Applications and Applied Mathematics: An International Journal (AAM)

ISSN: 1932-9466

Editor-in-Chief

Dr. Aliakbar Montazer Haghighi
Professor and Head of Department of Mathematics
Marvin D. Brailsford and Mrs. June Samuel Brailsford College of Arts and Sciences
Prairie View A&M University
P. O. Box 519 - Mail Stop 2225
Prairie View, Texas 77446-0519 USA
Tel: (936) 261-1970, Fax: (936) 261-2088
E-mail: amhaghighi@pvamu.edu
Web: http://www.pvamu.edu/mathematics/faculty-staff/haghighi/

Associate Editors:

Dr. Dimitar Mishev ***Dr. Jian-ao Lian*** ***Dr. James Valles***
Department of Mathematics
Prairie View A&M University
dimichev@pvamu.edu; jilian@pvamu.edu; jrvalles@pvamu.edu

Founders and Founding Editors-in-Chiefs

Aliakbar Montazer Haghighi, Ph. D.
Professor and Head of Department of Mathematics
Brailsford College of Arts and Sciences
Prairie View A&M University
Prairie View, Texas, **USA**

Marin Stefanov Marinov, Ph. D.
Associate Professor and Former Dean
Faculty of Applied Mathematics and Informatics
Technical University of Sofia
Sofia, **Bulgaria**

AAM Board of Editors with their Expertise

No.	Name, Affiliation, Address	2010 Mathematics Subject Classification http://www.ams.org/mathscinet/msc/msc2010.html	
		Specialty	AMS-MSC No.
1	***S. Abbasbandy*** Department of Mathematics Imam Khomeini International University Ghazvin, 34149-16818, **IRAN** abbasbandy@yahoo.com;	Error Analysis, Non-Linear Algebraic Equations, Differential Equations, Partial Differential Equations	65G40, 65H, 65L, 65M, 65N, 65R20 34L, 35R
2	***Shirley Abelman*** Centre for Differential Equations, Continuum Mechanics and Applications School of Computational and Applied Mathematics University of the Witwatersrand Johannesburg, Private Bag 3, Wits 2050, **SOUTH AFRICA** shirley.Abelman@wits.ac.za;	Numerical Methods	74S
3	***Mohammad Ahsanullah*** Information Systems and Supply Chain Management Rider University 2083 Lawrenceville Road Lawrenceville, NJ, **USA** ahsan@rider.edu;	Statistical Inferences	62E10, 62M 90
4	***Haydar Akca*** Department of Applied Sciences and Mathematics College of Arts and Sciences Abu Dhabi University P.O. Box 59911, Abu Dhabi, **UAE** Haydar.Akca@adu.ac.ae; akcahy@yahoo.com; http://www.adu.ac.ae/en/article/prof-haydar-akca-cv-and-publications.html	Functional Diff Equations, Neural Networks, Non-local Problems, Wavelet-Based Algorithms, Mathematical Modelling	65L03, 92B20, 42C40, 65T60
5	***Praveen Agarwal*** Department of Mathematics Anand International College of Engineering Jaipur-303012, Rajasthan, **INDIA** goyal.praveen2011@gmail.com; goyal_praveen2000@yahoo.co.in;	Special Functions, Fractional Calculus, Integral Transform, Basic Hypergeometric Funcs, Mathematical Physics	26A33, 30A10, 30B10, 33B, C, D, E, 44A10, 44A20, 45A05
6	***Abbas Younis Al-Bayati*** President, Telafer University Mosul, **IRAQ** profabbasalbayati@yahoo.com;	Computer Oriented Algorithms, Numerical Optimization, Numerical Analysis	65Y, 74P, 97N40

