systems	In-situ evaluation of shear strength of soft clay from shear wave velocity and damping measurements
		Synthesis of DNA aptamer conjugated magnetic graphene oxide and its use as a photo-thermal agent for killing methicillin-resistant staphylococcus aureus	Ag doped TiO2 nanoparticles prepared by hydrothermal method and coating of the nanoparticles on the ceramic pellets for photocatalytic study: Surface properties and photoactivity	Incubation time and deposition rate for films deposited by atmospheric pressure chemical vapor deposition (APCVD)
		Synthesis and characterization of Cu-doped ZnO nanostructures by sonochemical method	Syntheses, spectroscopic and stereogenic properties of N/O donor type mono-ferrocenyl-cyclotetraphosphazenes with diols	Effect of Juglone Allelochemical on Seed Germination and Seedling Growth of Zucchini (Cucurbita pepo) and Eggplant (Solanum melongena)
		The effects of taurine on aminolevulinic acid dehydratase activity in nonylphenol-induced toxicity	Blue mussel shell wastes as reinforcing filler in cold vulcanizing adhesives	Effects of thunder sound, light flash and electric fields on seed germination of wheat (Triticum aestivum), sunflower (Helianthus annuus) and pigweed (Amaranthus retroflexus)
		Investigation the photophysical and photochemical properties of phthalocyanines	Exogenously benzoic acid shows protective antioxidant roles in wheat leaves at cold stress	Effects of walnut leaf extracts prepared in different solvents on seed germination and seedling growth of wheat (Triticum vulgare) and cress (Lepidium sativum)
				Gross alpha and gross beta activity concentration in sediments in Gulf of Izmir (Eastern Aegean Sea, Turkey)
				Total cross section of ions
				The ecological analyses of Kapidag Peninsula, Avsa Island and Marmara Island: The effect of heavy metal and radioactivity on foraminifera

