

INDEX TO DEFENCE SCIENCE JOURNAL, VOLUME 66, 2016

TITLE INDEX

- A Concept of a Probable Autoinjector for Bio-threat Agents, 464
- A Framework for Efficient Routing in MANET using Index Routing Tables-based Algorithms, 568
- A Modular and Integrated Optimisation Model for Underwater Vehicles, 71
- A Novel CFD Method to Estimate Heat Transfer Coefficient for High Speed Flows, 203
- A Novel Method for the Synthesis of Core-shell Magnetic Nanoparticle, 291
- A Thermal Cycling Route for Processing Nano-grains in AISI 316L Stainless Steel for Improved Tensile Deformation Behaviour, 529
- Abrasive Water Jet Machining of Carbon Epoxy Composite, 522
- Aerodynamic Characterisation of Ramjet Missile through Combined External-internal Computational Fluid Dynamics Simulation, 624
- AlPO₄-C Composite Coating on Ni-based Super Alloy Substrates for High Emissivity Applications : Experimentation on Dip Coating and Spray Coating, 425
- An Android Malware Detection Framework-based on Permissions and Intents, 618
- An Authenticated Key Agreement Scheme using Vector Decomposition, 594
- Application of *cis*-1,3,4,6-Tetranitrooctahydroimidazo-[4,5d] Imidazole (BCHMX) in EPX-1 Explosive, 499
- Application of Quantitative Measures for Analysing Aircraft Handling Qualities, 03
- Asynchronous Message Transmission Technique for Latency Requirements in Time Critical Ship-borne System, 26
- Attack Graph Generation and Analysis Techniques, 559
- Austenitic Oxide Dispersion Strengthened Steels : A Review, 316
- Bactericidal Efficacy of *Allium sativum* (garlic) Against Multidrug Resistant *Vibrio cholerae* O1 Epidemic Strains, 479
- Bioactive Hybrid Composite Membrane with Enhanced Antimicrobial Properties for Biomedical Applications, 434
- Biological Warfare Agents and their Detection and Monitoring Techniques, 445
- Biometrics in Cyber Security, 600
- Blast Valve Design and Related Studies : A Review, 242
- Charpy Impact Response of the Cracked Aluminum Plates Repaired with FML Patches using The Response Surface Methodology, 536
- Circular Patch Antenna with Defected Ground for UWB Communication with WLAN Band Rejection, 162
- Comparison of 3D Versus 4D Path Planning for Unmanned Aerial Vehicles, 651
- Computational Fluid Dynamics Simulation of Combustion Instability in Solid Rocket Motor: Implementation of Pressure Coupled Response Function, 216
- Contrast Enhanced Low-light Visible and Infrared Image Fusion, 266
- Control Flow Graph Based Multiclass Malware Detection Using Bi-normal Separation, 138
- Cryptanalytic Attacks on International Data Encryption Algorithm Block Cipher, 582
- Damages Identification in the Cantilever-based on the Parameters of the Natural Oscillations, 44
- Dependence of Shape and Geometry of Microelectrodes in Manipulating Polarizable Particles like DNA through Electro-kinetic Effects, 307
- Depth Enhancement of an Underwater Towed System using Hydrodynamic Depressor, 546
- Design, Testing, and Realisation of a Medium Size Aerostat Envelope, 93
- Development and Testing of a Closed Loop Feedback Controlled Magnetorheological Fluid Antivibration Mount for Onboard Naval Applications, 374
- Development of a Polymerase Chain Reaction Assay for Detection of *Burkholderia mallei*, a Potent Biological Warfare Agent, 458
- Dynamic Analysis of HSDB System and Evaluation of Boundary Non-linearity through Experiments, 210
- Effect of Ag⁺ ion Concentration on the Reaction Kinetics and Shape of Nanoparticles Synthesised by Green Chemical Approach, 368
