

Department of Computer Science & Engineering

List of publications

Sl. No.	Details of publication (s)	Affiliation(s)
1.	Dey, S. <i>et al.</i> Efficient quantum inspired meta-heuristics for multi-level true colour image thresholding, <i>Applied Soft Computing</i> 56 , 472-513, (2017).	Camellia Institute of Technology
2.	Dey, S. <i>et al.</i> New quantum inspired meta-heuristic techniques for multi-level colour image thresholding, <i>Applied Soft Computing</i> 46 , 677-702, (2016).	Camellia Institute of Technology
3.	Dey, S. <i>et al.</i> Multi-level Thresholding using Quantum Inspired Meta-heuristics, , <i>Knowledge-Based Systems</i> 67 , 373-400, (2014).	Camellia Institute of Technology
4.	Dey, S. <i>et al.</i> Quantum inspired genetic algorithm and particle swarm optimization using chaotic map model based interference for gray level Image thresholding, <i>Swarm and Evolutionary Computation</i> 15 , 38-57, (2014).	Camellia Institute of Technology
5.	Dey, S. <i>et al.</i> (eds. S. Bhattacharyya) Introduction to Hybrid Metaheuristics, <i>Hybrid Metaheuristics: Research and Applications</i> , 1-38, (2018).	OmDayal Group of Institutions
6.	Dey, A. <i>et al.</i> (eds. S. Bhattacharyya, I. Pan, A. Das, A. Mani, E. Behrman and S. Chakraborty) "Quantum Inspired Optimization Algorithms for Automatic Clustering: A Comparative Study of Genetic Algorithm and Bat Algorithm, <i>Quantum Machine Learning</i> , (2018) (Accepted).	OmDayal Group of Institutions
7.	Dey, A. <i>et al.</i> (eds. S. Bhattacharyya) Quantum Inspired Non-dominated Sorting Based Multi-objective GA for Multi-level Image Thresholding, <i>Hybrid Metaheuristics: Research and Applications</i> , 141-170, (2018).	OmDayal Group of Institutions
8.	Dey, A. <i>et al.</i> (eds. S. Bhattacharyya, I. Pan, A. Das, S. Gupta) Quantum Inspired Simulated Annealing Technique For Automatic Clustering, IMDA 2018: <i>Intelligent Multimedia Data Analysis (DE GRUYTER SERIES)</i> , 2018 (Accepted).	OmDayal Group of Institutions
9.	Dey, S. <i>et al.</i> (eds. B. K. Tripathy and D. P. Acharjya) Chaotic Map Model based Interference Employed in Quantum Inspired Genetic Algorithm to Determine the Optimum Gray Level Image Thresholding, <i>Global Trends in Intelligent Computing Research and Development</i> , 68-110, (2013).	Camellia Institute of Technology

