BIBLIOGRAPHY

[1] CS Purwowidhu. Kian melesat di 2023, pariwisata indonesia bersiap menuju level prapandemi, 2023. URL `https://mediakeuangan.kemenkeu.go.id/article/show/kian-melesat-di-2023-pariwisata-indonesia-bersiap-menuju-level-prapandemi`. [accessed 22-June-2023].

[2] Sajal Halder, Kwan Hui Lim, Jeffrey Chan, and Xiuzhen Zhang. Efficient itinerary recommendation via personalized poi selection and pruning. *Knowledge and Information Systems*, 64, 2022. ISSN 02193116. doi: 10.1007/s10115-021-01648-3.

[3] Shan He. Research on tourism route recommendation strategy based on convolutional neural network and collaborative filtering algorithm. *Security and Communication Networks*, 2022, 2022. ISSN 19390122. doi: 10.1155/2022/4659567.

[4] Remigijus Paulavičius, Linas Stripinis, Simona Sutavičiūtė, Dmitrij Kočegarov, and Ernestas Filatovas. A novel greedy genetic algorithm-based personalized travel recommendation system. *Expert Systems with Applications*, 230:120580, 11 2023. ISSN 09574174. doi: 10.1016/j.eswa.2023.120580.

[5] Jane Raihan and Z.K.A. Baizal. Travel planning recommender system by using artificial bee colony algorithm: A case study in yogyakarta. In *2023 11th International Conference on Information and Communication Technology (ICoICT)*, pages 202–207, 2023. doi: 10.1109/ICoICT58202.2023.10262726.

[6] Akhmad Saifullah, Z.K.A. Baizal, and P. H. Gunawan. Optimization of tour scheduling using firefly algorithm. In *2019 7th International Conference on Information and Communication Technology (ICoICT)*, pages 1–6, 2019. doi: 10.1109/ICoICT.2019.8835287.

[7] Z K A Baizal, Kemas M Lhaksmana, Aniq A Rahmawati, Mizanul Kirom, and Zidni Mubarok. Travel route scheduling based on user's preferences using simulated annealing. *International Journal of Electrical & Computer Engineering (2088-8708)*, 9, 2019. ISSN 2088-8708.

[8] G. Dantzig, R. Fulkerson, and S. Johnson. Solution of a large-scale traveling-salesman problem. *Journal of the Operations Research Society of America*, 2, 1954. ISSN 0096-3984. doi: 10.1287/opre.2.4.393.

[9] Liang Feng, Yuxiao Huang, Ivor W. Tsang, Abhishek Gupta, Ke Tang, Kay Chen Tan, and Yew-Soon Ong. Towards faster vehicle routing by transferring knowledge from customer representation. *IEEE Transactions on Intelligent Transportation Systems*, 23 (2):952–965, 2022. doi: 10.1109/TITS.2020.3018903.

[10] G. B. Dantzig and J. H. Ramser. The truck dispatching problem. *Management Science*, 6(1):80–91, 1959. ISSN 00251909, 15265501.

[11] Paolo Toth and Daniele Vigo. *Vehicle Routing Problems, Methods, and Applications.* Society for Industrial and Applied Mathematics, 2014.

[12] Paweł Sitek, Jarosław Wikarek, Katarzyna Rutczyńska-Wdowiak, Grzegorz Bocewicz, and Zbigniew Banaszak. Optimization of capacitated vehicle routing problem with alternative delivery, pick-up and time windows: A modified hybrid approach. *Neurocomputing*, 423, 2021. ISSN 18728286. doi: 10.1016/j.neucom.2020.02.126.

[13] Ricardo Pérez-Rodríguez and Arturo Hernández-Aguirre. A hybrid estimation of distribution algorithm for the vehicle routing problem with time windows. *Computers and Industrial Engineering*, 130, 2019. ISSN 03608352. doi: 10.1016/j.cie.2019.02.017.

[14] Bruce L. Golden, Edward A. Wasil, James P. Kelly, and I-Ming Chao. *The Impact of Metaheuristics on Solving the Vehicle Routing Problem: Algorithms, Problem Sets, and Computational Results*, pages 33–56. Springer US, Boston, MA, 1998. ISBN 978-1-4615-5755-5. doi: 10.1007/978-1-4615-5755-5_2.

[15] Wayan Firdaus Mahmudy, Agus Wahyu Widodo, and Alfabiet Husien Haikal. Challenges and opportunities for applying meta-heuristic methods in vehicle routing problems: A review. *Engineering Proceedings*, 63(1), 2024. ISSN 2673-4591. doi: 10.3390/engproc2024063012.