- Effect of Fe on the Martensitic Transition, Magnetic and Magnetocaloric Properties in Ni-Mn-In Meltspun Ribbons, 403
- Effect of Lanthanum Substitution on the Structural, Dielectric, Ferroelectric, and Piezoelectric Properties of Mechanically Activated PZT Electroceramics, 360
- Effect of L-carnitine and *Hoodia gordonii* Supplementation on Metabolic Markers and Physical Performance under Short Term Calorie Restriction in Rats, 11
- Effect of Mn Concentration on Magneto-mechanical Properties in Directionally Solidified Ferromagnetic Shape Memory Ni-Mn-Ga Alloys, 391
- Effect of Nano Cr₂O₃ in HTPB/AP/A1 Based Composite Propellant Formulations, 100
- Effect of Noise on Practical Quantum Communication Systems, 186
- Effect of Rotor Blade Geometry on the Performance of Rotary-Winged Micro Air Vehicle, 638

- Effect of Spacer and the Enzyme-linked Immunosorbent Assay, 471
- Elliptical Antenna Array Synthesis Using Backtracking Search Optimisation Algorithm, 272
- Emerging areas of Nano and Smart Materials, 289
- Energy Efficient MANET Protocol Using Cross Layer Design for Military Applications, 146
- Error Analysis in Spin Measurement using Synchro-ballistic Method and its Improvement, 236
- Experimental and Numerical Correlation of Impact of Spherical Projectile for Damage Analysis of Aero Engine Component, 193
- Experimental and Numerical Investigations of Thermal Ignition of a Phase Changing Energetic Material, 228
- Finite Element Method-based Design and Simulations of Micro-cantilever Platform for Chemical and Bio-sensing Applications, 485
- Generative Model for Conceptual Design of Defence Equipment, 81
- Harvesting Power Through Random Vibrations of Aerospace Vehicles from Nanostructured La-Pb(Ni_{1/3}Sb_{2/3}) - PbZrTiO₃ Ferroelectric Ceramics, 353
- High Density Impulse Noise Detection using Fuzzy C-means Algorithm, 30
- Highly Sensitive Electrical Metamaterial Sensor for Fuel Adulteration Detection, 421
- Highly Sensitive NO₂ Detection and DMMP Sensing at Room Temperature using Flexible SWNT Thick Film Sensor, 413
- Impact of Background Radiation on the Long Wave Infrared Radiation Characteristics of Aircraft at High Altitude, 51
- Implementation of a System for Physiological Status Monitoring by using Tactical Military Networks, 517
- Key Authentication Scheme-based on Discrete Logarithms and Chinese Remainder Theorem, 590
- Load Balanced Clustering Technique in MANET using Genetic Algorithms, 251
- Localisation and Pre-calculation for Anti-missile Defence Shield System, 37
- Looming Threat of Chemical and Biological Warfare Agents, 443
- Low Acceleration Overload Catapult Technique for Throwing the Small Scout Robot, 504
- Microstructural and Compositional Characterisation of Electronic Materials, 341
- Multi-object Tracking in Aerial Image Sequences using Aerial Tracking Learning and Detection Algorithm, 122
- Multiplicative Error State Kalman Filter vs Nonlinear Complementary Filter for a High Performance Aircraft Attitude Estimation, 630
- Narrow Band Interference Elimination based on Compressed Sensing in UWB Energy Detector, 168
- Neuro-Fuzzy-based Improved IMC for Speed Control of Nonlinear Heavy Duty Vehicles, 665
- Objective Evaluation Method for Chlorine Detector Tubes, 107
- On the Number of Integer Recurrence Relations, 605
- On the Removal of Steganographic Content from Images, 574
