

REFERENCES

- [1] W. M. Pardridge, "The blood-brain barrier: Bottleneck in brain drug development," *NeuroRX*, vol. 2, no. 1, pp. 3–14, Jan. 2005, doi: 10.1602/neurorx.2.1.3.
- [2] J. Shen, Y. Du, Y. Zhao, G. Liu, and Y. Tang, "In Silico Prediction of Blood–Brain Partitioning Using a Chemometric Method Called Genetic Algorithm Based Variable Selection," *QSAR Comb. Sci.*, vol. 27, no. 6, pp. 704–717, 2008, doi: 10.1002/qsar.200710129.
- [3] M. Singh, R. Divakaran, L. S. K. Konda, and R. Kristam, "A classification model for blood brain barrier penetration," *J. Mol. Graph. Model.*, vol. 96, p. 107516, May 2020, doi: 10.1016/j.jmgm.2019.107516.
- [4] S. Alsenan, I. Al-Turaiki, and A. Hafez, "A Recurrent Neural Network model to predict blood–brain barrier permeability," *Comput. Biol. Chem.*, vol. 89, p. 107377, Dec. 2020, doi: 10.1016/j.compbiolchem.2020.107377.
- [5] B. Shaker et al., "LightBBB: computational prediction model of blood–brain-barrier penetration based on LightGBM," *Bioinformatics*, vol. 37, no. 8, pp. 1135–1139, May 2021, doi: 10.1093/bioinformatics/btaa918.
- [6] R. Kumar, A. Sharma, A. Alexiou, A. L. Bilgrami, M. A. Kamal, and G. M. Ashraf, "DeePred-BBB: A Blood Brain Barrier Permeability Prediction Model With Improved Accuracy," *Front. Neurosci.*, vol. 16, 2022, Accessed: Dec. 10, 2023. [Online]. Available: <https://www.frontiersin.org/articles/10.3389/fnins.2022.858126>
- [7] L. Liu et al., "Prediction of the Blood–Brain Barrier (BBB) Permeability of Chemicals Based on Machine-Learning and Ensemble Methods," *Chem. Res. Toxicol.*, vol. 34, no. 6, pp. 1456–1467, Jun. 2021, doi: 10.1021/acs.chemrestox.0c00343.
- [8] I. F. Martins, A. L. Teixeira, L. Pinheiro, and A. O. Falcao, "A Bayesian approach to in Silico blood-brain barrier penetration modeling," *J Chem Inf Model.* vol. 52, no. 6, pp. 1686–1697, Jun. 2012, doi: 10.1021/ci300124c.
- [9] D. Srivastava, Y. Singh, and A. Sahoo, "Auto Tuning of RNN Hyperparameters using Cuckoo Search Algorithm," in 2019 Twelfth International Conference on Contemporary Computing (IC3), Aug. 2019, pp. 1–5. doi: 10.1109/IC3.2019.8844900.
- [10] F. M. Azizy, J. Jondri, and I. Kurniawan, "Medical Image-based Prediction of Brain Tumor by Using Convolutional Neural Network Optimized by Cuckoo Search Algorithm," in 2023 11th International Conference on Information and Communication Technology (ICoICT), Aug. 2023, pp. 411–416. doi: 10.1109/ICoICT58202.2023.10262447.
- [11] L. Breiman, "Random Forests," *Mach. Learn.*, vol. 45, no. 1, pp. 5–32, Oct. 2001, doi: 10.1023/A:1010933404324.
- [12] I. Kurniawan, M. M. Anggraini, A. Aditsania, and E. B. Setiawan, "Implementation of Ensemble Methods on Classification of CDK2 Inhibitor as Anti-Cancer Agent," *IJCCS Indones. J. Comput. Cybern. Syst.*, vol. 17, no. 1, Art. no. 1, Feb. 2023, doi: 10.22146/ijccs.78537.
- [13] T. Chen and T. He, "xgboost: eXtreme Gradient Boosting".
- [14] A. N. Rachmi, "Implementasi Metode Random Forest Dan Xgboost Pada Klasifikasi Customer Churn," *Lap. Tugas Akhir Fak. Mat. Dan Ilmu Pengetah. Alam Univ. Islam Indones. Yogyakarta.*, 2020.
- [15] R. E. Schapire, "Explaining AdaBoost," in *Empirical Inference: Festschrift in Honor of Vladimir N. Vapnik*, B. Schölkopf, Z. Luo, and V. Vovk, Eds., Berlin, Heidelberg: Springer, 2013, pp. 37–52. doi: 10.1007/978-3-642-41136-6_5.
- [16] "Implementation of Ensemble Method in Schizophrenia Identification Based on Microarray Data | Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)." Accessed: Dec. 10, 2023. [Online]. Available: <https://www.jurnal.iaii.or.id/index.php/RESTI/article/view/3788>