

## Daftar Pustaka

- Alkhodari, M. and Fraiwan, L. (2021), ‘Convolutional and recurrent neural networks for the detection of valvular heart diseases in phonocardiogram recordings’, *Computer Methods and Programs in Biomedicine* **200**, 105940.
- Bühlmann, P. (2012), Bagging, boosting and ensemble methods, *in* ‘Handbook of computational statistics’, Springer, pp. 985–1022.
- Chakrabarti, T., Saha, S., Roy, S. and Chel, I. (2015), Phonocardiogram signal analysis-practices, trends and challenges: A critical review, *in* ‘2015 international conference and workshop on computing and communication (IEMCON)’, IEEE, pp. 1–4.
- Hammad, M., Alkinani, M. H., Gupta, B., El-Latif, A. and Ahmed, A. (2022), ‘Myocardial infarction detection based on deep neural network on imbalanced data’, *Multimedia Systems* **28**(4), 1373–1385.
- Han, C. and Shi, L. (2019), ‘Automated interpretable detection of myocardial infarction fusing energy entropy and morphological features’, *Computer methods and programs in biomedicine* **175**, 9–23.
- Huang, Y., Li, H., Tao, R., Han, W., Zhang, P., Yu, X. and Wu, R. (2022), ‘A customized framework for coronary artery disease detection using phonocardiogram signals’, *Biomedical Signal Processing and Control* **78**, 103982.
- Ketu, S. and Mishra, P. K. (2022), ‘Empirical analysis of machine learning algorithms on imbalance electrocardiogram based arrhythmia dataset for heart disease detection’, *Arabian Journal for Science and Engineering* **47**(2), 1447–1469.
- Khan, M. U., Mushtaq, Z., Shakeel, M., Aziz, S. and Naqvi, S. Z. H. (2020), Classification of myocardial infarction using mfcc and ensemble subspace knn, *in* ‘2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE)’, IEEE, pp. 1–5.
- Li, H., Wang, X., Liu, C., Li, P. and Jiao, Y. (2021), ‘Integrating multi-domain deep features of electrocardiogram and phonocardiogram for coronary artery disease detection’, *Computers in Biology and Medicine* **138**, 104914.

- Li, H., Wang, X., Liu, C., Wang, Y., Li, P., Tang, H., Yao, L. and Zhang, H. (2019), ‘Dual-input neural network integrating feature extraction and deep learning for coronary artery disease detection using electrocardiogram and phonocardiogram’, *IEEE Access* **7**, 146457–146469.
- Li, H., Wang, X., Liu, C., Zeng, Q., Zheng, Y., Chu, X., Yao, L., Wang, J., Jiao, Y. and Karmakar, C. (2020), ‘A fusion framework based on multi-domain features and deep learning features of phonocardiogram for coronary artery disease detection’, *Computers in Biology and Medicine* **120**, 103733.
- Libby, P. and Theroux, P. (2005), ‘Pathophysiology of coronary artery disease’, *Circulation* **111**(25), 3481–3488.
- Lih, O. S., Jahmunah, V., San, T. R., Ciaccio, E. J., Yamakawa, T., Tanabe, M., Kobayashi, M., Faust, O. and Acharya, U. R. (2020), ‘Comprehensive electrocardiographic diagnosis based on deep learning’, *Artificial intelligence in medicine* **103**, 101789.
- Mert, A., Kılıç, N. and Akan, A. (2014), ‘Evaluation of bagging ensemble method with time-domain feature extraction for diagnosing of arrhythmia beats’, *Neural Computing and Applications* **24**(2), 317–326.
- Meziani, F., Debbal, S. and Atbi, A. (2012), ‘Analysis of phonocardiogram signals using wavelet transform’, *Journal of Medical Engineering & Technology* **36**(6), 283–302.
- Mushtaq, Z., Shakeel, M., Alam, F., Aziz, S. and Khan, M. U. (2021), Phonocardiogram based method for the classification of coronary artery diseases, in ‘2021 Mohammad Ali Jinnah University International Conference on Computing (MAJICC)’, IEEE, pp. 1–6.
- Nabih-Ali, M., El-Dahshan, E.-S. A. and Yahia, A. S. (2017), ‘Heart diseases diagnosis using intelligent algorithm based on pcg signal analysis’, *International Journal of Biology and Biomedicine* **2**.
- Parment, S., Glass, T. J. and Glass, R. M. (2004), ‘Coronary artery disease’, *Jama* **292**(20), 2540–2540.
- Pathak, A., Samanta, P., Mandana, K. and Saha, G. (2020), ‘An improved method to detect coronary artery disease using phonocardiogram signals in noisy environment’, *Applied Acoustics* **164**, 107242.
- Samanta, P., Mandana, K., Saha, G. et al. (2017), Identification of coronary artery disease using cross power spectral density, in ‘2017 14th IEEE India Council International Conference (INDICON)’, IEEE, pp. 1–6.