	Applied Mathematics	Differential Equations	Ahmet Lutfi Ugur	Ismail Kocacaliskan	Erol Kam
14:00-14:15	Ekin Deliktas	Zehra Pinar	Gül Kotan	Esmâ Ulusoy	M. Fatih Canbolat
	Propagation of love waves on a half space covered by a layer of slowly varying thickness	The quadratically cubic burgers equation: Models and analytical solutions	Comparison of theoretical properties of 1-(morpholine-4-yl-methyl)-3-(p-methylbenzyl)/(p-methoxybenzyl)-4-(4-isopropylbenzylidnamino)-4,5-dihydro-1H-1,2,4-triazol-5-one molecules	Gene Therapy and stem cell interventions: A bioethical perspective	Modified TiO2 embedded nanofibrous composites for lead removal
14:15-14:30	Irem Cay	Burcu Gurbuz	Ismail Ocsoy	Betul Akin	Tugba Sasmaz Kuru
	Turing analysis of a mathematical model for interaction between tumor cells and inhibitor	Laguerre polynomial approach for solving nonlinear Klein-Gordon equations	Green synthesis of silver nanoparticles using hydrothermal approach and their enhanced antimicrobial activity towards bacterial and fungal pathogens	Allelopathic effects leachate extracts of an invader plant species (Lythrum salicaria L.) on seed germination and seedling growth of lettuce	Al-Cd nanoparticle as a humidity sensor
14:30-14:45	Onur Kilinc	Dalah Mohamed	Gokhan Kok	Yilmaz Kaya	Fatma Kosovali Cavus
	Multi-fault detection of ball bearings in rotating machinery using Fisher linear discriminant analysis	A higher order finite difference schemes to solve reaction-diffusion equations	Novel tricyclic glycosyl donors	Marker assisted selection for resistance to tomato spotted Wilt virus in tomato genotypes by SCAR and CAPS markers	Dynamic mechanical analysis of PP/PET blends and artificial neural network modelling
14:45-15:00	Abdelkrim Merzougui	Fernane Khairedine	Ahmet Celebi	Mine Kucak	
	Free surface flow under a gate with gravity and surface tension effect	Exact solution of linear integro-differential equations with weakly singular kernel by using Taylor expansion method	Applying and importance of the microbiology in the environmental sciences and treatment technologies	Comparison of genes with increased expression in leaves of common bean grown under organic and conventional conditions	
15:00-15:15	Zekeriya Ustaoglu	Guldem Yıldız			
	On the Inversion of a Generalized Radon Transform	Direct integration and homotopy perturbation method for (2+1) dimensional breaking soliton equation			
15:15- 15:30	Tea and coffee break				
15:30- 16:15	SESSION 4				
	Hall A				
	Invited Speaker				
	Chaudry Masood Khaliq				
	Group classification of differential equations				
16:15- 16:30	Tea and coffee break				
16:30- 17:45	SESSION 5				
	Hall A: Mathematics Chair: Murat Alan	Hall B : Mathematics Chair:Ozgür Ege	Hall C: Mathematics Chair: Fatih Demirkale	Hall D: Mathematics Chair: Ahmet Bakkaloglu	Hall E: Mathematics Chair: Mehmet Fatih Karaaslan
	Geometry	Topology	Algebra	Differential Equations	Differential Equations
16:30-16:45	Ilm Kisi	Muhammet Ali Okur	Aziz Boulbot	Nadjib Boussetila	Mehmet Fatih Karaaslan
	Constant ratio quaternionic curves in euclidean 4-space E^4	Tauberian remainder theorems for the logarithmic summability method	A non local ring $F_q[e]$; $e^3=e^2$	Projected Tikhonov regularization method for Fredholm integral equations of the first kind	A hybridizable discontinuous Galerkin method for the steady state fractional advection-dispersion equation
16:45-17:00	Sezgin Buyukkutuk	Ozgur Ege	Selim Cetin	Melis Zorsahin Gorgulu	Abdullah Murat Aksoy
	A characterization of non-null curves according to parallel transport frame in Minkowski space-time	Some results on co-Hopf space structure of digital images	Simplicial Loday QD-Rinehart algebras and related structures	The Galerkin finite element method for advection diffusion equation	A numerical solution of the reaction-diffusion systems
17:00-17:15	Burcin Dogan	Muhammet Ali Okur	Fatih Demirkale	Ahmet Bakkaloglu	Yaprak Guldogan
	On totally umbilical STCR-lightlike submanifolds	Some Tauberian conditions for the (l,k) summability of integrals and sequences	On mutually pseudo-orthogonal Latin squares	Lie symmetry analysis of the stochastic interest rate models	A new application for solving large scale differential matrix riccati equations
17:15-17:30	Vahide Bulut	Hatice Gulsun Akay	Elif Ozel Ay	Lamine Nisse	Abedel-Karrem Alomari
	On the Bezier directrix curves of two developable ruled surfaces	Pullback cat^1 racks	Some properties of 2-absorbing hyperideals of Krasner hyperring	An iterative approach for the solution of nonlinear functional differential equations of fractional order	Approximate analytic solution for Lorenz system with time delay
17:30-17:45	Gozde Yaylali	Ozgur Ege	Selim Cetin		Abdullah Murat Aksoy
	The Soft Isbell Topology with some applications	C^* -algebra-valued G-metric spaces	Simplicial and $Cat1$ Leibniz-Rinehart algebras		A Taylor collocation method for the nonlinear Schrödinger equation
17:45-18:00	Tea and coffee break				
18:00-19:30	SESSION 6				
	Hall A: Mathematics	Hall B : Mathematics	Hall C: Mathematics	Hall D: Mathematics	Hall E: Mathematics