- Outlier Detection Method on UCI Repository Dataset by Entropy Based Rough K-means, 113
- PICO : An Ultra Lightweight and Low Power Encryption Design for Ubiquitous Computing, 259
- Post Boost Track Processing Using Conventional DBMS Software, 130
- Profile-based Maximum Penalised Likelihood Trajectory Estimation from Space-borne LOS, 278
- Prospects of Emerging Engineered Oxide Nanomaterials and their Applications, 323
- Quality Metrics and Reliability Analysis of Laser Communication System, 175
- Recent Developments on Synthetic Jets, 489
- Ride Dynamics of a Tracked Vehicle with a Finite Element Vehicle Model, 19
- Role of Threaded Tool Pin Profile and Rotational Speed on Generation of Defect Free Friction Stir AA, 2014 Aluminium Alloy Welds, 57
- Rough Set-Hypergraph-based Feature Selection Approach for Intrusion Detection Systems, 612
- Self-affine Fractal Modelling of Aircraft Echoes from Low-resolution Radars, 151
- Shear Thickening Behaviour of Composite Propellant Suspension under Oscillatory Shear, 222
- Special Issue on Cyber Security, 557
- Structure-property Characterisation at Nanoscale using *In-situ* TEM and SEM, 381
- The Humoral Immune Response to Various Domains of Protective Antigen of *Bacillus anthracis* in Cutaneous Anthrax Cases in India, 645
- Ultra-tight GPS/IMU Integration based Long-Range Rocket Projectile Navigation, 64
- Using Modelling and Simulation to Predict Dynamics of Converted Ground Vehicle, 509
- Virtual Prototyping and Development of Rotary Field Ferrite Phase Shifter, 156

AUTHOR INDEX

- Abhishek, *see* Bhatnagar, Kirti
 Achkoski, Jugoslav, *see* Stevanoski, Goce
 Agarwal, R. 485
 Aggarwal, Meenakshi, 156
 Agrawal, Sumit K. *see* Sathe, Manisha
 Alam, M. *see* Sahani, Prem
 Amritha, P.P. 574,
 Anaraki, Ali Pourkamali, *see* Ghasemi, Faramarz Ashenai
 Ansari, A.Q. *see* Kour, Jaspreet
 Arica, Nafiz, *see* Cicibas, Halil
 Arumugam, S. *see* Kumar, D.M. Raj
 Ashok, P. 113
 Babu, D.R. Ramesh, *see* Malagi, Vindhya P.
 Balamurugan, V. *see* Jothi, S.
 Balasubramanian, K. *see* Davis, Abin
 see Kumar, H.H.
 Banerjee, D. *see* Rao, D.V. Sridhara
 Banerjee, Souri, *see* Ghonge, Sudarshan
 Bansod, G. 259
 Barik, Mridul Sankar, 559
 Basu, Aniruddha, 130
 Basu, Souraseni, *see* Bhandarkar, Anand
 Bhandarkar, A. 203
 Bhandarkar, Anand, 624
 Bhaskar, A.S.B. *see* Geetha, R.V.
 Bhat, K. Mahadeva, *see* Rao, D.V. Sridhara
 Bhatnagar, D. *see* Jangid, K.G.
 Bhatnagar, Kirti, 638
 Bhattacharya, B. *see* Singh, D.
 Bhattacharyya, S.K. *see* Vasudev, K.L.
 Bhauprasad, V.V. *see* Roy, Subir
 Bhongale, C. *see* Singh, D.
 Birajdar, Gajanan, K. *see* Patil, Priyanka G.
 Chakraborty, D. *see* Bhandarkar, A.
 see Saha, S.
 see Bhandarkar, Anand
 Chandrakar, K. 210
 Chatterjee, P.K. *see* Murugan, T.
 Chaturvedi, Poornendu, *see* Kumar, Deepak
 Chaudhury, P.K. *see* Kumar, Deepak
 Cherpakov, A.V. 44
 Chouksey, Abhilasha, *see* Kumar, Deepak
 Cicibas, Halil, 651
 Das, Dipak, *see* Roy, Subir
 Davis, Abin, 434
 Deepu, M. *see* Shukla, P.
 Demir, Kadir Alpaslan, *see* Cicibas, Halil
 Dey, Santanu, *see* Murugan, T.
 Deyashi, Monami, *see* Murugan, T.
 Dhabbe, Kashinath, *see* Kshirsagar, Dhirendra
 Dhanawade, Ajit, 522
 Dharavath, M. *see* Bhandarkar, A.
 Dhavale, Sunita, *see* Kapoor, Akshay
 Dombe, G. *see* Singh, D.
 Durai, L. *see* Kamal, S.S. Kalyan
 Durmus, A. *see* Guney, K.
 Elbeih, Ahmed, 499
 Elshenawy, Tamer, *see* Elbeih, Ahmed
 Fernando, D. Chandru, *see* Majila, Anuradha Nayak
 Francis, Roni, *see* Vinod, P.
