

Prof. S.Baskar

Dean (R&D), Professor, EEE Department, [Thiagarajar College of Engineering](#)

Verified email at tce.edu - [Homepage](#)

Evolutionary computation

TITLE	CITED BY	YEAR
Evolutionary algorithm-based design optimization for right choice of transformer conductor material and stepped core S Tamilselvi, S Baskar, T Sivakumar, L Anandapadmanaban Electrical Engineering 101 (1), 259-277	1	2019
Multi objective evolutionary algorithm for designing energy efficient distribution transformers S Tamilselvi, S Baskar, L Anandapadmanaban, V Karthikeyan, ... Swarm and Evolutionary Computation 42, 109-124	10	2018
Application of Evolutionary Algorithm for Multiobjective Transformer Design Optimization ST Selvi, S Baskar, S Rajasekar Classical and Recent Aspects of Power System Optimization, 463-504	5	2018
An Intelligent Approach Based on Metaheuristic for Generator Maintenance Scheduling ST Selvi, S Baskar, S Rajasekar Classical and Recent Aspects of Power System Optimization, 99-136	1	2018
Protein docking using constrained self-adaptive differential evolution algorithm S Sudha, S Baskar, S Krishnaswamy Soft Computing, 1-19	1	2018
A stopping criterion for decomposition-based multi-objective evolutionary algorithms KMA Kadhar, S Baskar Soft Computing 22 (1), 253-272	8	2018
Chaos-assisted multiobjective evolutionary algorithm to the design of transformer S Tamilselvi, S Baskar, L Anandapadmanaban, KMA Kadhar, PR Varshini Soft Computing 21 (19), 5675-5692	2	2017
Evolutionary optimized discrete Tchebichef moments for image compression applications	3	2016

TITLE	CITED BY	YEAR
RBA HAMEED, M DURAISAMY, A AMEERBASHA, B SUBRAMANIAN Turkish Journal of Electrical Engineering & Computer Sciences 24 (4), 3321-3334		
Evolutionary optimized discrete Tchebichef moments for image compression applications	3	2016
RBA HAMEED, M DURAISAMY, A AMEERBASHA, B SUBRAMANIAN Turkish Journal of Electrical Engineering & Computer Sciences 24 (4), 3321-3334		
Diversity Controlled Self Adaptive Differential Evolution based design of non-fragile multivariable PI controller	13	2015
KMA Kadhar, S Baskar, SMJ Amali Engineering Applications of Artificial Intelligence 46, 209-222		
Covariance matrix adaptation evolution strategy based design of fixed structure robust H_{∞} loop shaping controller	7	2015
KMA Kadhar, S Baskar Applied Soft Computing 34, 337-348		
Covariance matrix adaptation evolution strategy based design of fixed structure robust H_{∞} loop shaping controller	7	2015
KMA Kadhar, S Baskar Applied Soft Computing 34, 337-348		
Surrogate assisted-hybrid differential evolution algorithm using diversity control	5	2015
SMJ Amali, S Baskar Expert Systems: The Journal of Knowledge Engineering 32 (4), 531-545		
Optimal siting and sizing of UPFC using evolutionary algorithms	26	2015
S Alamelu, S Baskar, CK Babulal, S Jeyadevi International Journal of Electrical Power & Energy Systems 69, 222-231		
Protein structure prediction using diversity controlled self-adaptive differential evolution with local search	18	2015
S Sudha, S Baskar, SMJ Amali, S Krishnaswamy Soft Computing 19 (6), 1635-1646		
Genetic algorithm with ensemble of immigrant strategies for multicast routing in Ad hoc	25	2015

TITLE	CITED BY	YEAR
<p>networks</p> <p>P Karthikeyan, S Baskar</p> <p>Soft Computing 19 (2), 489-498</p>		
<p>Multi-objective Generation Scheduling Using Modified Non-dominated Sorting Genetic Algorithm-II</p> <p>S Dhanalakshmi, S Kannan, S Baskar, K Mahadevan</p> <p>International Conference on Swarm, Evolutionary, and Memetic Computing, 456-470</p>		2014
<p>Modified parameter optimization of distribution transformer design using covariance matrix adaptation evolution strategy</p> <p>S Tamilselvi, S Baskar</p> <p>International Journal of Electrical Power & Energy Systems 61, 208-218</p>	22	2014
<p>Design Of Multivariable Fractional Order Pid Controller Using Covariance Matrix Adaptation Evolution Strategy</p> <p>S Sivananaitaperumal, S Baskar</p> <p>Archives of Control Sciences 24 (2), 235-251</p>	13	2014
<p>Optimal siting and sizing of unified power flow controller using covariance matrix adapted evolution strategy in grid integrated wind energy conversion systems</p> <p>SM Alamelu, S Baskar, CK Babulal, S Jeyadevi</p> <p>Journal of Renewable and Sustainable Energy 6 (2), 023119</p>		2014
<p>NSGA-II technique for multi-objective generation dispatch of thermal generators with nonsmooth fuel cost functions</p> <p>M Rajkumar, K Mahadevan, S Kannan, S Baskar</p> <p>Journal of Electrical Engineering and Technology 9 (2), 423-432</p>	16	2014