7	***Bruno Apolloni*** Department of Computer Science Universita degli di Milano Via Comelico, 39 20135 Milano, **ITALY** apolloni@di.unimi.it;	Statistical Bases of Learning	62
8	***Luiza Badin*** Department of Applied Mathematics Bucharest University of Economic Studies Bucharest, **ROMANIA** luizabadin@yahoo.com; luiza.badin@csie.ase.ro;	Statistical modeling, Econometrics, Nonparametric Frontier, Estimation – Efficiency, Productivity Analysis, Cybernetic Modeling	62, 91b64
9	***Ali Hassan Shaapan Ali Bhrawy*** Department of Mathematics Faculty of Science, Beni-Suef University, Beni-Suef, **EGYPT** alibhrawy@yahoo.co.uk https://www.researchgate.net/profile/A_Bhrawy/citations	Numerical analysis Functional-differential equations Inverse problems Finite difference methods Finite elements, Rayleigh-Ritz, Galerkin and collocation methods Numerical differentiation Numerical integration Fractional derivatives and integrals Functional-differential equations with fractional derivatives Fractional partial differential equations	97N40 65L03 65L09 65L12 65L60 65D25 65D30 26A33 34K37 35R11
10	***Anjan Biswas*** Department of Mathematical Sciences Delaware State University 1200 N DuPont Hwy Dover, Delaware 19901-2277 **USA** biswas.anjan@gmail.com;	Optical Solitons, Nonlinear Optics, Plasma Physics, Fluid Dynamics, Theoretical Physics	35Q51, 25Q53, 35Q55, 35Q58, 78A60
11	***Igor A. Bolotnov*** Department of Nuclear Engineering, North Carolina State University and Oak Ridge National Laboratory. Raleigh, NC, **USA** igor.bolotnov@gmail.com; igor_bolotnov@ncsu.edu;	Engineering Physics, Cascade Modeling of Single and Two Phase Turbulence	76F55
12	***Arup Kumar Borah*** Head, Department of Mathematical Sciences R.G. Baruah College Fatasil, Ambari, Guwahati-781025, **INDIA** borah.arup@yahoo.com;	Numerical Fluid Dynamics, Numerical Analysis, Simulations	37M05, 97N40
13	***Abdellatif Bourhim*** Department of Mathematics Syracuse University 215 Carnegie Building Syracuse, NY 13244 **USA** abourhim@syr.edu;	Linear Algebra, Banach Algebra, Functional Analysis, Functional Thoery, Statistics and Probability	05C50/15A, 32A65, 46, 62

14	***Angelamaria Cardone*** Dipartimento di Matematica Università degli studi di Salerno Via Giovanni Paolo II n. 32, I-84084 Fisciano SA, **ITALY** E-mail: ancardone@unisa.it http://www.dmi.unisa.it/people/cardone http://www.unisa.it/docenti/angelamariacardone/index	Numerical solution of Volterra Integral Equations Volterra-Fredholm integral equations ODE	45D05 45B05 33E30
15	***Snehashish Chakraverty*** Department of Mathematics, Head National Institute of Technology Rourkela Rourkela - 769 008 Orissa, **INDIA** sne_chak@yahoo.com; chakravertys@nitrkl.ac.in;snechak@gmail.com;	Fuzzy Differential Equations, Neural Nets and Applications, Numerical Analysis, Vibrations, Artificial Intelligence	34A07, 35R13 62M45 65 74H45 97R40
16	***V.M. Chandrasekaran***, School of Advanced Sciences VIT University Vellore-632 014 (T.N), **INDIA** E-mail: vmcsn@vit.ac.in vmchandrasekaran@vit.ac.in;	Algebra, Mathematical Statistics, Operational Research, Queueing Models	03C05/03E20, 62E10, 90B25
17	***Paul Chiou*** Department of Mathematics Lamar University P.O. Box 10047 Beaumont, Texas 77710 **USA** paul.chiou@lamar.edu;	Bayesian Statistics, Conditional Estimation, Empirical Bayes, Reliability, Shrinkage Estimation, Receptor Modeling in Air Pollution	62 65C60
18	***Stefanka S. Chukova*** Victoria University of Wellington School of Mathematics, Statistics & Operations Research Wellington, **NEW ZEALAND** Stefanka.CHukova@vuw.ac.nz;	Information Asymmetry, Data Mining, Mathematical Models, Warranty Analysis, Reliability, Availability, Stochastic Models	60K10, 90B25, 91B70, 93A30, 97M
19	***Orion Ciftja*** Prairie View A&M University Prairie View, TX 77446 **USA** ogciftja@pvamu.edu;	Special Functions, Structure of Matter, Quantum Theory	33, 81, 82
20	***Mathieu Colin*** Mathematics Appliquees de Bordeaux Universite Bordeaux 1 351 cours de la Liberation 33405 Talence Cedex, **FRANCE** mathieu.Colin@math.u-bordeaux1.fr;	Analyses of Nonlinear PDE	32W50, 34B07
21	***Subir Das*** Department of Applied Mathematics Institute of Technology Banaras Hindu University Varanasi -221005, ***INDIA*** subir_das08@hotmail.com;	Fracture Mechanics, Mathematical Modelling, Fractional Calculus, Nonlinear Dynamics	44, 70k

