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REFERENCES

- [1] Verma, Geetika, and Kamla Prasan Ray. "Design, fabrication and characteristics of eco-friendly microwave absorbing materials: A review." *IETE Technical Review* 39.4 (2022): 756-774.
- [2] Murali, B., B. Vijaya Ramnath, and D. J. M. T. P. Chandramohan. "Mechanical properties of boehmeria nivea reinforced polymer composite." *Materials Today: Proceedings* 16 (2019): 883-888.
- [3] Zhang, Zhe, et al. "Efficient and optimal penetration path planning for stealth unmanned aerial vehicle using minimal radar cross-section tactics and modified A-Star algorithm." *ISA transactions* (2022).
- [4] Singh, Harbinder. "Radar cross section minimization analysis for different target shapes." *Materials Today: Proceedings* (2022).
- [5] Folgueras, Luiza de Castro, et al. "Dielectric microwave absorbing material processed by impregnation of carbon fiber fabric with polyaniline." *Materials Research* 10 (2007): 95-99.
- [6] Wang, Peng, et al. "Excellent microwave absorbing performance of the sandwich structure absorber Fe@ B2O3/MoS2/Fe@ B2O3 in the Ku-band and X-band." *Chemical Engineering Journal* 382 (2020): 122804.
- [7] Ahmed, ATM Faiz, et al. "Hemp as a potential raw material toward a sustainable world: A review." *Heliyon* (2022): e08753.
- [8] Shackelford, James F. *Introduction to materials science for engineers*. Upper Saddle River: Pearson, 2016.
- [9] Putri, G. P., Triyono E., Budi Basuki S., Hasan, A., Widodo, S., & Suhendro, S. "Pengaruh Penggunaan Komposit-Rami Sebagai Penyerap Gelombang Radar Pada Stealth Technology." *Prosiding Seminar Nasional Sains Teknologi dan Inovasi Indonesia (SENASTINDO)*. Vol. 1. 2019.
- [10] Sagar, Md Samiul Islam, et al. "Application of machine learning in electromagnetics: Mini-review." *Electronics* 10.22 (2021): 2752.
- [11] Rekkas, Vasileios P., et al. "Machine learning in beyond 5G/6G networks—State-of-the-art and future trends." *Electronics* 10.22 (2021): 2786.
- [12] Fawcett, Timothy J., et al. "Universal automated classification of the acoustic startle reflex using machine learning." *Hearing research* 428 (2023): 108667.
- [13] Dutta, Sagar, Banani Basu, and Fazal Ahmed Talukdar. "Classification of motor faults based on transmission coefficient and reflection coefficient of omni-directional antenna using DCNN." *Expert Systems with Applications* 198 (2022): 116832.
- [14] Jijo, Bahzad Taha, and Adnan Mohsin Abdulazeez. "Classification based on decision tree algorithm for machine learning." *evaluation* 6 (2021): 7.
- [15] Breiman, Leo. "Random forests." *Machine learning* 45 (2001): 5-32.
- [16] Raschka, Sebastian. "Naive bayes and text classification i-introduction and theory." *arXiv preprint arXiv:1410.5329* (2014).
- [17] Ali, Najat, Daniel Neagu, and Paul Trundle. "Evaluation of k-nearest neighbour classifier performance for heterogeneous data sets." *SN Applied Sciences* 1 (2019): 1-15.
- [18] Han, J., Pei, J., & Tong, H. (2022). *Data mining: concepts and techniques*. Morgan Kaufmann.
- [19] Guerrero, Maria Camila, Juan Sebastián Parada, and Helbert Eduardo Espitia. "EEG signal analysis using classification techniques: Logistic regression, artificial neural networks, support vector machines, and convolutional neural networks." *Heliyon* 7.6 (2021): e07258.
- [20] Sildir, Hasan, Sahin Sarrafi, and Erdal Aydin. "Optimal artificial neural network architecture design for modeling an industrial ethylene oxide plant." *Computers & Chemical Engineering* 163 (2022): 107850.
- [21] Kleinbaum, David G., et al. *Logistic regression*. New York: Springer-Verlag, 2002.
- [22] Pujianto, Utomo, et al. "Comparison of naïve bayes algorithm and decision tree C4. 5 for hospital readmission diabetes patients using hba1c measurement." *Knowledge Engineering and Data Science* 2.2 (2019): 58-71.
- [23] Xhemali, Daniela, Chris J. Hinde, and Roger Stone. "Naïve bayes vs. decision trees vs. neural networks in the classification of training web pages." (2009).
- [24] Khoirunissa, Husna Afanyn, Amanda Rizky Widyaningrum, and Annisa Priliya Ayu Maharani. "Comparison of Random Forest, Logistic Regression, and Multilayer Perceptron Methods on Classification of Bank Customer Account Closure." *Indonesian Journal of Applied Statistics* 4.1 (2021): 14-20.
- [25] Lemons, Kendall. "A comparison between Naïve bayes and random forest to predict breast cancer." *International Journal of Undergraduate Research and Creative Activities* 12.1 (2020).
- [26] Mayilvaganan, M., and D. Kalpanadevi. "Comparison of classification techniques for predicting the performance of students academic environment." *2014 International Conference on Communication and Network Technologies*. IEEE, 2014.
- [27] Palaniappan, Shamala, et al. "Customer profiling using classification approach for bank telemarketing." *JOIV: International Journal on Informatics Visualization* 1.4-2 (2017): 214-217.
- [28] Carrera, Berny, et al. "A machine learning based classification models for plastic recycling using different wavelength range spectrums." *Journal of Cleaner Production* 374 (2022): 133883.
- [29] Wang, Jingluan, et al. "Risk assessment for musculoskeletal disorders based on the characteristics of work posture." *Automation in Construction* 131 (2021): 103921.
- [30] Alkaiyy, Maryam, et al. "Enhancing construction safety: Machine learning-based classification of injury types." *Safety Science* 162 (2023): 106102.