	Chair: Muttalip Ozavsar Algebra	Chair: Adem C. Cevikel Differential Equations	Chair: Elif Segah Oztas Discrete Mathematics	Chair: Murat Bekar Geometry	Chair: Ahmet Hamdi Avsar Functional Analysis
18:00-18:15	Muttalip Ozavsar	Ozlem Orhan	Ismail Aydogdu	Murat Bekar	Ahmet Hamdi Avsar
	A Z_2 -Graded Quantum Plane and its Differential Calculus	On the linearization of Ermakov-Pinney equation via generalized Sundman transformation	The structure of one weight linear and cyclic codes over $Z_2 \times (Z_2 + uZ_2)$	Dual semi-quaternions and planar motions	Trigonometric approximation in weighted Lorentz spaces by Cesàro submethod
18:15-18:30	Selim Cetin	Melis Zorsahin Gorgulu	Merve Bulut Yilgor	Yilmaz Tuncer	Oya Mert
	Commutators, Centers and Abelianization of Crossed Squares	Exponential B-splines Galerkin method for the numerical solution of the Fisher's equation	Some properties of m-spotty Rosenbloom-Tsfasman spaces	Spherical indicatrices of involute of a space curve in euclidean 3-space	Analysis of relation between convex function and starlike function
18:30-18:45	Umut Ozkaya	Tanki Motsepa	Aysegul Bayram	Murat Bekar	Arzu Akgul
	Diagnosis of diabetes risk by using artificial neural networks	Solutions and conservation laws for a generalized (2+1)-dimensional Jaulent-Miodek equation	Construction of cyclic codes over a family of non-chain rings and applications to DNA	Unit dual sphere and tangent bundle of unit 2-sphere	On a new subclass of meromorphic functions with positive and second fixed coefficients
18:45-19:00	Aziz Boulbot	Adem C. Cevikel	Elif Segah Oztas	Lijun Zhang	Mehmet Eyup Kiris
	R-prime numbers of degree k	New exact solutions of some nonlinear PDEs	Solving the reversibility problem of the DNA codes with k -bases on cyclic codes over $SF_2[u]/(u^{2^k}-1)$	Sub-manifold and traveling wave solutions of Ito's 5th-order mKdV equation	Some Generalized Inequalities for (a,m)-convex functions
19:00-19:15	Sibel Koparal	Meltem Uzun	Sumeyra Bedir		Benabderrahmane Benyattou
	On congruences with the terms of sequences $\{W_n\}$ and $\{X_n\}$	On stable difference schemes for multipoint NBVP of the hyperbolic type	Pseudo-cyclic codes with applications to DNA		Existence and behavior infinite time of solution for quasilinear parabolic equations with nonlocal boundary conditions
19:15-19:30			Mehmet Emin Koroglu		
			On quantum codes via constacyclic codes from group algebras		

24 August 2016 Wednesday

Conference excursion to Istanbul historical highlights

Bosphorus Tour

25 August 2016 Thursday

Session 7

Hall A

Invited Speaker

Dogan Kaya

A Numerical Comparison for Recent Modifications of the Decomposition Methods for Nonlinear Fractional KdV Equations

10:00- 10:45

Tea and coffee break

SESSION 7

	Hall A: Mathematics Chair: Adem Cengiz Cevikel Differential Equations	Hall B : Mathematics Chair: Banan Maayah Applied Mathematics	Hall C: Mathematics Chair: Ozgur Yildirim Topology	Hall D: Mathematics Chair: Ibrahim Demir Differential Equations	Hall E: Mathematics Chair: Yasin Ucakcan Mathematical modeling
11:00-11:15	Melike Kaplan	Rabia Aktas	Yasemin Bagci	Feda Ilhan	Muhammet Candan
	The Auto-Bäcklund transformations for nonlinear evolution equations	A note on a class of polynomials of several variables	New classes of harmonic functions defined by fractional operator	Elasto-plastic deformation of an incompressible bending plate with clamped boundary	On the notion of linear sequential dynamic system involving parameter
11:15-11:30	Ahmet Bekir	Samia Bushnaq	Merve Ilkhan	Yelda Aygar	Yasin Ucakcan
	Exact solutions of the Fisher-type equation with time-dependent coefficients	The multistep reproducing kernel Hilbert space method for solving chaotic and non-chaotic systems	A new type measure of noncompactness	Spectral theory of a quantum difference equation with hyperbolic eigenparameter	Examination of SIRS mathematic model and stability analyse
11:30-11:45	Melike Kaplan	Banan Maayah	Isil Acik Demirci	Ozkan Guner	Muhammet Candan
	Exponential rational function method for solving nonlinear evolution equations	Computational method for different types of delay differential equations based on reproducing kernel method	Eigenparameter dependent nonself-adjoint Dirac operators with transmission condition	1-soliton solutions of variable-coefficient nonlinear evolution equation	A study on existence theorem of optimal control for nonlinear sequential dynamic systems
11:45-12:00	Adem Cengiz Cevikel	Rabia Aktas	Merve Ilkhan	Yelda Aygar	Fuat Usta
	Periodic and solitary wave solutions of nonlinear evolution equations	A new two-variable analogue of Jacobi polynomials	Some new spaces of lacunary ideal convergent sequences	Studying on spectral analysis of a nonselfadjoint matrix quantum difference equation	Numerical solution of fractional elliptic PDEs by the collocation method