[16] Xiaoxu Wei, Zhouru Xiao, and Yongsheng Wang. Solving the vehicle routing problem with time windows using modified rat swarm optimization algorithm based on large neighborhood search. *Mathematics*, 12(11), 2024. ISSN 2227-7390. doi: 10.3390/math12111702.

[17] Dervis Karaboga. An idea based on honey bee swarm for numerical optimization, technical report - tr06. *Technical Report, Erciyes University*, 01 2005.

[18] Zhaoquan Gu, Yan Zhu, Yuexuan Wang, Xiaojiang Du, Mohsen Guizani, and Zhihong Tian. Applying artificial bee colony algorithm to the multidepot vehicle routing problem. *Software: Practice and Experience*, 52(3):756–771, 2022.

[19] Tingyu Ye, Wenjun Wang, Hui Wang, Zhihua Cui, Yun Wang, Jia Zhao, and Min Hu. Artificial bee colony algorithm with efficient search strategy based on random neighborhood structure. *Knowledge-Based Systems*, 241:108306, 2022. ISSN 0950-7051. doi: https://doi.org/10.1016/j.knosys.2022.108306.

[20] Xiaoyu Song Ming Zhao and Shuangyun Xing. Improved artificial bee colony algorithm with adaptive parameter for numerical optimization. *Applied Artificial Intelligence*, 36 (1):2008147, 2022. doi: 10.1080/08839514.2021.2008147.

[21] Ammar K. Alazzawi, Helmi Md Rais, Shuib Basri, Yazan A. Alsariera, Luiz Fernando Capretz, Abdullateef Oluwagbemiga Balogun, and Abdullahi Abubakar Imam. Habcsm: A hamming based t-way strategy based on hybrid artificial bee colony for variable strength test sets generation. *CoRR*, abs/2110.03728, 2021. doi: https://doi.org/10.48550/arXiv.2110.03728.

[22] Xue Bing, Zhang Youwei, Zhang Xueyan, and Sun Xuekai. An improved artificial bee colony algorithm based on faster convergence. In *2021 IEEE International Conference on Artificial Intelligence and Computer Applications (ICAICA)*, pages 776–779, 2021. doi: 10.1109/ICAICA52286.2021.9498254.

[23] Sumin Li, Weiyao Zhang, Jiatao Hao, Ruixiang Li, and Juan Chen. Artificial bee colony algorithm based on improved search strategy. In Yujiu Yang, Xiaohui Wang, and Liang-Jie Zhang, editors, *Artificial Intelligence and Mobile Services – AIMS 2023*, pages 3–14, Cham, 2023. Springer Nature Switzerland. ISBN 978-3-031-45140-9.

[24] Liyi Zhang, Zuochen Ren, Ting Liu, and Jinyan Tang. Improved artificial bee colony algorithm based on harris hawks optimization. *Journal of Internet Technology*, 23(2): 379–389, 2022. ISSN 20794029. doi: 10.53106/160792642022032302016.

[25] Helei Kang, Renyun Liu, Yifei Yao, and Fanhua Yu. Improved harris hawks optimization for non-convex function optimization and design optimization problems. *Mathematics and Computers in Simulation*, 204:619–639, 2023. ISSN 0378-4754. doi: https://doi.org/10.1016/j.matcom.2022.09.010.

[26] Zuochen Ren, Liyi Zhang, Jinyan Tang, and Ting Liu. Improved artificial bee colony algorithm based on cauchy obl. *Journal of Physics: Conference Series*, 1920(1):012108, may 2021. doi: 10.1088/1742-6596/1920/1/012108.

[27] Feng Deng, Dan Zhao, and Qingyan Li. Teaching-learning-based optimization algorithm based on cauchy reverse and cross selection. In *2022 5th International Conference on Advanced Electronic Materials, Computers and Software Engineering (AEMCSE)*, pages 624–628, 2022. doi: 10.1109/AEMCSE55572.2022.00127.

[28] Lisang Liu, Jingrun Liang, Kaiqi Guo, Chengyang Ke, Dongwei He, and Jian Chen. Dynamic path planning of mobile robot based on improved sparrow search algorithm. *Biomimetics*, 8(2), 2023. ISSN 2313-7673. doi: 10.3390/biomimetics8020182.