22	***P. K. De*** Department of Mathematics National Institute of Technology Silchar, 788 010 **INDIA** pijusde@gmail.com;	Operations Research, Optimization Techniques Fuzzy Opti. & Decision Making, Fuzzy Set Theory, Fuzzy Mathematics Fuzzy Statistics, Wave Propagation, Mathematical Modeling, Numerical Analysis	46N10, 90Cxx, 97N60, 03E72, 90C70, 90Bxx, 62C86, 62A86, 74J15
23	***Lokenath Debnath*** School of Mathematics and Statistics The University of Texas-Rio Grande Valley 1201 W. University Drive Edinburg, TX 78539-2999 **USA** lokenath.debnath@utrgv.edu	Partial Differential Equations	32W50
24	***Hoshiyar Dhami*** Head, Department of Mathematics Coordinator CEMS Kumaun University SSJ campus Almora, **INDIA** hoshivar.dhami@kuntl.in;	Theory of Special Functions and Connected Integral Transforms	33, 65R10
25	***Krzysztof Drachal*** Faculty of Mathematics and Information Science Warsaw University of Technology ul. Koszykowa 75, 00 662 Warszawa, **POLAND** K.Drachal@mini.pw.edu.pl	Geometry Field Theory Laplace operator on fractals Manifold	58A40, 83C75,83F, 91B, 91G
26	***Mohamed O. El-Doma*** Department of Applied mathematics Faculty of mathematical Sciences University of Khartoum Khartoum, **SUDAN** biomath2004@yahoo.com;	Population Dynamics Epidemiology	92D25, 92D30
27	***Mostafa Eslami*** Department of Mathematics University of Mazandaran Babolsar, **IRAN** meslami.edu@gmail.com; eslami_mostafa@yahoo.com; mostafa.eslami@umz.ac.ir;	PDE Numerical Analysis	34L, 35R 97N4 30C30
28	***ILia B. Frenkel*** Center for Reliability and Risk Management Industrial Engineering and Management Department Sami Shamoon College of Engineering Bialik/Basel Sts. Beer Sheva 84100 **ISRAEL** iliaf@sce.ac.il;	Markov Processes, Reliability & Life Testing, Reliability, Availability, Maintenance and Inspection	60J, 62N05, 90B25

29	***George W. Grossman*** Department of Mathematics Central Michigan University Mount Pleasant, MI 48859 **USA** gross1gw@cmich.edu; george.william.grossman@cmich.edu;	Algebra, Number Theory, Numerical Analysis, Fluid Dynamics	11, 58, 65
30	***Aliakbar Montazer Haghighi*** Head, Department of Mathematics Prairie View A&M University P.O. Box 519-Mail Stop 2225 Prairie View, Texas, **USA** amhaghighi@pvamu.edu; amhaghighi@gmail.com; http://www.pvamu.edu/mathematics/faculty-staff/haghighi/	Probability, Statistics, Stochastic Processes, Operations Research, Queueing Theory	60K10, 60K15, 60K20, 60K25, 62, 62P30, 60G07, 60J05, 60J10, 60J20, 60J25, 60J27, 60J28 90B05, 90B22
31	***Gholamhossein G. Hamedani*** Department of Mathematics, Statistics and Computer Science Marquette University Katharine Reed Cudahy Hall Milwaukee, WI 53201-1881 **USA** g.hamedani@mu.edu;	Statistics, Distribution Theory	62E10, 62M 90
32	***Huiguang He*** Institute of Automation Chinese Academy of Sciences Beijing, **CHINA** huiguang.he@ia.ac.cn;	Sampling Theory, Monet Carlo Methods, Parameter Inference, Survival Analysis Medical image processing, Machine learning, Computer graphics	62C05, 62F, 62N, 65D05
33	***Md. Anwar Hossain*** Department of Mathematics University of Dhaka Dhaka, **BANGLADESH** anwar.cfd@gmail.com; dranwardu@yahoo.com;	Fluid Mechanics, Heat and Mass Transfer	97K80
34	***Natalia Hritonenko*** Department of Mathematics Prairie View A&M University L.W. Minor St. Prairie View, Texas, **USA** nahritonenko@pvamu.edu;	Optimality, Population Dynamics, Environmental Economics, Dynamic Economic Models, Growth Models	37N, 49K, 91B62, 91B76 , 92D25
35	***Anuar Ishak*** School of Mathematical Sciences Universiti Kebangsaan Malaysia 43600 UKM Bangi Selangor **MALAYSIA** anuarishak@yahoo.com; anuar_mi@ukm.my;	Boundary-Layer Theory, Separation and Reattachment, Higher-order Effects, Heat & Mass Transfer, Heat Flow	76W05, 76D10, 76N20, 80A20