12:00-13:00

Free time

13:00- 14:15

SESSION 8

	Hall A: Mathematics Chair: Mirsat Yesiltepe Mathematical modeling	Hall B : Mathematics Chair: Muttalip Ozavsar Algebra	Hall C: Mathematics Chair: Ozgur Yildirim Differential Equations	Hall D: Mathematics Chair: Ibrahim Demir Statistics	Hall E: Mathematics Chair: Murat Alan Algebra
13:00- 13:15	Mohammad Al-Jamal	Oznur Oztunc Kaymak	Lamyaa Almashhadani	Mehmet Yavuz	Hatice Gulsun Akay

	Identification of source term in time-fractional diffusion equations	On primes of the form $4k+1$ and k -Fibonacci numbers	Numerical analysis of convection-diffusion processes	A study on Istanbul stock exchange participation index with Markov chain and artificial intelligence	Pro-C completions of crossed modules of commutative algebras
13:15- 13:30	Mirsat Yesiltepe	Mohmad A. Shakhatareh	Suleyman Adiyaman	Ismail Yenilmez	Murat Alan
	Social networking for mobile devices	General methods generate fuzzy equivalence relations of the form $n \times n$ matrices	On the oscillation of nonlinear fractional difference equations	Tobit regression for modeling gastric cancer	Properties of U-decomposition in modules
13:30- 13:45	Gulsah Kose	Deniz Sonmez	Omer Firat	Zohra Djeridi	Meral Yasar
	The comparison of rough set theory (RST) and fuzzy set theory (FST) as granular computing method	On weakly prime fuzzy ideals of commutative rings	New type of variational iteration method for fractional differential equations	Bayesian predictive design using the p-value for two steps experimental trials	Permanental relation between Padovan numbers and Hessenberg matrix
13:45- 14:00	Dilmi Mourad	Muttalip Ozavsar	F. Muge Sakar	Adem C. Cevikel	Murat Alan
	Nonlinear problem in a three dimensional thin domain with friction law	A Smash Product Algebra on the h -Deformed Quantum Plane	Coefficient estimates for subclasses of m -fold symmetric bi-univalent functions defined by fractional derivative	Zero-sum games with fuzzy goal	A Note on iterative construction of irreducible polynomials over finite fields with characteristic 2
14:00- 14:15	Enes Yavuz	Fuat Usta	Salah Badraoui	Ahmet Dasdemir	Hamid Benseridi
	A comparison theorem for Cesaro and Abel methods of summability of sequences of fuzzy numbers	On generalization of Sturm's theorems for conformable differential equations	Generalized result of global solutions to a class of a reaction-diffusion system	Forced vibration of the pre-stressed bi-layered plate-strip made of aluminum and steel under the action of an arbitrary inclined force	On the regularity results for the Stokes operator with mixed boundary conditions
14:15- 14:30	Tea and coffee break				
14:30 15:00	Closing ceremony				
15:00	Barbeque Party				
26 August 2016 Friday- Visit to Istanbul					
23 August 2016 Tuesday					
POSTER SESSION					
13:00-17:00	Biology				Poster no
13:00-14:00	Messaouda Boukhemis	Formulation and optimization of a growth medium containing chicken intestine hydrolyzate for Lactobacillus plantarum BH14			B-P1
	Seyda Kaya	The effect of juglone on contamination in plant tissue culture			B-P2
	Dilek Demirezen Yilmaz	Green synthesis of silver and zinc nanoparticles using of Viburnum opulus L. and their antimicrobial activities			B-P3
	Wissem Mhiri	Change in some phytohormone levels in Arabidopsis leaves in response to switch in inorganic nitrogen source			B-P4
	Ali Aydin	Biological property of Fritillaria imperialis extract			B-P5
	Sultan Cansu Gonenc	Analyzing of certain conserved miRNA in Olea europaea			B-P6
	Physics				
	Handan Tanyildizi	PET/MRI multi_x0015_modality imaging with all aspects: An evaluation study			P-P1
	Chemistry				
14:00-15:30	Mehmet Aslanoglu	A novel voltammetric sensing platform based on carbon nanofibers and nanoparticles of metals for the detection of ethylparaben in samples			C-P1
	Hilal Medetalibeyoglu	Comparison of the experimental and theoretical values of 3-ethyl/n-propyl-4-[3-(3-methoxybenzoyl)benzylideneamino]-4,5-dihydro-1H-1,2,4-triazol-5-one molecules by HF and DFT methods			C-P2
	Sinan Ozturk	The weathering of PC/ASA alloy for automotive exterior applications			C-P3
	Mehmet Salih Agirtas	Synthesis of phthalocyanines with four 4-(4-(2-Phenylpropan-2-yl)phenoxy) substituents			C-P4
	Fadime Yildirim	Antimicrobial activity of the volatile oil from Kitaibelia balansae species			C-P5
	Burcu Efe	The cytotoxicity evaluation of Melia azedarach extracts on human adipose Mesenchymal stem cells			C-P6
	Tugba Sezgin Arslan	Fabrication of human hair keratin/jellyfish collagen 3D-scaffolds for tissue engineering applications			C-P7
	Canan Onac	Transport of Cr(VI) from industrial waste water by using a polymer inclusion membrane (PIM) modified with nanomaterial graphene oxide			C-P8
	Fatma Aytan Kiliçarslan	Synthesis, characterization, spectral, aggregation and fluorescence and improved photophysical properties of (ethylsulfanyl) porphyrins containing (bpy)2RuII			C-P9
	Fatma Aytan Kiliçarslan	Synthesis, characterization, aggregation and electrochemical properties of fluoro functionality phthalocyanines			C-P10
	Irem Ergin	Green synthesis of Au / Ag Bimetallic Nanoparticles by pyrus malus fruit extract			C-P11
	Dogan Cirmi	Preparation of Pt-free polypyrrole electrodes and characterization			C-P12
	Rukan Suna Karatekin	Pt-free electrodes: Development and usage of a polyaniline electrode for controlled hydrogen evolution reaction			C-P13
	Ozge Koyun	Electrochemical determination of paracetamol in the presence of ascorbic acid and caffeine using an electrochemical treated pencil graphite electrode			C-P14