 Gangwar, Jitendra, 323
 Geetha, R.V. 464
 Ghasemi, Faramarz Ashenai, 536
 Ghonge, Sudarshan, 307
 Ghorpade, Ramrao, *see* Sathe, Manisha
 Ghosal, P. *see* Kamal, S.S. Kalyan
 see Kumar, Ajeet
 see Sarkar, Rajdeep
 see Singh, R.K.
 Ghosal, Partha, 289
 Ghosh, A.K. *see* Kumar, A.
 Gobara, Mohamed, *see* Elbeih, Ahmed
 Goel, A.K. 443
 see Kumar, Pramod
 see Pal, V.
 see Varshney, Anshul
 see Agarwal, R.
 Goncharov, O.U. *see* Cherpakov, A.V.
 Gothandapani, Karthick, *see* Raman, Lavanya
 Gricenko, V.V. *see* Cherpakov, A.V.
 Gundalaswathi, 568
 Guney, K. 272
 Gupta, Bipin Kumar, *see* Gangwar, Jitendra
 Gupta, Indivar, 557
 Hadi, S. Aghdasni, *see* Saeedvand, Saeed
 Hammandlu, M. *see* Kour, Jaspreet
 Hebbar, Archana, 03
 Huang, Wei, 51
 Jadhav, Vikas, *see* Sahu, Harish Kumar
 Jain, Meenu, *see* Kumar, Pramod
 Jain, Rajeev, *see* Majila, Anuradha Nayak
 Jain, Shikha, *see* Kamali, C.
 Jain, Swati, 11
 Jaiswal, Y.K. *see* Pal, Vijai
 James, A.R. *see* Kumar, Ajeet
 Janaki, V. *see* Kumaraswamy, P.
 Jangid, K.G. 162
 Jawale, Lalita, *see* Kshirsagar, Dhirendra
 Jha, Pika, *see* Kumar, Deepak
 Ji, Hong-hu, *see* Huang, Wei
 Jiang, Tao, *see* Wang, Jianzhong
 John, Reji, 374

- Joseph, J. *see* Kumar, K. Ajith
 Jothi, S. 19
- Kale, S.N. *see* Rawat, Vaishali
 Kaliappan, M. 251
 Kalmekar, R.V. *see* Dhanawade, Ajit
 Kamal, S.S. Kalyan, 368
 Kamali, C. 630
 Kannan, K. *see* Raman, M.R. Gauthama
 Kapoor, Akshay, 138
 Khetto, Nabil, 509
 Khire, Vrushali, *see* Kshirsagar, Dhirendra
 Kobliha, Zbynek, *see* Rozsypal, Tomas
 Koceski, Saso, *see* Stevanoski, Goce
 Kocev, Ivica, *see* Stevanoski, Goce
 Kour, Jaspreet, 600
 Krishnan, R. *see* Amritha, P.P.
 Kshirsagar, Dhirendra, 100
 Kulhar, V.S. *see* Jangid, K.G.
 Kumar, A. 93
 Kumar, Ajeet, 360
 Kumar, Atul, *see* Sarkar, Rajdeep
 Kumar, B. Ravi, *see* Nanda, Tarun
 Kumar, D.M. Raj, 403
 Kumar, Deepak, 413
 see Rao, D.V. Sridhara
 see Sarkar, Rajdeep
 Kumar, H.H. 353
 Kumar, K. Ajith, 81
 Kumar, M. *see* Varshney, Anshul
 Kumar, Pramod, 479
 Kumar, Shailendra, *see* Dhanawade, Ajit
 Kumar, Shiv, *see* John, Reji
 Kumar, Yogesh, 605
 Kumaraswamy, P. 590
 Kurva, Ramesh, *see* Kshirsagar, Dhirendra
 Lal, Harbans, *see* Sharma, P.K.
 Li, Q.S. 151
 Li, Zhipeng, *see* Zhao, Handong
 Liu, B. *see* Shen, T. Yi, Z.
 Liu, X.Y. *see* Li, Q.S
 Lonkar, C.M. *see* Kumar, H.H.
 Majila, Anuradha Nayak, 193
 Malagi, Vindhya P. 122
 Manna, P. *see* Bhandarkar, A.
 see Bhandarkar, Anand
 Mariappan, E. *see* Kaliappan, M.
 Matheru, B.S. *see* Aggarwal, Meenakshi
 Mathur, R.P. *see* Singh, R.K.