36	***Md. Rafiqul Islam*** Department of Population Science & Human Resource Development Faculty of Science Rajshahi University Rajshahi-6205, **BANGLADESH** Rafique_pops@yahoo.com	Mathematical Demography, Population Dynamics, Population Growth and Distribution, Population Estimations and Projections, Population Aging, Reproductive Health	91D20, 92D25
37	***P. Jordanova*** Faculty of Mathematics and Informatics Shoumen University Shoumen, **BULGARIA** pavlina kj@abv.bg;	Theory of Probability and Stochastic Processes, Extreme Value Theory, Limit Theorems, Queuing Theory	60, 60f, 60G70, 60K25
38	***Palle Jorgensen*** Department of Mathematics The University of Iowa 14 MLH Iowa City, Iowa, **USA** Jorgen@math.uniwa.edu;	Risk Theory, Math. & Applied Statistic, Operators and Representation Theory, Canonical Models for Algebras of Operators Arising in Quantum Mechanics	91B30, 97k80
39	***Shyam L. Kalla*** Department of mathematics Kuwait University P.O. Box 5969 Safat 13060, **KUWAIT** shyamkalla@yahoo.com;	Integral Transform, Fractional Calculus, Probability Distribution, Integral Equations	33, 35, 44, 45
40	***Ali K. Kamrani*** Design and Free Form Fabrication Laboratory Industrial Engineering Department University of Houston Houston, TX 77204-4008, **USA** ali.Kamrani@mail.uh.edu ;	Geometric Modeling, Modularity and Mass Customization, Complexity Analysis, Rapid Prototyping & Manufacturing, Autonomous Robotics and Control	08B10, 19L64, 68T40
41	***Mridula Kanoria*** Department of Applied Mathematics University of Calcutta **INDIA** k_mri@yahoo.com;	Solid Mechanics, Fluid Mechanics, Mathematical Computational Techniques	76, 76A
42	***Lyudmil I. Karandzhulov*** Department of Mathematics Technical University of Sofia Kliment Ohridski St., 8 1000 Sofia, **BULGARIA** likar@tu-sofia.bg;	Linear Boundary Value Equations, Ordinary Differential Equations	47A56

43	***C. Masood Khalique*** International Institute for Symmetry Analysis and Mathematical Modelling Department of Mathematical Sciences North-West University, Mafikeng Campus Private Bag X 2046 Mmabatho 2735, **SOUTH AFRICA** E-mail: Masood.Khalique@nwu.ac.za http://www.nwu.ac.za	Lie Group Analysis Symmetries and conservative laws Differential Equations Approximate symmetries Nonlinear Sciences Mathematical Physics	34A05, 35B06, 35L65, 37J15, 37K05, 70H33, 70S05, 70S10
44	***Arif M. Khan*** Department of Mathematics Jodhpur Institute of Engineering and Technology Jodhpur (Raj), **INDIA** khanarif76@gmail.com; arif.khan@jietodhpur.com	Probability Statistics	60K10, 60K15, 60K20, 60K25, 62, 62P30
45	***Keivan Kiani*** Department of Civil Engineering K.N. Toosi University of Technology Tehran, **IRAN** k_kiani@kntu.ac.ir, keivankiani@yahoo.com	Linear Elasticity Vibrations Linear Waves Boundary Value Problems	74B,D,F,G,H 65K,L,M,N,P,T
46	***Hristo V. Kojouharov*** Department of Mathematics The University of Texas at Arlington P.O. Box 19408 Arlington, Texas, **USA** hristo@uta.edu;	Numerical Analysis Mathematical Biology	97N40
47	***Dinesh Kumar (Choudhary)*** Department of Applied Sciences and Mathematics Pratap University Chandwaji, N.H. 8 Jaipur, **INDIA** dinesh_dino03@yahoo.com; dino.dinesh03@gmail.com;	Fractional derivatives and integrals, Inequalities involving derivatives and differential and integral operators, inequalities for integrals Fractional Calculus and Special Function General transforms, Laplace transform, Transforms of special functions, Integral Transform Hypergeometric Function Mathematical Physics and Reaction-diffusion equations	26A33 35A23 30A10, 30B10, 33BXX, 30DXX, 30EXX 44A05, 44A10, 44A15, 44A20 45A05 33CXX 35K57
48	***Sunil Kumar*** Department of Mathematics National Institute of Technology Jamshedpur, 831014 Jharkhand, **INDIA** skiibhu28@gmail.com; skumar.rs.apm@itbhu.ac.in; skumar.math@nitjsr.ac.in http://nitjsr.ac.in/new/faculty/index.php?id=MTH05	Mathematical Modeling, Fractional Calculus, Integral Equation, Nonlinear Sciences, Mathematical Physics, Numerical Methods, Homotopy Analysis, Laplace Decomposition, Wavelet Methods	93A30, 26A33, 37N30, 31A10, 31B10, 14D21, 35Q, 47N40 14F35, 55Q35, 49M27, 42C40, 65T60

