

## Publications

1. R. Kundu, T. Mahmoodi, **Mining Acute Stroke Patients' Data Using Supervised Machine Learning**, in Mathematical Aspects of Computer and Information Sciences: 7th International Conference, MACIS 2017, Proceedings, J. Blömer et al., Eds., Cham: Springer International Publishing, pp. 364–377.
2. C. S. Iliopoulos, R. Kundu and S. P. Pissis, **Efficient Pattern Matching in Elastic-Degenerate Texts**, in *Language and Automata Theory and Applications: 11th International Conference (LATA) Proceedings*, Springer, 2017, pp. 131–142.
3. I. Fontana, G. Giacalone, A. Bonanno, S. Mazzola, G. Basilone, S. Genovese, S. Aronica, S. Pissis, C. S. Iliopoulos, R. Kundu, A. Fiannaca, A. Langiu, G. L. Bosco, M. L. Rosa, R. Rizzo, "Pelagic Species Identification by using a Probabilistic Neural Network and Echo-sounder Data", in Artificial Neural Networks and Machine Learning – ICANN 2017: 26th International Conference on Artificial Neural Networks, Proceedings, A. Lintas et al., Eds., Cham: Springer International Publishing, pp. 454–455.
4. M. Crochemore, C. S. Iliopoulos, T. Kociumaka, R. Kundu, S. P. Pissis, J. Radoszewski, W. Rytter, T. Walen, **Near-Optimal Computation of Runs over General Alphabet via Non-Crossing LCE Queries**, in *International Symposium on String Processing and Information Retrieval (SPIRE)*, Springer, 2016, pp. 22–34.
5. C. S. Iliopoulos, R. Kundu and M. Mohamed, **Efficient Computation of Clustered-Clumps in Degenerate Strings**, in *Artificial Intelligence Applications and Innovations (AIAI) Proceedings*, Springer, 2016, pp. 510–519.
6. C. S. Iliopoulos, R. Kundu, M. Mohamed, F. Vayani, **Popping Superbubbles and Discovering Clumps: Recent Developments in Biological Sequence Analysis**, in *Algorithms and Computation: 10th International Workshop (WALCOM) Proceedings*, Springer, 2016, pp. 3–14.
7. M. Crochemore, C. S. Iliopoulos, R. Kundu, M. Mohamed, F. Vayani, **Linear algorithm for conservative degenerate pattern matching**, *Engineering Applications of Artificial Intelligence*, vol. 51, 2016, pp. 109 - 114.
8. L. Brankovic, C. S. Iliopoulos, R. Kundu, M. Mohamed, S. P. Pissis, F. Vayani, **Linear-Time Superbubble Identification Algorithm for Genome Assembly**, *Theoretical Computer Science*, vol. 609, Part 2, 2016, pp. 374 - 383.
9. C. Barton, C. S. Iliopoulos, R. Kundu, S. P. Pissis, A. Retha, F. Vayani, **Accurate and efficient methods to improve multiple circular sequence alignment**, in *Experimental Algorithms: 14th International Symposium, (SEA) Proceedings*, Springer, 2015, pp. 247–258.
10. C. S. Iliopoulos, R. Kundu and S. P. Pissis, **Efficient Pattern Matching in Elastic-Degenerate Strings** (Submitted as extended version to the special issue of *Journal of Information and Computation*).
11. C. S. Iliopoulos, R. Kundu, M. Mohamed, S. P. Pissis, **Longest Unbordered Factor in  $O(n \log n)$  Time** (Submitted).