 Mazumdar, Chandan, *see* Barik, Mridul Sankar
 Mehilal, *see* Kshirsagar, Dhirendra
 Mehilal, *see* Singh, D.
 Meshram, Suresh D. 57
 Mishra, P. *see* Rao, D.V. Sridhara
 Mishra, P.R. *see* Gupta, Indivar
 Mohan, K. Malar, *see* Jothi, S.
- Mohapatra, S. *see* Sahani, Prem
 Mondal, Chandan, *see* Sarkar, Rajdeep
 Mukherji, D. 291
 Mukhiya, R. *see* Agarwal, R.
 Muraleedharan, K. *see* Rao, D.V. Sridhara
 Muralidharan, R. *see* Rao, D.V. Sridhara
 Murty B.S. *see* Raman, Lavanya
 Murty, M.S.R. Chandra, *see* Bhandarkar, A.
 Murugan, T. 489
 Muthu , S. Esakki, *see* Kumar, D.M. Raj
 Muttoo S.K. *see* Verma, Sushma
 Muzdeka, Slavko, *see* Khetto, Nabil
 Nadkarni, Vihang, *see* Rawat, Vaishali
 Nanda, Tarun, 529
 Nandagopan, O.R. *see* Vinod, P.
 Nawaz, G.M Kadhar, *see* Ashok , P.
 Padmavathi, S. *see* Raj, A. Arockia, Bazil
 Pal, S.K. *see* Raman, M.R. Gauthama
 Pal, V. 445
 Pal, Vijai, 458
 Panda, H.S. *see* Sahani, Prem
 Paramasivan, B. *see* Kaliappan, M.
 Pashilkar, Abhay A. *see* Hebbar, Archana
 Patel, B.P. *see* Sharma, P.K.
 Pati, Bibudhendu, *see* Rath, Mamata
 Patil, A. *see* Bansod, G.
 Patil, Priyanka G. 168
 Pattanayak, Binod Kumar, *see* Rath, Mamata
 Pei, J.H. *see* Li, Q.S.
 Pillai, N.R. *see* Kumar, Yogesh
 Pisharoty, N. *see* Bansod, G.
 Prabha, I. Santhi, *see* Teku, S. K.
 Prabhasuthan, P. *see* Vinod, P.
 Prakash, M. Viju, *see* Kaliappan, M.
 Prasad, V.V. Bhanu, *see* Kumar, Ajeet
 Prashanth, K.V.T.K.N. *see* Kumaraswamy, P.
 Praveen, I. 594
 Prerna Gaur, *see* Yadav, Anil Kumar
 Puranik, Nidhi, *see* Varshney, Anshul
 Rai, G.P. *see* Pal, Vijai
 Raissi Sadigh, *see* Ghasemi, Faramarz Ashenai
 Raj, A. Arockia, Bazil, 175
 Raja, M. Manivel, *see* Kumar, D.M. Raj
 Raja, M. Manivel, *see* Singh, R.K.
 Rajeev, K. *see* Praveen, I.
 Rajendran, P. *see* Chandrakar, K.
 Raju, K.C. James, *see* Kumar, Ajeet
 Ramachandra, S. *see* Majila, Anuradha Nayak
 Raman, Lavanya, 316
 Raman, M.R. Gauthama, 612
 Ramanathan, H. *see* Kumar, K. Ajith
 Rana, Subhas Chandra, *see* Murugan, T.
 Rangarajan, Krishnan, *see* Malagi, Vindhya P.
 Rao, A. Venugopal, *see* Meshram, Suresh D.
 Rao, C.V. Guru, *see* Kumaraswamy, P.

- Rao, D.V. Sridhara, 341
 Rao, N.V. Rama, *see* Kumar, D.M. Raj
 Rao, S. Koteswara, *see* Teku, S. K.
 Rath, Mamata, 146
 Rawat, J.S.B.S. *see* Kumar, Deepak
 Rawat, Vaishali, 421
 Reddy, G. Madhusudhan, *see* Meshram, Suresh D.
 Reddy, S. Rangaswamy, *see* Roy, Subir
 Roy, Anitha, *see* Geetha, R.V.