49	***Xiaodi Li*** School of Mathematical Sciences Shandong Normal University ji'nan, 250014, Shandong, P. R. **CHINA** sodymath@163.com; http://xiaodili.ucoz.com/index.htm;	Nonlinear Differential Equations	34K25, 34K45, 92B20
50	***Jian-ao Lian*** Department of Mathematics Prairie View A&M University L.W. Minor St. Prairie View, Texas 77446 **USA** jilian@pvamu.edu;	Armlets and Balanced Multiwavelets	42C40
51	***Wen-yan Liang*** Smart Structures and Advanced Composites Laboratory College of Aerospace and Civil Engineering Harbin Engineering University Harbin 150001, P. R. **CHINA** liangwenyan@hrbeu.edu.cn;	Viscosity, Dynamic Propagation, Elastic-viscoplastic Materials	74A45
52	***Shijun Liao*** School of Naval Architecture Ocean and Civil Engineering Shanghi Jiao Tong University 800 Dongchuan Road Shanghai, **CHINA** sjliao@sjtu.edu.cn;	Nonlinear ODEs and PDEs, Homotopy Method, Water Waves, Boundary Layer Flows	14F35
53	***Ing. Verdiana Grace Masanja*** Department of Mathematics University of Rwanda P.O. Box 117 Butare, Huye, **RWANDA** vmasanja@gmail.com;	Fluid Mechanics, Partial Diff. Equations, BVP for Elliptic and Parabolic Systems, Mathematics Education Mathematical Modeling	76A, D, W 35J56- 58 35K51, 52 35Q62, 68, 35Q 90-94 97A, 97B
54	***Toufik Mansour*** Department of Mathematics University of Haifa 31905 Haifa, **ISRAEL** toufik@math.haifa.ac.il; tmansur11@hotmail.com;	Discrete Mathematics, Kernel Method	30C40, 30G25
55	***Kh. S. Mekheimer*** Mathematics Department Faculty of Science Al-Azhar University Nasr City (11884) Cairo, **EGYPT** kh_mekheimer@yahoo.com; S_math223@hotmail.com;	Magnetohydrodynamics, Electrohydrodynamics, Physiological Flow, Numerical Methods, Physiological Flows, Electromag & Thermal Effects, Biological fluid mechanics	74F05, 74F10, 74F15, 76D, 76M 76S, 76T, 76W, 76Z05, 92C35