[29] Novita Hanafiah, Indra Wijaya, Steffan Xavier, Choandrio Grolyus Young, Dennise Adrianto, and Muhsin Shodiq. Itinerary recommendation generation using enhanced simulated annealing algorithm. *Procedia Computer Science*, 157:605–612, 2019. ISSN 18770509. doi: 10.1016/j.procs.2019.09.020.

[30] Phatpicha Yochum, Liang Chang, Tianlong Gu, and Manli Zhu. An adaptive genetic algorithm for personalized itinerary planning. *IEEE Access*, 8, 2020. ISSN 21693536. doi: 10.1109/ACCESS.2020.2990916.

[31] Ngai Lam Ho and Kwan Hui Lim. User preferential tour recommendation based on poi-embedding methods, 2021.

[32] Chong Ye, Wenjie He, and Hanqi Chen. Electric vehicle routing models and solution algorithms in logistics distribution: A systematic review. *Environmental Science and Pollution Research*, 29(38):57067–57090, 2022.

[33] Sapna Katiyar, Rijwan Khan, and Santosh Kumar. Artificial bee colony algorithm for fresh food distribution without quality loss by delivery route optimization. *Journal of Food Quality*, 2021(1):4881289, 2021.

[34] Daqing Wu and Chenxiang Wu. Research on the time-dependent split delivery green vehicle routing problem for fresh agricultural products with multiple time windows. *Agriculture*, 12(6), 2022. ISSN 2077-0472. doi: 10.3390/agriculture12060793.

[35] Yushuang Hou, Yaping Fu, Kaizhou Gao, Hui Zhang, and Ali Sadollah. Modelling and optimization of integrated distributed flow shop scheduling and distribution problems with time windows. *Expert Systems with Applications*, 187:115827, 2022. ISSN 0957-4174. doi: https://doi.org/10.1016/j.eswa.2021.115827.

[36] Vincent F. Yu, Hadi Susanto, Panca Jodiawan, Tsai-Wei Ho, Shih-Wei Lin, and Yu-Tsung Huang. A simulated annealing algorithm for the vehicle routing problem with parcel lockers. *IEEE Access*, 10:20764–20782, 2022. doi: 10.1109/ACCESS.2022.3152062.

[37] Erdi Dasdemir, Murat Caner Testik, Diclehan Tezcaner Öztürk, Ceren Tuncer Şakar, Güldal Güleryüz, and Özlem Müge Testik. A multi-objective open vehicle routing problem with overbooking: Exact and heuristic solution approaches for an employee transportation problem. *Omega*, 108:102587, 2022. ISSN 0305-0483. doi: https://doi.org/10.1016/j.omega.2021.102587.

[38] Ahmet Karaman, Dervis Karaboga, Ishak Pacal, Bahriye Akay, Alper Basturk, Ufuk Nalbantoglu, Seymanur Coskun, and Omur Sahin. Hyper-parameter optimization of deep learning architectures using artificial bee colony (abc) algorithm for high performance real-time automatic colorectal cancer (crc) polyp detection. *Applied Intelligence*, 53(12):15603–15620, nov 2022. ISSN 0924-669X. doi: 10.1007/s10489-022-04299-1.

[39] Jun Hao, Xiaolei Sun, and Qianqian Feng. A novel ensemble approach for the forecasting of energy demand based on the artificial bee colony algorithm. *Energies*, 13(3), 2020. ISSN 1996-1073. doi: 10.3390/en13030550.

[40] Ertugrul Gul and Ahmet Nusret Toprak. Contourlet and discrete cosine transform based quality guaranteed robust image watermarking method using artificial bee colony algorithm. *Expert Systems with Applications*, 212:118730, 2023. ISSN 0957-4174. doi: https://doi.org/10.1016/j.eswa.2022.118730.

[41] Dervis Karaboga and Bahriye Akay. A comparative study of artificial bee colony algorithm. *Applied Mathematics and Computation*, 214(1):108–132, 2009. ISSN 0096-3003. doi: https://doi.org/10.1016/j.amc.2009.03.090.

[42] Ivona Brajevic. Artificial bee colony algorithm for the capacitated vehicle routing problem. In *Proceedings of the European computing conference (ECC'11)*, pages 239–244, 2011.

[43] Dana Marsetiya Utama, Triani Aulya Fitria, and Annisa Kesy Garside. Artificial bee colony algorithm for solving green vehicle routing problems with time windows. In *Journal of Physics: Conference Series*, page 012043. IOP Publishing, 2021.

[44] Olympia Roeva, Dafina Zoteva, and Velislava Lyubenova. Escherichia coli cultivation process modelling using abc-ga hybrid algorithm. *Processes*, 9(8), 2021. ISSN 2227-9717. doi: 10.3390/pr9081418.

