Profile Page

Name	:	Dr Anupam Yadav
Designation	:	Associate Professor
Department	:	Mathematics
Qualification	:	Post Doc (Korea University, South Korea) PhD (IIT Roorkee) M.Sc. (Banaras Hindu University)
Address	:	Department of Mathematics GT Road Bye Pass, NIT Jalandhar Jalandhar, - 144027
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Research Interests :

Evolutionary Computation, Optimization, Soft Computing

Other Profile Links :

Google Scholar Link :

Google Scholar Click Here

Personal Web Link :

LinkedIn Click Here

Matlab Central Profile Click Here

Journal Publications :

Year	Journal	Publication
2022	Applied Intelligence (SCI)	Anita & Anupam Yadav, A study of exploratory and stability analysis of artificial electric field algorithm
2021	Evolutionary Intelligence	Bala, I., Yadav, A. Niching comprehensive learning gravitational search algorithm for multimodal optimization problems
2021	Computer Methods and Programs in Biomedicine (SCI)	Anita & Anupam Yadav, An Intelligent Model for the Detection of White Blood Cells using Artificial Intelligence
2020	Applied Soft Computing (SCI)	Anita & Anupam Yadav, Discrete artificial electric field algorithm for high-order graph matching
2020	Expert Systems with Applications (SCI)	Anita, Anupam Yadav & Nitin Kumar, Artificial electric field algorithm for engineering optimization problems
2019	Swarm and Evolutionary Computation 48, pp. 93-108 (2019). (SCI)	Anita, Yadav, Anupam. "AEFA: Artificial electric field algorithm for global optimization.

2019	Neural Computing and Applications (SCI)	Indu Bala and Anupam Yadav, Comprehensive learning gravitational search algorithm for global optimization of multimodal functions
2019	Neural Computing and Applications (SCI)	Yadav, A., Sadollah, A. Yadav, N., KIM JH., Self Adaptive Global Mine Blast Algorithm for Numerical Optimization
2018	Journal of Experimental & Theoretical Artificial Intelligence, (SCI)	Sayyaadi, H., Sadollah, A., Yadav, A., & Yadav, N. Stability and iterative convergence of water cycle algorithm for computationally expensive and combinatorial Internet shopping optimisation problems
2018	Applied Soft Computing (SCI)	Sadollah, A., Sayyaadi, H., & Yadav, A., A dynamic metaheuristic optimization model inspired by biological nervous systems: Neural network algorithm
2016	Computers & Mathematics with Applications (SCI)	Yadav, N., Yadav, A. and Kim, J.H., Numerical solution of unsteady advection dispersion equation arising in contaminant transport through porous media using neural networks
2016	Swarm and Evolutionary Computation (SCI)	Yadav, A., Deep, K., Kim, J.H. and Nagar, A.K., Gravitational swarm optimizer for global optimization
2015	Neural Computing and Applications (SCI)	Yadav, N., Yadav, A., Kumar, M. and Kim, J.H, An efficient algorithm based on artificial neural networks and particle swarm optimization for solution of nonlinear Troesch's problem.
2014	Journal of Experimental & Theoretical Artificial Intelligence (SCI)	Yadav, A. and Deep, K., A shrinking hypersphere PSO for engineering optimization problems
2014	Journal of Computational Science (SCI)	Yadav, A. and Deep, K., An efficient co-swarm particle swarm optimization for non-linear constrained optimization.
2013	National Academy Science Letters (SCI)	Yadav, A. and Deep, K., 2013. Constrained optimization using gravitational search algorithm
2013	Applied Mathematics and Computation (SCI)	Yadav, A. and Deep, K., Shrinking hypersphere based trajectory of particles in PSO

Conference Publications :

Year	Conference	Publication
2022	Academia-Industry Consortium for Data Science: AICDS 2020 (Wenzhou-Kean University)	Performance of Artificial Electric Field Algorithm on 100 Digit Challenge Benchmark Problems (CEC-2019)
2020	International Conference on Harmony Search Algorithm, Istanbul	Anita, Anupam Yadav, Nitin Kumar and JH Kim, Development of Discrete Artificial Electric Field Algorithm for Quadratic Assignment Problems
2020	Soft Computing for Problem Solving 2019 (Liverpool Hope University)	Anita, Anupam Yadav and Nitin Kumar, Artificial Electric Field Algorithm for Solving Real Parameter CEC 2017 Benchmark Problems
2019	International Conference on Soft Computing and Pattern Recognition	Anita, Anupam Yadav, Nitin Kumar, Application of Artificial Electric Field Algorithm for Economic Load Dispatch Problem
2019	International Conference on Communication and Intelligent Systems	Indu Bala and Anupam YadavOptimal Reactive Power Dispatch Using Gravitational Search Algorithm to Solve IEEE-14 Bus System
2018	ICHSA 2018 BMU	Bala, Indu, and Anupam Yadav. "Gravitational Search Algorithm: A State-of-the-Art Review." In Harmony Search and Nature Inspired Optimization Algorithms
2017	ICHSA 2017 Tecnalia Spain	Yadav, A., Yadav, N., & Kim, J. H. (2017, February). A Comparative Study of Exploration Ability of Harmony Search Algorithms.

