

# Appendix A

## List of Publications

- [1] **Joydeb Ghosh** (with S. K. Ghosh and R. K. Pal). A new algorithm to represent a given  $k$ -ary tree into its equivalent binary tree structure. *Journal of Physical Sciences*, Vol. 12, pp. 253-264, Dec. 2008.
- [2] **Joydeb Ghosh** (with S. K. Ghosh and R. K. Pal). An algorithm for converting a given  $k$ -ary tree into its equivalent binary tree. *Proc. of the First International Conference on Computer, Communication, Control and Information Technology (C3IT 2009)*, pp. 56-62, 2009.
- [3] **Joydeb Ghosh** (with S. K. Ghosh and R. K. Pal). Two new solutions of the eight coins problem. *Proc. of the First International Conference on Computer, Communication, Control and Information Technology (C3IT 2009)*, pp. 85-92, 2009.
- [4] **Joydeb Ghosh** (with S. K. Ghosh and R. K. Pal). A revisit to the eight coins problem. *International Journal of Computing and Information Technology*, vol. 2, no. 1, pp. 1-14, 2010.
- [5] **Joydeb Ghosh** (with D. Dhal and R. K. Pal). A generalized algorithm for solving  $n$  coins problem. *Proc. of the IEEE International Conference on Computer Science and Automation Engineering (CSAE 2011)*, Shanghai, China, vol. 2, pp. 411-415, 2011.
- [6] **Joydeb Ghosh** (with P. Senmajumdar, S. Maitra, D. Dhal, and R. K. Pal). Yet another algorithm for solving  $n$  coins problem. *Assam University Journal of Science & Technology: Physical Sciences and Technology*, vol. 8, no. 2, pp. 118-125, May 2011.

- [7] **Joydeb Ghosh** (with L. Dey, A. Nandy, A. Chakraborty, P. Datta, R. K. Pal, and R. K. Samanta). An advanced approach to solve two counterfeit coins problem. *Annals of Pure and Applied Mathematics*, vol. 7, no. 1, pp. 77-82, 2014.
- [8] **Joydeb Ghosh** (with P. Datta, A. Chakraborty, A. Nandy, L. Dey, R. K. Pal, and R. K. Samanta). An endeavour to find two unequal false coins. *Proc. of the Eighth International Conference on Electrical and Computer Engineering (ICECE 2014)*, Dhaka, Bangladesh, pp. 333-336, 2014.
- [9] **Joydeb Ghosh** (with A. Chakraborty, P. Datta, L. Dey, A. Nandy, R. K. Pal, and R. K. Samanta). The first algorithm for solving two coins counterfeiting with  $\omega(\Delta H) = \omega(\Delta L)$ , *Proc. of the Eighth International Conference on Electrical and Computer Engineering (ICECE 2014)*, Dhaka, Bangladesh, pp. 337-340, 2014.
- [10] **Joydeb Ghosh** (with A. Chakraborty, P. Datta, L. Dey, A. Nandy, R. K. Pal, and R. K. Samanta). An algorithm for identifying two unequal heavier/lighter coins out of  $n$  given coins. *Proc. of the Third International Conference on Computer, Communication, Control and Information Technology (C3IT 2015)*, pp. 1-6, IEEE, 2015.
- [11] **Joydeb Ghosh** (with A. Chakraborty, P. Datta, A. Nandy, and R. K. Pal). Anomaly detection and three anomalous coins problem. *Advanced Computing and Systems for Security*, University of Calcutta, Kolkata, pp. 303-320, Springer India, 2015.
- [12] **Joydeb Ghosh** (with P. Datta, A. Chakraborty, R. K. Pal, and R. K. Samanta). On Variations of Two Anomalous Coins Problem. *Manuscript*, 2018.