56	***Mohammad-Reza Meshkani*** Department of Statistics Shahid Beheshti University Evin, Tehran, 19838 **IRAN** mrmeshkani@gmail.com;	Statistics, Bayesian Statistics, Empirical Bayesian Inference, Parametric Inference, Linear Inference, Regression	62A01, 62C10, 62F, 62J, 62P
57	***Dimitar P. Michev (Mishev)*** Department of Mathematics Prairie View A&M University L.W. Minor St. Prairie View, Texas **USA** dimichev@pvamu.edu;	Ordinary Differential Equations, Partial Differential Equations, Differential Equations with Delay	34, 35, 60K25
58	***Iordan Michev (Mishev)*** Department of Mathematics SCCC, Ammerman Campus Selden, New York 11784 **USA** michevi@sunysuffolk.edu;	Mathematics Physics, Completely Integral Systems	35q51, 35q53, 35q58, 37k
59	***O. D. Miranda*** Divisão de Astrofísica Instituto Nacional de Pesquisas Espaciais Avenida dos Astronautas 1758 São José dos Campos 12227-010 SP, **BRAZIL** oswaldo@das.inpe.br;	Algebraically Special Solutions, Metrics with Symmetries, Approximation Procedures, Weak Fields, Groups of Motions, Cosmology	83C05, 83C10 83C20, 83C15 83C22, 83C35 83C25, 83C40 83C60, 83D05 83F05
60	***Mohammad Mirzazadeh*** Department of Mathematics Faculty of Mathematical Sciences University of Guilan Rasht, **IRAN** mirzazadehs2@gmail.com	Soliton solutions Nonlinear equations Soliton theory	35C08 35Q68 37K40
61	***Vishnu Narayan Mishra*** Sardar Vallabhbhai National Institute of Technology Ichchhanath Mahadev Rd. Surat, Surat (Gujarat), **INDIA** vishnunarayanmishra@gmail.com; http://www.svnit.ac.in/deptt/amhd/index.php	Fourier Analysis, Real Analysis, Approximation Theory, Asymptotic expansions, Summability Theory, Inequalities, Non-linear analysis, Special Functions, Fixed point theory, Variational inequality, q-series & q-polynomials and Operator Theory	40G05, 41A10, 41A17, 41A25, 42A16, 41A35, 41A36, 42B05, 42B08, 42A10, 47J19, 49J40, 49J53
62	***Syed Tauseef Mohyud-Din*** HITEC University Taxila Cantt, **PAKISTAN** syedtauseefs@hotmail.com; syedtauseefs@gmail.com; syedtauseefs@hitecuni.edu.pk; http://www.stmohyuddin.com;	Simulation and Numerical Modeling	81T80

63	***Zouhair Mouayn*** Department of Mathematics Faculty of Sciences and Technics (M'Ghila) University Sultan Moulay Slimane BP. 523, Béni Mellal 23000, **MOROCCO** mouayn@fstbm.ac.ma	Harmonic Analysis Partial Differential Equations Spectral Theory Group Representations Function Spaces Orthogonal Polynomials Special Functions Mathematical Physics	11K70, 32A50 32W50, 35R01 11F72, 34K08 20C35, 22D25 42B35 33C45, 33C50 32A17, 33E50 14D21
64	***Muhammad Aslam Noor*** Mathematics, COMSTAT Institute of Information Technology Islamabad, **PAKISTAN** aslamnoor@comsats.edu.pk; noormaslam@hotmail.com;	Variational Inequalities	49I40
65	***Govind Pathek*** Department of Mathematics Gov. P.G. College, Iansowne Jaiharikhal, Pauri Garhwal -246139 Uttrakhand **INDIA** pathakgovind@rediffmail.com;	Free convection, Porous medium, Boundary layer flow, Radiation, Skin friction coefficient, Oscillating plate	76D10, 76R10, 76S05
66	***Ketty Peeva*** Technical University of Sofia Sofia, **BULGARIA** kgp@tu-sofia.bg;	Fuzzy sets, Fuzzy Relational Equations	03E72
67	***Luís Nobre Pereira*** University of the Algarve Center for Spatial and Organizational Dynamics ESGHT, Campus da Penha 8005-139 Faro, **PORTUGAL** lmper@ualg.pt;	Small Area Estimation, Resampling Methods, Model Selection, Market Research	62F40, 91B40, 97N20
68	***Ines Ma del Puerto*** Department of Mathematics University of Extremadura Avda. de Elvas, s/n 06006 Badajoz, **SPAIN** idelpuerto@unex.es;	Branching Processes	60J80, 62M05
69	***Sunil Dutt Purohit*** Department of Mathematics University College of Engineering Rajasthan Technical University Kota-324010, **INDIA** sunil_a_purohit@yahoo.com;	Fractional calculus, Special functions, Integral transforms, Basic Hypergeometric functions, Geometric Function Theory, Mathematical Physics	05A30, 26A33, 30C10, 33C, 33D, 44AA10, 44A20
70	***Jianbin Qiu*** Space Control and Inertial Technology Research Center School of Astronautics, Harbin Institute of Technology P. O. Box 3015, Yikuang Street 2# Nangang District, Harbin 150080 **CHINA** jbqiu@hit.edu.cn;	Nonlinear Systems Fuzzy Systems Discrete Time	34A34, 93C42, 60J05