2017	ICHSA 2017 Tecnalia Spain	Yadav, N., Ngo, T. T., Yadav, A., & Kim, J. H. (2017, February). Numerical Solution of Boundary Value Problems Using Artificial Neural Networks and Harmony Search
2015	ICHSA 2015, Korea Universtiy Seoul	Yadav, Anupam, Neha Yadav, and Joong Hoon Kim. "A Study of Harmony Search Algorithms: Exploration and Convergence Ability."
2014	SocPros 2014, NIT Silchar	Yadav, Neha, Anupam Yadav, and Kusum Deep. "Artificial Neural Network Technique for Solution of Nonlinear Elliptic Boundary Value Problems
2014	SocPros 2014, NIT Silchar	Yadav, Anupam, and Joong Hoon Kim. "A Niching Co-swarm Gravitational Search Algorithm for Multi-modal Optimization.
2013	25th Biennial Numerical Analysis Conference, University of Strathclyde, Glasgow, United Kingdom	Yadav Anupam, Kusum Deep. “Convergence of Gravitational Search Algorithm
2013	SocPros 2013	Yadav Anupam, Kusum Deep, “A Novel Co-Swarm Gravitational Search Algorithm for Constrained Optimization”
2011	SocPros 2011	Yadav Anupam, Kusum Deep, “A New Disc Based Particle Swarm Optimization”,

Book/Chapter Publications :

Type	**Title**	**Publisher**	**Authors**	**ISBN/ISSN No.**	**Year**
Edited Book	Proceedings of Academia-Industry Consortium for Data Science	Springer	Gaurav Gupta, Lipo Wang, Anupam Yadav, Puneet Rana, Zhenyu Wang (Eds)	978-981-16-6887-6	2022
Edited Book	Proceedings of the International Conference on Paradigms of Communication, Computing and Data Sciences	Springer	Mohit Dua, Ankit Kumar Jain, Anupam Yadav, Nitin Kumar, Patrick Siarry (Eds.)	978-981-16-5749-8	2022
Edited Book	Soft Computing for Problem Solving	Springer	Aruna Tiwari, Kapil Ahuja,Anupam Yadav, Jagdish Chand Bansal, Kusum Deep, Atulya K. Nagar (Eds.)	978-981-16-2712-5	2021
Edited Book	Congress on Intelligent Systems	Springer	Harish Sharma, Mukesh Saraswat, Anupam Yadav, Joong Hoon Kim, Jagdish Chand Bansal (Eds.)	978-981-33-6981-8	2021

Edited Book	Recent Trends in Communication and Intelligent Systems	Springer	Aditya Kumar Singh Pundir, Anupam Yadav, Swagatam Das (Eds.)	978-981-16-0169-9	2021
Edited Book	Proceedings of 6th International Conference on Harmony Search, Soft Computing and Applications	Springer	Sinan Melih Nigdeli, Joong Hoon Kim, Gebrail Bekda?, Anupam Yadav (Eds)	978-981-15-8603-3	2021
Text Book	An Introduction to Neural Network Methods for Differential Equations	Springer	Yadav, N., Yadav, A., & Kumar, M.	978-94-017-9815-0	2015

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
Principal Investigator	Core Research Grant (MATRICS)	Development of Projection Algorithm for Solving Convex Feasibility Problems arise in Quantum Computation	SERB-DST Govt. of India	2022	2025		Ongoing	-

Professional Affiliations :

Designation	Organization
Member	Society of Industrial and Applied Mathematics
Life Member	Ramanujan Mathematical Society

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Anita	DESIGN AND ANALYSIS OF OPTIMIZATION ALGORITHM FOR HIGH-ORDER GRAPH MATCHING	Awarded	2021	
Deepika Khurana		Ongoing	2020	
Dikshit Chauhan		Ongoing	2019	

Admin. Responsiblities :

Position Held	Organization	From	To
Co-Ordinator Unnat Bharat Abhiyan (UBA)	Dr BR Ambedkar NIT Jalandhar	2021	
Nodal Officer (Rajbhasha)	Department of Mathematics, Dr BR Ambedkar NIT Jalandhar	2020	