

List of Publications

Link to Google Scholar: https://scholar.google.co.in/citations?hl=en&user=J_OIERUAAAAJ

Link to DBLP: https://dblp.org/pers/hd/j/Jana:Prasanta_K=

A. Books / Book Chapters

1. Rashmi Ranjan Rout , Soumya Kanti Ghosh , P. K. Jana, Asis Kumar Tripathy, Jyoti Prakash Sahoo, Kuan-Ching Li, *Advances in Distributed Computing and Machine Learning: Proceedings of ICADCML 2022: 427 (Lecture Notes in Networks and Systems) (Springer)*, 2022.
2. Tomar, Abhinav, and P. K. Jana. "Design of Efficient Algorithms for Mobile Charging in Wireless Sensor Networks." *Intelligent Technologies: Concepts, Applications, and Future Directions*. Springer, Singapore, pp. 1-28, 2022.
3. Pratyay Kuila and P. K. Jana, Clustering and Routing Algorithms for Wireless Sensor Networks: Energy Efficiency Approaches, 1st Ed., **CRC Press (Taylor & Francis Group)**, ISBN 9781498753821, 2017.
4. Ankita Sinha and P. K. Jana, Clustering Algorithms for Big Data: A Survey, book chapter in *The Human Element of Big Data: Issues, Analytics, and Performance*, **CRC Press (Chapman and Hall)**, pp.143-162, 2016.
5. Pratyay Kuila and P. K. Jana, Evolutionary Computing Approaches for Clustering and Routing in Wireless Sensor Networks, book chapter in *Handbook of Research on Natural Computing for Optimization Problem*, **IGI Global**, pp. 246-266, 2016.
6. Damodar Reddy, P. K. Jana, and S. Machavarapu, KD-Tree Based Clustering for Gene Expression Data, book chapter in *Encyclopedia of Business Analytics and Optimization*, **IGI Global**, pp. 1343-1357, February 2014.
7. Damodar Reddy and P. K. Jana, Clustering Algorithms for Biological Data, **LAP Lambert Academic Publishing**, ISBN 978-3-659-45474-5, 2013.
8. Kenny T. Lucas and P. K. Jana, Mapping of Algorithms on Parallel Architectures, **LAP Lambert Academic Publishing, Germany**, ISBN 978-3-8465-5857-7, 2011.
9. Sudhanshu K. Jha and P. K. Jana, Study and Design of Parallel Algorithms for interconnection networks, **LAP Lambert Academic Publishing, Germany**, ISBN 978-3-8454-3829-0, 2011.
10. Dheeresh K. Mallick and P. K. Jana, A monograph on Design of Parallel Algorithms and Architecture for Numeric and Non-numeric Problems, **LAP Lambert Academic Publishing, Germany**, ISBN 978-3-8433-9341-6, 2011.

11. P. K. Jana et. al. Recent Advances on Information Technology, Edited Volume, (Proc. of the National Seminar (RAIT-2007), Feb. 26-27, 2007, Indian Institute of Technology (ISM) Dhanbad, **Allied Publishers Pvt. Ltd., New Delhi**, 2007.
12. C. Kumar, S. Mukhopadhyay, G. P. Biswas, and P. K. Jana, Recent Advances on Information Technology, Edited Volume, (Proc. of the National Seminar (RAIT-2009), **Allied Publishers Pvt. Ltd., New Delhi**, 2009.

B. International Journals

1. Raj Anwit, P. K. Jana and M. S. Obaidat, "Obstacle Adaptive Smooth Path Planning for Mobile Data Collector in the Internet of Things," **IEEE Transactions on Sustainable Computing**, doi: 10.1109/TSUSC.2023.3281886. **SCIE/Q1 (WoS)**
2. Deepak K. Rakesh, Raj Anwit and P. K. Jana, "A new ranking-based stability measure for feature selection algorithms," **Soft Computing**, vol. 27, pp. 5377–5396, 2023. **SCIE/Q2 (WoS)**
3. Deepak K. Rakesh and P. K. Jana, "An improved differential evolution algorithm for quantifying fraudulent transactions," **Pattern Recognition**, 2023, doi.org/10.1016/j.patcog.2023.109623.
4. Nishant Jain, P. K. Jana, "LRF: A logically randomized forest algorithm for classification and regression problems", **Expert Systems with Applications**, https://doi.org/10.1016/j.eswa.2022.119225, 2022. **SCIE/Q1 (WoS)**
5. Nishant Jain, P. K. Jana, "XRRF: An eXplainable reasonably randomised forest algorithm for classification and regression problems", **Information Sciences**, vol. 613, pp. 139-160, 2022. **SCIE/Q1 (WoS)**.
6. Nidhi Kumari, Anirudh Yadav, P. K. Jana, "Task offloading in fog computing: A survey of algorithms and optimization techniques", **Computer Networks**, 2022, doi.org/10.1016/j.comnet.2022.109137. **SCIE/Q1 (WoS)**
7. A. Kaswan, P. K. Jana and S. K. Das, "A Survey on Mobile Charging Techniques in Wireless Rechargeable Sensor Networks," **IEEE Communications Surveys & Tutorials**, vol. 24, no. 3, pp. 1750-1779, 2022. **SCIE/Q1 (WoS)**
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9. Deepak K. Rakesh and P. K. Jana, "A general framework for class label specific mutual information feature selection method," in **IEEE Transactions on Information Theory**, vol. 68, no. 12, pp. 7996-8014, 2022, **SCIE/Q2 (WoS)**

10. Anirudh Yadav, P. K. Jana, S. Tiwari and A. Gaur, "Clustering-Based Energy Efficient Task Offloading for Sustainable Fog Computing," **IEEE Transactions on Sustainable Computing**, vol. 8, no. 1, pp. 56-67, 2022, [SCIE/Q1 \(WoS\)](#)
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20. Lalatendu Muduli , Devi Prasad Mishra, and P. K. Jana, "Optimized Fuzzy Logic-Based Fire Monitoring in Underground Coal Mines: Binary Particle Swarm Optimization Approach," **IEEE Systems Journal (IEEE)**, vol. 14, no. 2, pp. 3039-3046,, 2020. [SCIE/Q2 \(WoS\)](#)

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24. Kumar Nitesh and P. K Jana, "Convex Hull Based Trajectory Design for Mobile Sink in Wireless Sensor Networks," Accepted in *Intl. Journal of Ad Hoc and Ubiquitous Computing (Inderscience)*, Vol. 30(1), pp. 26-36, 2019. [SCIE/Q4 \(WoS\)](#)
25. Sanjaya K. Panda and P. K. Jana, "Load Balanced Task Scheduling for Cloud Computing: A Probabilistic Approach", *Knowledge and Information Systems (Springer)*, Vol. 61(3), pp. 1607-1631, 2019. [SCIE/Q2 \(WoS\)](#)
26. Sanjaya K. Panda and P. K. Jana, "An Energy-Efficient Task Scheduling Algorithm for Heterogeneous Cloud Computing Systems", *Cluster Computing (Springer)*, Vol. 22(2), pp. 509-527, 2018. [SCIE/Q2 \(WoS\)](#)
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C. National Journals

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D. International Conferences / Edited Volumes

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