71	***R. K. Raina*** Department of Mathematics (Basic Sciences) College of Technology and Engineering M.P. Univ. of Agriculture and Technology Udaipur 313001 Rajasthan, **INDIA**	Fractional derivatives and integrals, special univalent and multivalent functions, higher logarithm functions, orthogonal polynomials and functions, Appell, Horn and Lauricella functions**,** Hypergeometric functions associated with root systems**,** transforms of special functions	26A33, 30C45, 30C50, 30C55, 33B15, 33B20, 33B30, 33C, 33C05, 33C15, 33C20, 33C45, 33C47, 33C50, 33C52, 33C60, 33C65, 33C67, 33C70, 44A10, 44A15, 44A20
72	***Mangey Ram*** Department of Mathematics Graphic Era University Dehradun-248002**,** Uttarakhand, **INDIA** drmrswami@yahoo.com; mangeyram@gmail.com	Markov Processes, Reliability & Life Testing, Maintenance and Inspection	60J, 62N05, 90B25
73	***Mohammad Mehdi Rashidi*** Department of Mechanical Engineering Bu-Ali Sina University P.O. Box 65175-4161 Hamedan, **IRAN** mm_rashidi@yahoo.com;	Computational Fluid Dynamic , Analysis of Nonlinear problems, Fluid mechanics for general continuum mechanics, Classical thermodynamics, Heat transfer for thermodynamics	34B15 35Q35 35Q79, 74A15, 80A10
74	***Daniel N. Riahi*** School of Mathematical and Statistical Sciences University of Texas Rio Grande Valley (Brownsville Campus) One West University Boulevard Brownsville, Texas 78520-4933 **USA** daniel.riahi@utrgv.edu;	Hydrodynamic stability, Free convection, Forced convection, Flow in porous media, Biological fluid mechanics, Rotating fluids	76E, F76R10, 76R05, 76S05, 76Z, 76U05
75	***Vivien Rossi*** CIRAD - UMR "Ecologie des Forêts de Guyane" Campus Agronomique, BP 701 97387 Kourou Cedex, **FRENCH GUIGNA** vivien.rossi@cirad.fr;	Aggregation Theory, Bayesian Models	03C68, 03C30, 62C10
76	***Pradyumn Kumar Sahoo*** Department of Mathematics Birla Institute of Technology & Science, Pilani Hyderabad Campus Jawahar Nagar, Shameerpet Mandal Hyderabad 500 078 Telangana, **INDIA** sahoomaku@rediffmail.com http://universe.bits-pilani.ac.in/hyderabad/pradyumnkumarsahoo/Profile	Relativity Cosmology	35Q75, 37N20 38DC 83F05, 85A40
77	***Hari M. Srivastava*** Department of Mathematics and Statistics University of Victoria Victoria, British Columbia V8W 3R4 **CANADA** harimsri@math.uvic.ca;	Real and Complex Analysis, Fractional Calculus, Integral Equations and Transforms, *q*-Series and *q*-Polynomials, Analytic Number Theory	11M; 26A; 30C; 33C,D,E; 44A; 45A,B.

78	***Tanuja Srivastava*** Department of Mathematics Indian Institute of Technology Roorkee - 247667, **INDIA** tanujfma@iitr.ernet.in; tanujfma@yahoo.com;	Discrete tomography; Image Processing, Reconstruction from Projections; Binary Images.	15A36, 44A12, 68U10, 94A08
79	***V.P. Srivatava*** Krishna Girls Engineering College Mandhana, Kanpur-209217 **INDIA** vijai_sri_vastava@yahoo.co.in;	Biomechanics- Stenosis, Peristaltsis and Suspension Flow	00A69
80	***Martin Tanco*** Universidad de Montevideo Montevideo, **URUGUAY** mtanco@um.edu.uy;	Design of Experiments, Algorithms, Operations Research	11K55, 62J10, 62K05, 62K15, 62K20 62K99, 90B06
81	***Hui-Chin Tang*** Department of Industrial Engineering and Management National Kaohsiung University of Applied Sciences (R.O.C.) **TAIWAN** tang@cc.kuas.edu.tw;	Random Number Generation, Fuzzy Set Theory, Approx. Methods and Neuristics System Simulation, Operations Research, Production Management	03E72, 65C10, 90C59
82	***Michail D. Todorov*** Chair of Differential Equations Faculty of Applied Mathematics and Informatics Technical University of Sofia 1000 Sofia, **BULGARIA** mtod@tu-sofia.bg;	Soliton-like equations, KdV-like equations, NLS-like equations, Soliton theory asympt behavior of solitons, Num Analysis - Applic to physics, Fluid Mech- Incomp inviscid fluids, Relativity and Gravit Theory- Comput Methods	35Q51, 35Q53, 35Q55, 37K40, 65Z05, 76B, 83-08
83	***Anna Tomova*** Department of Mathematics, Physics and Informatics Naval Academy Varna, **BULGARIA** anna_bg_2000@yahoo.com;	Set Theory	03C55
84	***Vladimir D. Tonchev*** Department of Mathematical Sciences Michigan Technological University 1400 Townsend Drive Houghton, Michigan, **USA** tonchev@mtu.edu;	Combinatorics, Coding Theory, Computer Algebra, Finite Geometry	05B, 05C25, 05E25, 05E30, 51E, 94B
85	***Meisong Tong*** School of Electonics and Information engineering Tongji University 4800 Cao'an Road Shanghai 201804, **CHINA** mtong@tongji.edu.cn;	Electrical Engineering, Electromagnetics, Numerical Techniques, RF/microwave Circuits and Systems	47N70, 49M, 74F15

