

Handbook of Research on Natural Computing for Optimization Problems

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7	A comparison among multi-agent stochastic optimization algorithms for state feedback regulator design of a twin rotor MIMO systems	Kaushik Das Sharma	kdsaphy@caluniv.ac.in	Department of Applied Physics, University of Calcutta, India
8	Insilico Molecular Modelling, Interactive Discern and Mutational Variations Accompanied by Structure Optimization involving SOX11 and DNA: A Computation and Bioinformatics approach in the Neurogenic Field for Cell Fate Decisions	Arundhati Banerjee, Sujay Ray	arundhati.92star@gmail.com raysujay@gmail.com	Department of Biotechnology, National Institute of Technology, Mahatma Gandhi Avenue, Durgapur, West Bengal, India Department of Biochemistry and Biophysics, University of Kalyani, Kalyani, Nadia, India
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16	A Hybrid FLANN Model with Firefly Algorithm based Gradient Descent Learning for Non-linear Data Classification	Bighnaraj Naik, Janmenjoy Nayak, H.S. Behera	mailto:bnai@gmail.com, mailforjnayak@gmail.com, mailto:hsbehera@gmail.com	Department of Computer Science Engineering and Information Technology, Veer Surendra Sai University of Technology, Burla, Sambalpur 768018, Odisha, India
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21	Applicability of ANN in adsorptive removal of Cd(II) from aqueous solution	Nirjhar Bar Sudip Kumar Das	nirjhar@hotmail.com, drskdaspapers@hotmail.com	C/o, Prof. Sudip Kumar Das, Department of Chemical Engineering, Calcutta University
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30	Optimization of Evaluation Systems for Medical Education Performance using Principal Component Analysis	Abhoy Mondal Sumanta Ray	abhoy.bu@igi-global.com	Department of Computer Science, The University of Burdwan
31	A System on Chip Development of Customizable Genetic Algorithm Architecture for Constrained Optimization Problem	Soumyadip Das Sumitra Mukhopadhyay	soumya.eltsco9@gmail.com sumitra.mu@gmail.com	University of Calcutta
32	Computational Risk Intelligence Algorithm Approach for Optimization of Requirement Risk Overheads: An Automated Software Risk Mitigation Technique	Shruti Patil Roshani Ade	shrutisp6@gmail.com rosh513@gmail.com	Department of Computer Engineering, Dr.D.Y.Patil School of Engineering & Technology, Savitribai Phule Pune University, Pune, Maharashtra, India
33	A Web based Collaborative Learning System using Concept Maps: Architecture and Evaluation	Anal Acharya Devadatta Sinha	anal_acharya@yahoo.com devadatta.sinha@gmail.com	St. Xavier's College University of Calcutta, Kolkata
34	Evolutionary Computing: An Important Tool for Identifying Evolutionary Change in Proteins	Sujay Ray, Angshuman Bagchi	angshuman_bagchi@yahoo.com	Department of Biochemistry and Biophysics, University of Kalyani, Kalyani, Nadia, India
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39	DNA Cryptography: An Application Area of DNA Computing	Pradipta Roy, Debashis De, Swati Sinha	pradiptoroy@gmail.com dr.debashis.de@gmail.com	Department of Computer Science & Engineering, West Bengal University of Technology Department of Zoology, Ananda Mohan College, University of Calcutta
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48	Using Genetic Algorithm to Fuzzy Goal Programming with Penalty Functions for Economic-Environmental Power Generation and Dispatch	Mousumi Kumar, Valentina E. Balas, Bijay Baran Pal	mousumi886@gmail.com balas@drbalas.ro bbpal18@hotmail.com	Department of Mathematics, Alipurduar College, Alipurduar-736122, India Department of Automatics and Applied Informatics, Aurel Vlaicu University of Arad B-dul Revolutiei 77, 310130 Arad, Romania Department of Mathematics, University of Kalyani, Kalyani-741235, India
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52	Common Bloodstain patterns Documented at a Crime Scene	Samir Bandyopadhyay Miss Nabanita Basu	skb1@vsnl.com nabs.basu@gmail.com	University of Calcutta
53	CI approach for Recurring Job Optimization in Big Data	Smita Mahajan Anand J. Kulkarni	smita.mahajan@sitpune.edu.in anand.kulkarni@sitpune.edu.in	Department of Computer Science/Information Technology, Symbiosis International University, Lavale, Pune 412 115, MH, India
54	Virtual Machine allocation policy with minimized power consumption in Green Cloud Computing using Cuckoo Search	Md. Ashifuddin Mondal Tamal Deb	ashifuddin_nit@yahoo.com tamaldeb.kol65@gmail.com	Narula Institute of Technology, Kolkata, West Bengal, India
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56	Learning from stream data in non-stationary environments using logistic regression model	Pallavi Kulkarni, , Roshani Ade	kulkarnipallavi4@gmail.com rosh513@gmail.com	Dr. D.Y. Patil School of engineering and technology, Savitribai Phule Pune University, Pune
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62	Soft-computing based Optimization of Low Return Loss Multiband Microstrip Patch Antenna	Angana Sarma, Kumaresh Sarmah, Kandarpa Kumar Sarma	sarmaangana@gmail.com kumaresh4you8@gmail.com kandarpaks@gmail.com	Gauhati University
63	Image Representation, Processing and Filtration in a Multivalued Quantum System	Sanjay Chakraborty, Lopamudra Dey	schakraborty770@gmail.com lopamudra.dey1@gmail.com	Institute of Engineering & Management, Kolkata Heritage Institute of Technology Kolkata
64	Image Clustering based on Variable length Particle Swarm Optimization (VPSO)	Somnath Mukhopadhyay, J. K. Mandal, Tandra Pal	som.cse@live.com jkm.cse@gmail.com tandra.pal@gmail.com	Department of Computer Science and Engineering University of Kalyani Kalyani India 741235 National Institute of Technology, Durgapur India 713209
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