[45] Xing Li, Shaoping Zhang, and Peng Shao. Discrete artificial bee colony algorithm with fixed neighborhood search for traveling salesman problem. *Engineering Applications of Artificial Intelligence*, 131:107816, 2024. ISSN 0952-1976. doi: https://doi.org/10.1016/j.engappai.2023.107816.

[46] Farhanna Mar'i, Hafidz Ubaidillah, Wayan Firdaus Mahmudy, and Ahmad Afif Supianto. Hybrid artificial bee colony and improved simulated annealing for the capacitated vehicle routing problem. *Knowl. Eng. Data Sci.*, 5(2):109–121, 2022.

[47] Jun-qing Li and Yun-qi Han. A hybrid multi-objective artificial bee colony algorithm for flexible task scheduling problems in cloud computing system. *Cluster Computing*, 23(4):2483–2499, 2020.

[48] Muath Ibrahim Jarrah, ASM Jaya, Zakaria N Alqattan, Mohd Asyadi Azam, Rosni Abdullah, Hazim Jarrah, and Ahmed Ismail Abu-Khadrah. A novel explanatory hybrid artificial bee colony algorithm for numerical function optimization. *The Journal of Supercomputing*, 76:9330–9354, 2020.

[49] Ali Asghar Heidari, Seyedali Mirjalili, Hossam Faris, Ibrahim Aljarah, Majdi Mafarja, and Huiling Chen. Harris hawks optimization: Algorithm and applications. *Future Generation Computer Systems*, 97:849–872, 2019. ISSN 0167-739X. doi: https://doi.org/10.1016/j.future.2019.02.028.

[50] Manish Kumar, Rahul Biswas, Divesh Ranjan Kumar, Pijush Samui, Mosbeh R. Kaloop, and Mohamed Eldessouki. Soft computing-based prediction models for compressive strength of concrete. *Case Studies in Construction Materials*, 19:e02321, 2023. ISSN 2214-5095. doi: https://doi.org/10.1016/j.cscm.2023.e02321.

[51] Julien Perolat, Inés Couso, Kevin Loquin, and Olivier Strauss. Generalizing the wilcoxon rank-sum test for interval data. *International Journal of Approximate Reasoning*, 56:108–121, 2015. ISSN 0888-613X. doi: https://doi.org/10.1016/j.ijar.2014.08.001.

[52] Inmaculada Jiménez-Gamero and Mohamed Analla. The importance of type ii error in hypothesis testing. *International Journal of Statistics and Probability*, 2023. doi: 10.5539/ijsp.v12n2p42.

[53] Takeshi Kurashima, Tomoharu Iwata, Go Irie, and Ko Fujimura. Travel route recommendation using geotags in photo sharing sites. In *Proceedings of the 19th ACM International Conference on Information and Knowledge Management*, CIKM '10, page 579–588, New York, NY, USA, 2010. Association for Computing Machinery. ISBN 9781450300995. doi: 10.1145/1871437.1871513.

[54] Thomas R. Knapp. In (partial) defense of .05. *Journal of Modern Applied Statistical Methods*, 14(2):6–, 2015. doi: 10.22237/JMASM/1446350700.

[55] Lunwen Wu, Zhouyiying Wang, Zhixue Liao, Di Xiao, Peng Han, Wenyong Li, and Qin Chen. Multi-day tourism recommendations for urban tourists considering hotel selection: A heuristic optimization approach. *Omega*, 126:103048, 2024. ISSN 0305-0483. doi: https://doi.org/10.1016/j.omega.2024.103048.

[56] O. Rainio. evaluation metrics and statistical tests for machine learning. *Scientific Reports*, 14, 2024. doi: 10.1038/s41598-024-56706-x.

[57] Yi Yang and Ke Luo. An artificial bee colony algorithm based on improved search strategy. In *2021 2nd International Conference on Artificial Intelligence and Information Systems*, ICAIIS 2021, New York, NY, USA, 2021. Association for Computing Machinery. ISBN 9781450390200. doi: 10.1145/3469213.3470398.

[58] Xiuqin Pan, Yun Wang, Yong Lu, and Na Sun. Improved artificial bee colony algorithm based on two-dimensional queue structure for complex optimization problems. *Alexandria Engineering Journal*, 86:669–679, 2024. ISSN 1110-0168. doi: https://doi.org/10.1016/j.aej.2023.12.011.