86	***Cemil Tunç*** Yüzüncü Yil University Department of Mathematics Faculty of Sciences Van- **TURKEY** cemtunc@yahoo.com; tuncemil@gmail.com;	Differential Equations	12H20
87	***Stefan Ulrych*** Wehrenbachhalde 35 CH-8053 Zürich, **SWITZERLAND** stefan.ulrych@bluewin.ch;	Klein Gordon Equation Algebraic spinor Split-complex numbers	30F50
88	***Bogdan Vernescu*** Mathematical Science Department Worcester Polytechnic Institute Worcester, Massachusetts **USA** vernescu@wpi.edu;	Homogenization; Variational Calculus; Flow Through Porous Media	11J04, 26A45
89	***Hafiz Abdul Wajid*** COMSATS Institute of Information Technology Lahore, **PAKISTAN** habdulwajid@hotmail.com;	Finite Mathematics, Computational Wave, Propagation, Numerical Methods, Finite Element, Spectral Element	03C13, 11Y, 30C30, 35P, 65L60
90	***Changjin Xu*** Guizhou Key Laboratory of Economics System Simulation Guizhou University of Finance and Economics Guiyang 550004, **CHINA** xcj403@126.com;	Bifurcation, Control Delayed DE, Dynamic and neural networks, Mathematical biology	32K18, 32K25, 34K45,34C28, 34D20,92B20
91	***Gui-quiong Xu*** Department of Information Management College of International Business and Management Shanghai University Shanghai 201800, **CHINA** xugq@staff.shu.edu.cn;	Nonlinear Evolution Equations, Integrable Systems	35C08, 35P51, 35Q41, 35Q55, 35Q56, 37K10, 68W30
92	***Jun Yang*** School of Reliability and Systems Engineering Beihang University Beijing, 100191, **CHINA** tomyj2001@buaa.edu.cn; yangjun@amss.ac.cn;	Reliability & Life Testing, Reliability Availability and Maintenance, Sampling Theory, Parameter Inference, Resampling Methods, Design of Experiments	62N05, 90B25, 62C05, 62F, 91B40, 11K55
93	***Yuri Yatsenko*** Houston Baptist University Houston, Texas **USA** yyatsenko@hbu.edu	Modeling, Discrete Optimization	22E40 00A71

94	***Chi-Tsuen Yeh*** Department of Applied Mathematics National University of Tainan 33, Sec. 2, Shu-Lin St. 70005 Tainan, **TAIWAN** ctyeh@mail.nutn.edu.tw;	Fuzzy Set Theory Fuzzy Mathematics Fuzzy Regression Analysis	03E72
95	***V. A. Yurko*** Department of Mathematics Saratov State University Astrakhanskaya 83 Saratov 410026, **RUSSIA** yurkova@info.sgu.ru;	Ordinary Differential Equations, Inverse Problems	34A, B, L, 47E05
96	***Liancun Zheng*** School of Mathematics and Physics University of Science and Technology Beijing, **CHINA** liancunzheng@sina.com; lianczheng@gmail.com;	Diffusion and Convection	76R
97	***Changrong R. Zhu*** Ryerson University Toronto, Ontario, M5B 2K3, **CANADA** changrongzhu97@gmail.com;	Dynamical System	11S82