10.	Dey, S. <i>et al.</i> (eds. S. Bhattacharyya, U. Maulik and P. Dutta) Quantum Inspired Multi-objective SA for Bi-level Image Thresholding, <i>Quantum Inspired Computational Intelligence: Research and Applications, Morgan-Kaufmann, 207-232, (2016).</i>	Camellia Institute of Technology
11.	Dey, S. <i>et al.</i> (eds. S. Bhattacharyya and P. Dutta) Quantum Behaved Swarm Intelligent Techniques for Image Analysis: A Detailed Survey, <i>Handbook on Research on Swarm Intelligence in Engineering, IGI Global, 1–39, (2015).</i>	Camellia Institute of Technology
12.	Dey, S. <i>et al.</i> (eds. S. Bhattacharyya, P. Banerjee, D. Majumdar and P. Dutta) Optimum Gray Level Image Thresholding using a Quantum Inspired Genetic Algorithm, <i>Handbook of Advanced Research on Hybrid Intelligent Techniques and Applications, IGI Global, 349–377, (2016).</i>	Camellia Institute of Technology
13.	Dey, S. <i>et al.</i> (eds. S. Bhattacharyya), Quantum Inspired Automatic Clustering Technique Using Ant Colony Optimization Algorithm, Quantum-Inspired Intelligent Systems for Multimedia Data Analysis, IGI Global, 27–54, 2017.	Camellia Institute of Technology
14.	Bhattacharyya, S. <i>et al.</i> Multilevel Quantum Sperm Whale Metaheuristic for Gray Level Image Thresholding, in Proceedings of Second International Conference on Innovative Computing and Communication (ICICC-2019) , VŠB - Technical University Of Ostrava, Czech Republic hold on 21-22 March, 2019 (Awarded the Best Paper Award). (Accepted).	Global Institute of Management and Technology
15.	Dey, S. <i>et al.</i> , A Novel Quantum Inspired Sperm Whale Meta-heuristic for Image Thresholding, in Proceedings of 2nd International Conference on Advanced Computational and Communication Paradigms (ICACCP), organized by Sikkim Manipal Institute of Technology (SMIT) ,Sikkim, India hold on 25-28 February, 2019 (Accepted).	OmDayal Group of Institutions
16.	Ghosh, D., <i>et al.</i> A Novel Multi-criteria Decision Making Approach Using Trapezoidal Intuitionistic Fuzzy Number, in Proceedings of 4th International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2018), organized by RCCIIT, Kolkata, India during 22-23 November, 2018 (Accepted).	OmDayal Group of Institutions
17.	Dey , A., <i>et al.</i> Quantum Inspired BAT Optimization Algorithm for Automatic Clustering of Gray Scale Images”, in Proceedings of 2nd International Symposium on Signal and Image Processing (ISSIP 2018), organized by RCCIIT, Kolkata, India during 21-22 November, 2018 (Accepted).	OmDayal Group of Institutions
18.	S. Bhattacharyya, <i>et al.</i> Quantum Spider Monkey	OmDayal Group of Institutions

	Algorithm for Automatic Image Clustering, in Proceedings of 7 th International Conference on Advances in Computing, Communications and Informatics (ICACCI 2018), organized by PES Institute of Technology, South Campus, Bangalore, Karnataka, India on 19-22 September, 2018 (Accepted).	
19.	Dey , A., <i>et al.</i> , PSO and DE based Novel Quantum Inspired Automatic Clustering Techniques”, in Proceedings of 3 rd International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2017), organized by RCCIIT, Kolkata, India on 03-05 November, 2017 , DOI: 10.1109/ICRCICN.2017.8234522 .	OmDayal Group of Institutions
20.	P. De and S. Dey, Security Risk Assessment in Online Social Networking: A Detailed Survey, in Proceedings of 3rd International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2017), to be organized by RCCIIT, Kolkata, India on 03-05 November, 2017, DOI: 10.1109/ICRCICN.2017.8234523	OmDayal Group of Institutions
21.	Dey , A., <i>et al.</i> , Simulated Annealing Based Quantum Inspired Automatic Clustering Technique, in Proceedings of 3rd International Conference on Advanced Machine Learning Technologies and Applications (AMLTA 2018), hold in Cairo, Egypt on 22-24 February, pp. 71-81, 2018.	OmDayal Group of Institutions
22.	Ray, J., <i>et al.</i> , Conditional Value-at-Risk Based Portfolio Optimization: An Ant Colony Optimization Approach, in Proceedings of International Conference on Global Business Environment: Strategies for Business Analytics and Cyber Security Management, at IMI, Bhubaneswar, India 2015 (Awarded the Best Paper Award).	Camellia Institute of Technology
23.	Dey , S., <i>et al.</i> , Quantum Inspired Automatic Clustering for Multi-level Image Thresholding, in Proceedings of International Conference On Computational Intelligence and Communication Networks (ICRCICN 2014), RCCIIT, Kolkata, India , pp. 247– 251, 2014.	Camellia Institute of Technology
24.	Dey , S., <i>et al.</i> , Quantum Behaved Multi-objective PSO and ACO Optimization for Multi-level Thresholding, in Proceedings of International Conference On Computational Intelligence and Communication Networks (ICRCICN 2014), RCCIIT, Kolkata, India , pp. 242– 246, 2014 (Awarded the Best Paper Award).	Camellia Institute of Technology
25.	Dey , S., <i>et al.</i> , New Quantum Inspired Tabu Search for Multi-level Colour Image Thresholding in Proceedings of 8 th International Conference On Computing for Sustainable Global Development (INDIACom-2014), BVICAM, New Delhi, pp. 311-316, 2014.	Camellia Institute of Technology

