

## BOOKS

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1. Gaurav Baranwal, **Dinesh Kumar**, Zahid Raza, Deo Prakash Vidyarthi, "Auction based Resource Provisioning in Cloud Computing", **Springer Briefs in Computer Science, Springer**, 2018, ISBN 978-981-10-8737-0, <https://doi.org/10.1007/978-981-10-8737-0>

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1. **Dinesh Kumar**, Gaurav Baranwal, Yamini Shankar, Deo Prakash Vidyarthi, "A Survey on Nature-Inspired Techniques for Computation Offloading and Service Placement in Emerging Edge Technologies", **World Wide Web, Springer**. (SCIE Indexed, Impact Factor: 2.716), 2022
2. **Dinesh Kumar**, Gaurav Baranwal, Deo Prakash Vidyarthi, "A Survey on Auction based Approaches for Resource Allocation and Pricing in Emerging Edge Technologies", **Journal of Grid Computing, Springer**. (SCIE Indexed, Impact Factor: 3.986), 2022. <https://doi.org/10.1007/s10723-021-09593-9>
3. **Dinesh Kumar**, Gaurav Baranwal, Deo Prakash Vidyarthi, "Fair Resource Allocation Policies in Reverse Auction based Cloud Market", **SN Computer Science, Springer**. Article number: 483, 2021. (Scopus Indexed). <https://doi.org/10.1007/s42979-021-00907-y>
4. **Dinesh Kumar**, Gaurav Baranwal, Zahid Raza, Deo Prakash Vidyarthi, "A Truthful Combinatorial Double Auction Based Marketplace Mechanism for Cloud Computing", **Journal of Systems and Software, Elsevier**, Volume -140, pp. 91-108, 2018. (SCIE Indexed), Impact Factor: 2.450. <https://doi.org/10.1016/j.jss.2018.03.003>
5. **Dinesh Kumar**, Gaurav Baranwal, Zahid Raza, Deo Prakash Vidyarthi, "A Survey on Spot Pricing in Cloud Computing", **Journal of Network and Systems Management, Springer**, Volume 26, No. 4, pp. 809-856, 2018. (SCIE Indexed), Impact Factor: 2.250, <https://doi.org/10.1007/s10922-017-9444-x>
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7. Gaurav Baranwal, **Dinesh Kumar**, Zahid Raza, Deo Prakash Vidyarthi, "A Negotiation based Dynamic Pricing Heuristic in Cloud Computing", **International Journal of Grid and Utility Computing, Inderscience**, Volume-9, No. 1, pp. 83-96, 2018 (Scopus Indexed) <https://doi.org/10.1504/IJGUC.2018.090230>

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1. **Dinesh Kumar**, Ashish Kumar Maurya, Gaurav Baranwal. "IoT services in healthcare industry with fog/edge and cloud computing", in **IoT based Data Analytics for Healthcare Industry, Elsevier**, 2020. <https://doi.org/10.1016/B978-0-12-821472-5.00017-X>

2. Gaurav Baranwal, **Dinesh Kumar**, Deo Prakash Vidyarthi. “Feasibility of Providers’ Coalition in Reverse Auction based Cloud Market”, in **Handling Priority Inversion in Time-Constrained Distributed Databases**, pp. 119-129, IGI Global, 2020, <https://doi.org/10.4018/978-1-7998-2491-6.ch007>

## **PUBLICATIONS IN THE PROCEEDINGS OF THE INTERNATIONAL CONFERENCES**

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1. Gaurav Baranwal, **Dinesh Kumar**, “PoSP: A Novel Proof of Service Placement in Blockchain-based Edge Computing”, in 20th International Conference on Pervasive Computing and Communications (PerCom 2022), Pisa, Italy, 2022 (*Accepted*). (**CORE 2021 A\* conference**)
2. Naval Kumar, **Dinesh Kumar**, Pragya Dwivedi, “Load Forecasting for EV Charging Stations Based on Artificial Neural Network and Long Short Term Memory”, in International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2021), in BHU, Varanasi, India, 2021. [https://doi.org/10.1007/978-3-030-96040-7\\_37](https://doi.org/10.1007/978-3-030-96040-7_37)
3. Nitish Gupta, Ashutosh Soni, Yogesh Kumar Gond, **Dinesh Kumar**, “An E-healthcare System using IoT and Edge Computing”, in 2nd International Conference on Machine Intelligence and Smart Systems (MISS-2K21), in Gwalior, India, 2021. (*In Press*)
4. Mohit Bansal, Aman Jaiswal, Mohd. Asif Ansari, **Dinesh Kumar**, "An Android-based Application for Computation Offloading in Mobile Cloud Computing", in ACM/CSI/IEEECS Research & Industry Symposium on IoT Cloud for Societal Applications (IoTCloud'21), IIIT Kottayam, Kerala, 2021. <http://icentre.iiitkottayam.ac.in/pdfs/IoTCloud/PID136.pdf>
5. Gaurav Baranwal, **Dinesh Kumar**. “DAFNA: Decentralized Auction based Fog Node Allocation in 5G Era”, in 15<sup>th</sup> IEEE International Conference on Industrial and Information Systems (ICIIS), IIT Ropar, India, 2020. <https://doi.org/10.1109/ICIIS51140.2020.9342683>
6. Gaurav Baranwal, **Dinesh Kumar**, Deo Prakash Vidyarthi. “A Multi-Criteria Framework for Smart Parking Recommender System”, in 6<sup>th</sup> IEEE International Smart Cities Conference, New Jersey, USA, 2020. <https://doi.org/10.1109/ISC251055.2020.9239098>
7. **Dinesh Kumar**, Gaurav Baranwal, Zahid Raza, Deo Prakash Vidyarthi. “Fair Mechanisms for Combinatorial Reverse Auction based Cloud Market”, Proceedings of 3<sup>rd</sup> International Conference on Information and Communication Technology for Intelligent Systems (*ICTIS*), 2018. [https://doi.org/10.1007/978-981-13-1747-7\\_26](https://doi.org/10.1007/978-981-13-1747-7_26)
8. **Dinesh Kumar**, Zahid Raza, “A PSO based VM Resource Scheduling Model for Cloud Computing”, Proceedings of IEEE International Conference on Computational Intelligence & Communication Technology (ICICI), 2015, pp. 213-219. <https://doi.org/10.1109/CICT.2015.35>