

**TABLE OF CONTENTS, JOURNAL OF APPLIED FUNCTIONAL
ANALYSIS, VOLUME 6, 2011**

**TABLE OF CONTENTS, JOURNAL OF APPLIED FUNCTIONAL
ANALYSIS, VOLUME 6, NO.1, 2011**

| | |
|---|----|
| Control of Chaos in rotational motion of a satellite in an Elliptic orbit under the influence of third body torque, Ayub Khan and Mohammad Shahzad,..... | 11 |
| Error Estimates of Spectral Collocation Method for the Coupled Korteweg-de Vries Equations, Abdur Rashid and Ahmad Izani Bin Md. Ismail,..... | 17 |
| Non-ergodic dynamics of Nanosystems, V.A. Benderskii, E. I. Kats,..... | 26 |
| Strategic systems Planning by Experienced Managers, Nasser Fegh-hi Farahmand,..... | 37 |
| On the distribution of zeros of exponential polynomials and Shapiro conjecture, H. Abbas and A. Hajj-Diab,..... | 48 |
| Electrodeposition of silver-indium alloys: An example of non-linear dynamic process, Ts.Dobrovolska et al,..... | 57 |
| Numerical-Analytical method for solving Fractional Chaotic system, A.K. Alomari,..... | 65 |
| A model representing biochemical substances exchange between cells. Part I: Model Formalization, I. Balasz, D. T. Mihailovic,..... | 70 |
| A model representing biochemical substances exchange between cells. Part II: Effect of Fluctuations of Environmental Parameters to behavior of the Model, D. T. Mihailovic, I. Balasz,..... | 77 |
| Explicate Series Solution for Prey-Predator problem, N. Alshibly, A.K. Alomari,..... | 85 |
| The Modern Firm: A strange Chaotic Oscillator, S. Bouali,..... | 91 |

**TABLE OF CONTENTS, JOURNAL OF APPLIED FUNCTIONAL
ANALYSIS, VOLUME 6, NO.2, 2011**

| | |
|---|-----|
| Conformational Behaviour of Tunable Biopolymers: Elastin-Like Polypeptides, H.Arkin, M.Bilsel,..... | 115 |
| Nonlinear Behavior Identification of a Gas-solid Fluidized bed using S-Statistics, M. Karimi et al,..... | 122 |
| Some aspects of the generalized Quantum kicked Rotator, A. Gharaati, H. Boroumandy,..... | 130 |
| Solution of sixth-order boundary value problem using non-polynomial spline in off step points, K. Farajeyan, L. Khayyati,..... | 138 |
| Chaotic structure test and Predictability Analysis on Traffic Time series in the city of Istanbul, U. Yankaya,..... | 145 |
| Algebraic structures arising in Statistical Mechanics, A. M. Scarfone,..... | 155 |
| The Chaotic point works as Qubits in high temperature superconductors, Z.G. Ozdemir,..... | 165 |
| Approximate solutions of eighth-order BVPs by Homotopy Analysis method and its modification, A. Sami Bataineh,..... | 173 |
| The Approximate Analytic solutions for free vibrations of a mass grounded by Linear and Nonlinear springs in series, M.Bayat et al,..... | 182 |

**TABLE OF CONTENTS, JOURNAL OF APPLIED FUNCTIONAL
ANALYSIS, VOLUME 6, NO.3, 2011**

| | |
|--|-----|
| Absolute stability of uncertain Fractional order Control Systems, C. Yeroglu, N. Tan,..... | 211 |
| Stokes Fluid surrounding a Viscoelastic suspension with short memory, F. Bentalha,..... | 219 |
| Approximate Analytical solutions of nonnatural and Nonlinear Vibration systems using He's variational approach method, I. Pakar et al,..... | 225 |
| Simulation of the behavior Dynamics of a Diesel engine under load, E. Tireli et al,..... | 233 |
| Minimum Entropy control of Chaos via application of particle Swarm Optimization method, M. Sadeghpour,..... | 241 |
| Bifurcation analysis of resource coupled Rossler systems, J.L. Laugesen, E. Mosekilde,..... | 250 |
| Multiple scales Lindstedt Poincare method for strongly nonlinear forced Oscillations, M. Pakdemirli, M. Fatih Karahan,..... | 258 |
| Exact Travelling Wave solutions for $(2n+1)$ -dimensional coupling Boiti-Leon-Pempinelli system, A. Neirameh, N. Taghizadeh,..... | 266 |
| Solving Fractional Disturbance equation of distributed order using La-Transform, A. Aghili, A. Ansari,..... | 272 |
| Maximum principles for nonhomogeneous elliptic systems, M. Almahameed,..... | 280 |

**TABLE OF CONTENTS, JOURNAL OF APPLIED FUNCTIONAL
ANALYSIS, VOLUME 6, NO.4, 2011**

| | |
|---|-----|
| Traveling wave solution for a non-linear Diffusive Partial Differential Equation, O.Ghalyoun, M.Abualrub,..... | 308 |
| A study on some new q-integral Inequalities, W. T. Sulaiman,..... | 314 |
| An extended multiple Hardy-Hilbert's integral Inequality, W. T. Sulaiman,..... | 324 |
| On the Green Function of the operator related to the Bessel Helmholtz operator and the Bessel Klien-Gordon operator, W. Satsanit,..... | 331 |
| On unconditional atomic decompositions in Banach spaces, S.K. Kaushik, S.K. Sharma,..... | 343 |
| Complete convergences of rowwise r-mixing sequences of random variables, G-hui Cai,..... | 356 |