

List of publications

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March 18, 2025

Conferences

- Rajdeep Das, Anjan Chowdhury, Kuntal Ghosh, and Tapan Chakraborty. "SPGMS: an annotated benchmark for grain-matrix segmentation in sandstone photomicrographs." In Eighth International Conference on Video and Image Processing (ICVIP 2024), vol. 13558, pp. 147-158. <https://doi.org/10.1117/12.3059126>, SPIE, 2025.
- Anjan Chowdhury, Rajdeep Chatterjee, Geetanjali Aich, and Kuntal Ghosh. "ADHDNet: A DNN based Framework for Efficient ADHD Detection from fMRI Dataset." In 9th International Conference on Pattern Recognition and Machine Intelligence (PREMI'21), Lecture Notes in Computer Science. Springer, A. Ghosh et al. (Eds.): Volume 13102, Chapter 15, <https://link.springer.com/book/9783031126994>, 2024.
- Anjan Chowdhury, Swarup Chattopadhyay, and Kuntal Ghosh. "Analyzing the Progression of Alzheimer's Disease in Human Brain Networks." In Proceedings of the 2023 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'23), pp. 415-418. <https://doi.org/10.1145/3625007.3627496>, 2023.
- Anjan Chowdhury, Swarup Chattopadhyay, Kuntal Ghosh, and Gautam Das. "NeuroANATOP: An Effective Tool to Assess the Progression of Alzheimer's disease in Human Brain Networks", Proceedings of 2023 IEEE International Conference On Knowledge Graph (ICKG), pp. 108-116, <https://doi.org/10.1109/ICKG59574.2023.00019>, 2023.
- Anjan Chowdhury, Sriram Srinivasan, Sanjukta Bhowmick, Animesh Mukherjee, and Kuntal Ghosh. "Constant community identification in million scale networks using image thresholding algorithms." In Proceedings of the 2021 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'21), pp. 116-120. <https://doi.org/10.1007/s13278-022-00895-8>, 2021.

Journals

- Deb S, Mondal R, Sen P, Chowdhury D, Sarkar S, Banerjee G, Sarkar V, Chowdhury A, Benito-León J. Neuroinflammatory disorders of the central nervous system associated with monkeypox virus: a systematic review and call to action. BMC Med. 2025 Feb 12;23(1):86. doi: 10.1186/s12916-025-03921-6. PMID: 39939881; PMCID: PMC11823248.

- Snigdha Agarwal, Adarsh Raj, Anjan Chowdhury, Rajdeep Chatterjee, Geetanjali Aich, and Kuntal Ghosh. “Investigating the Impact of Standard Brain Atlases and Connectivity Measures on the Accuracy of ADHD Detection from fMRI Data Using Deep Learning.”, *Multimedia Tools and Applications*, Volume 83, pp. 67023–67057 <https://doi.org/10.1007/s11042-023-17962-7>, 2024.
- Ritwick Mondal and Shramana Deb and Gourav Shome and Anjan Chowdhury and Kuntal Ghosh and Julián Benito-León and Durjoy Lahiri, “Deciphering seizure semiology in corpus callosum injuries: A comprehensive systematic review with machine learning insights.”, *Clinical Neurology and Neurosurgery*, volume: 242, Year: 2024, pages: 108316, <https://doi.org/10.1016/j.clineuro.2024.108316>
- Anjan Chowdhury, Sriram Srinivasan, Sanjukta Bhowmick, Animesh Mukherjee, and Kuntal Ghosh. “Improving Node Classification Accuracy of GNN through Input and Output Intervention.” *The ACM Transactions on Knowledge Discovery from Data (TKDD)*, Volume 18, Issue 1, Article No. 17, pp. 1-31, <https://doi.org/10.1145/3610535>, 2023.
- Anjan Chowdhury, Sriram Srinivasan, Sanjukta Bhowmick, Animesh Mukherjee, and Kuntal Ghosh. “Constant community identification in million-scale networks.” *Social Network Analysis and Mining* 12, no. 1 (2022): 70, <https://doi.org/10.1007/s13278-022-00895-8>, 2022.

Book Chapter

- Swarup Chattopadhyay, Anjan Chowdhury, and Kuntal Ghosh. “Application of Machine-Learning Techniques in the Development of Neighbourhood-Based Robust Recommender Systems.” In *Recommender Systems*, pp. 203-233. CRC Press, <https://doi.org/10.1201/978100331912213>, 2023.