26.	Dey , S., <i>et al.</i> , Quantum Inspired Meta-heuristic Algorithms for Multi-level Thresholding for True Colour Images in Proceedings of IEEE Indicon 2013, Mumbai, India, pp. 1–6, 2014.	Camellia Institute of Technology
27.	Dey , S., <i>et al.</i> , New Quantum Inspired Meta- heuristic Methods for Multi-level Thresholding, in Proceedings of 2013 International Conference on Advances in Computing, Communications and Informatics (ICACCI), pp. 1236-1240, 22-25 Aug., Mysore, 2013.	Camellia Institute of Technology
28.	Bhattacharyya, S. and Dey, S., An Efficient Quantum Inspired Genetic Algorithm (QIGA) with a Chaotic Map Model Based Interference and Fuzzy Objective Function for Gray Level Image Thresholding, in Proceedings of International Conference on Computational Intelligence and Communication Networks (CICN 2011), pp. 121-125, Gwalior, India.	Camellia Institute of Technology
29.	Bhattacharyya, S. <i>et al.</i> , Determination of Optimal Threshold of a Gray-level Image Using a Quantum Inspired Genetic Algorithm with Interference Based on a Random Map Model”, in Proceedings of 2010 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC 2010), pp. 422-425, Coimbatore, India.	Camellia Institute of Technology
30.	Ahmed, F.A., Character Segmentation from a printed Bengali Text , <i>Global Journal on Advancement in Engineering and Science(GJAES)</i> , ISSN:2395-1001,(2016).	Global Institute of Management & Technology
31.	Ahmed, F.A. and Dutta,R., OCR System: An Overview, <i>Global Journal on Advancement in Engineering and Science(GJAES)</i> ,ISSN:2395-1001,(2015).	Global Institute of Management & Technology
32.	Ahmed, F.A.,”Segmentation of Characters without Modifiers from a Printed Bangla Text”, ACER 2013, pp. 11–24, 2013. © CS & IT-CSCP 2013.	Global Institute of Management & Technology
33.	Chakraborty, R. ,“Domain Keyword Extraction Technique: A New Weighting Method based on frequency analysis”, ACER 2013, pp. 109–118, 2013. © CS & IT-CSCP 2013.	Global Institute of Management & Technology
34.	Dutta,R., “Health care data warehouse system architecture for influenza (flu) diseases” ACER 2013, pp. 77–89, 2013. © CS & IT-CSCP 2013	Global Institute of Management & Technology
35.	Dutta, R. and Singh ,S., Universal Data Warehouse System Architecture for Health Care Organization, <i>Global Journal on Advancement in Engineering and Science(GJAES)</i> ,ISSN:2395-1001,(2015)	Global Institute of Management & Technology
36.	Dutta,R. and Mondal ,V.,Data Warehouse System Architecture for a Typical Health Care Organization, <i>Global Journal on Advancement in Engineering and Science (GJAES)</i> ,ISSN:2395-1001,(2016).	Global Institute of Management & Technology
37.	Mukhopadhyay,N. et al ,Geo-dependence of Facial Features and Attributes, <i>Global Journal on Advancement in Engineering and Science(GJAES)</i> ,ISSN:2395-1001,(2016).	Global Institute of Management & Technology

38.	Singh,S. and Dutta , R., Web Based Business Intelligence Tool for a Financial Organization, <i>Global Journal on Advancement in Engineering and Science(GJAES)</i> ,ISSN:2395-1001,(2015)	Global Institute of Management & Technology
39.	Biswas,S. ,Data Encryption and Decryption using Modified RSA Algorithm with ‘n’ prime numbers in a Computer Network, <i>Global Journal on Advancement in Engineering and Science(GJAES)</i> ,ISSN:2395-1001, (2016)	Global Institute of Management & Technology
40.	Ray,A. ,Optimization of K- means clustering by using Genetic Algorithm, <i>Global Journal on Advancement in Engineering and Science(GJAES)</i> , ISSN:2395-1001,(2016).	Global Institute of Management & Technology