	Cisem Oz	Investigation of hydrogen production in presence of nickel ions from magnesium waste	C-P15
	Goknur Yasa Atmaca	Synthesis of new silicon phthalocyanine and spectral properties	C-P16
	Elif Caliskan Salihi	Adsorption kinetics of the removal of dipyrone from aqueous solutions	C-P17
	Sibel Eken Korkut	Synthesis and physicochemical characterization of zinc phthalocyanine by inverse gas chromatography	C-P18
	Melike Arslan	Synthesis and characterization of a new fluoro-quinoline substituted zinc phthalocyanines	C-P19
	Kadir Turhan	One-pot synthesis of various pyrimidine derivatives using Yb(OTf) ₃ catalyst under ultrasonic technique	C-P20
	Mathematics		
15:30-17:00	Brahim Khodja	Singular quasilinear elliptic systems with (sub-, super-) homogeneous condition	M-P1
	Frekh Taallah	Variational inequalities for solid mechanical contact problems	M-P2
	Smail Kelaiaia	Comparison of some set open and uniform topologies on C(X,Y)	M-P3
	Mirsat Yesiltepe	Cloud interaction and safety features of mobile devices	M-P4
	Khouni Yassine	Weak solutions of first-order differential inclusions in Banach space	M-P5
	Ammar Boukhemis	Integral representation of the generalized and the classical Bessel linear functional	M-P6
	Biroud Kheireddine	Existence and nonexistence for nonlinear problems with singular potential	M-P7
	Nehari Mohamed	Existence of minimal and maximal solutions for a second order quasilinear dynamic equation with integral boundary conditions	M-P8
	Dellal Abdelkader	Existence of solutions for p(x)-solitons type equations in several space dimensions	M-P9
	Abdelhak Berkane	On the boundary value problem for abstract first order differential equation with integral condition	M-P10
	Abbas Najati	Stability and hyperstability of functional equations	M-P11
	Mohammad Bagher Moghimi	Stability of a pexiderized functional equation of Hosszu type	M-P12
	Mourad Dillmi	Existence and regularity results for the Elasticity system with Tresca boundary condition	M-P13
	Fares Alazemi	Systemic and specific capital requirements for concentration risk at a Kuwait perspective	M-P14
	Naser Zamani	A common generalization of fuzzy primes	M-P15
	Segni Sami	Existence and uniqueness solution for an integro-differential non linear Volterra equation	M-P16