- Samanta, P., Pathak, A., Mandana, K. and Saha, G. (2018), Identification of coronary artery diseased subjects using spectral features, *in* ‘2018 Twenty Fourth National Conference on Communications (NCC)’, IEEE, pp. 1–6.
- Samanta, P., Pathak, A., Mandana, K. and Saha, G. (2019), ‘Classification of coronary artery diseased and normal subjects using multi-channel phonocardiogram signal’, *Biocybernetics and Biomedical Engineering* **39**(2), 426–443.
- Sotaquirá, M., Alvear, D. and Mondragón, M. (2018), ‘Phonocardiogram classification using deep neural networks and weighted probability comparisons’, *Journal of medical engineering & technology* **42**(7), 510–517.
- Suresha, A. M. (2020), ‘Real-time full-band speech enhancement for hearing aids’.
- Thygesen, K., Alpert, J. S., White, H. D. and for the Redefinition of Myocardial Infarction, J. E. T. F. (2007), ‘Universal definition of myocardial infarction’, *Journal of the American College of Cardiology* **50**(22), 2173–2195.
- Vernekar, S., Nair, S., Vijaysenan, D. and Ranjan, R. (2016), A novel approach for classification of normal/abnormal phonocardiogram recordings using temporal signal analysis and machine learning, *in* ‘2016 computing in cardiology conference (CinC)’, IEEE, pp. 1141–1144.
- Wan, S. and Yang, H. (2013), Comparison among methods of ensemble learning, *in* ‘2013 International Symposium on Biometrics and Security Technologies’, IEEE, pp. 286–290.
- WHO (2021), ‘Cardiovascular disease’, [https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-\(cvds\)](https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-(cvds)). Online; Accessed 14 June 2022.
- Wu, C., Hwang, M., Huang, T.-H., Chen, Y.-M. J., Chang, Y.-J., Ho, T.-H., Huang, J., Hwang, K.-S. and Ho, W.-H. (2021), ‘Application of artificial intelligence ensemble learning model in early prediction of atrial fibrillation’, *BMC bioinformatics* **22**(5), 1–12.
- Wu, J. M.-T., Tsai, M.-H., Huang, Y. Z., Islam, S. H., Hassan, M. M., Alelaiwi, A. and Fortino, G. (2019), ‘Applying an ensemble convolutional neural network with savitzky–golay filter to construct a phonocardiogram prediction model’, *Applied Soft Computing* **78**, 29–40.

- Zarrabi, M., Parsaei, H., Boostani, R., Zare, A., Dorfeshan, Z., Zarrabi, K. and Kojuri, J. (2017), 'A system for accurately predicting the risk of myocardial infarction using pcg, ecg and clinical features', *Biomedical Engineering: Applications, Basis and Communications* **29**(03), 1750023.
- Zhou, Z.-H. (2021), Ensemble learning, *in* 'Machine learning', Springer, pp. 181–210.