 Roy, Subir, 425
 Rozsypal, Tomas, 107
- Saeedvand, Saeed, 37
 Saha, S. 216
 Saha, Sabyasachi, *see* Sarkar, Rajdeep
 Sahani, Prem, 236
 Sahoo, P.K. *see* Kamal, S.S. Kalyan
 Sahu, Harish Kumar, 582
 Sankarasubramanian, R. *see* Rao, D.V. Sridhara
 Saravanakumar, M. *see* Kumar, K. Ajith
 Saravanan, R. *see* Gundalaswathi
 Sarkar, Rajdeep, 381
 Sarkar, Rajdeep, *see* Kumar, Ajeet
 Sarkar, S. *see* Sahani, Prem
 Sathe, Manisha, 471
 Sati, S.C. *see* Kumar, A.
 Satyanarayana , C. *see* Chandrakar, K.
 Saxena, V.K. *see* Jangid, K.G.
 Sengupta, Anirban, *see* Barik, Mridul Sankar
 Senthilkumar, S. *see* Geetha, R.V.
 Sethumadhavan, M. *see* Amritha, P.P.
 see Praveen, I.
 Seyed, Naser Razavi, *see* Saeedvand, Saeed
 Sharma, M.K. *see* Agarwal, R.
 see Pal, V.
 Sharma, P.K. 242
 Sharma, R. *see* Agarwal, R.
 see Vasudev, K.L.
 Sharma, R.K. *see* Kumar, Yogesh
 see Sahu, Harish Kumar
 Sharma, S.K. *see* Pal, V.
 Sharma, Vijay, *see* Jangid, K.G.
 Sharma, Vishal, 186
 Shen, T. Yi, Z. 278
 Shi, Jiadong, *see* Wang, Jianzhong
 Shrivastava, N. P.26
 Shrotriya, S. *see* Shrivastava N. P.
 Shukla, P. 228
- Sindhuja, P. *see* Roy, Subir
 Singh, D. 222,
 Singh, Isha, 30
 Singh, P.P. *see* Singh, D.
 Singh, R.K. 391
 Singh, Sandeep, *see* Pal, Vijai
 Singh, Som Nath, *see* Jain, Swati
 Singh, V. *see* Rao, D.V. Sridhara
 Singh, Vishal, *see* Nanda, Tarun
 Soloviev, A.N. *see* Cherpakov, A.V.
 Sonavane, Shefali, *see* Sahu, Harish Kumar
 Srinivasan, T. *see* Rao, D.V. Sridhara
 Sriram V.S. Shankar, *see* Raman, M.R. Gauthama
 Srivastava, Avanish Kumar, *see* Gangwar, Jitendra
 Srivastava, Shruti, *see* Sathe, Manisha
 Stevanoski, Goce, 517
 Sudhir, *see* Kshirsagar, Dhirendra
 Suresh, K.G. *see* Kumar, D.M. Raj
- Tandon, R.P. *see* Kumar, Deepak
 Teku, S. K. 266
 Temelkovski, Boban, *see* Stevanoski, Goce
 Tiwari, Ajay, *see* Jangid, K.G.
 Tiwari, Arvind Kumar, *see* Pal, Vijai
 Trifkovic, Dragan, *see* Khetto, Nabil
 Tyagi, R. *see* Rao, D.V. Sridhara
- Vanani, Lotfali Mozaffari, *see* Ghasemi, Faramarz Ashenai
 Varshney, Anshul, 645
 Vasudev, K.L. 71
 Venkateshwara, Rao P.L. *see* Chandrakar, K.
 Verma, Om Prakash, *see* Singh, Isha
 Verma, Sushma, 618
 Vijayaraghavan, R. *see* Geetha, R.V.
 Vimala, J. *see* Kamal, S.S. Kalyan
 Vinayak, S. *see* Rao, D.V. Sridhara
 Vinod, P. 546
- Wang, Jianzhong, 504
 Wang, Z. *see* Shen, T. Yi, Z.
- Yadav, Anil Kumar, 665
 Yadav, Jayprakash, *see* Kumar, Pramod
 Yadav, Preeti, *see* Kumar, Pramod
 Yadava, Pramod Kumar, *see* Kumar, Pramod
 Yi, D. *see* Shen, T. Yi, Z.
- Zhao, Handong, 64