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JOURNALS PUBLICATION (WEB OF SCIENCE/SCI-E/IF)

1. V Arul Kumar, **N Bhalaji** "Performance analysis of nature inspired load balancing algorithm in cloud environment", *Journal of Ambient Intelligence and Humanized Computing,* 2020, Vol.11, no.5, pp.1-8, **(IF=4.594)**

2. V. Arul Kumar, **N. Bhalaji**, "Load balancing in cloud computing using water wave algorithm", in *Concurrency and Computation Practice and Experience,* 2020, pp.1-10 **(IF=1.16)**

3. **N.Bhalaji**, S.Venkatesh "Enhanced analysis of border surveillance using intruders crossing strategies", *Soft computing, Springer*doi: https://doi.org/10.1007/s00500-019-03962-z,2019, **(IF=2.37)**

4. K. Kabilan,**N. Bhalaji**, Chithra Selvaraj, Mahesh Kumar B, Karthikeyan P T R, " Performance analysis of IoT protocol under different mobility models", *Journal of Computer and Electrical Engineering , Elsevier*, 2018, pp.754-168 **(IF=2.18)**

5. M Srividya, S Mohanavalli, **N Bhalaji** "Behavioural Modeling for Mental Health using Machine Learning Algorithms", *Journal of medical systems (Springer),* Volume 42, Issue 5, Pages 88 **(IF=2.45)**

6. Sundhara Kumar KB, G Krishna, **N Bhalaji**, S Chithra, "BCI Cinematics–A pre-release analyser for movies using H2O deep learning platform", *Journal of Computer and Electrical Engineering, Elsevier*, **(IF=1.74)**

7. M. V. Ranjith Kumar, **N. Bhalaji**, Swathi Singh "An augmented approach for pseudo-free groups in smart cyber physical system", *Cluster Computing (Springer)* **(IF=2.040)**

8. NVS SreeRathna Lakshmi,S.Babu, **N Bhalaji,**"Analysis of clustered QoS routing protocol for distributed wireless sensor network" *Journal of Computer and Electrical Engineering , Elsevier*, (in Press) **(IF = 1.084) (SJR = 0.565 SNIP = 1.164)**

9. **N.Bhalaji,**M.Kathiravan "Mining Frequent And Infrequent Aspect Extraction For Sentiment Classification Using Online Reviews" *Journal of Computational and Theoretical Nanoscience***, (IF = 1.665) (SJR = 0.3, SNIP = 0.9)**

10. M. Umaparvathi**N. Bhalaji** S. Jothi Prasanna and N. Parthiban "Analysis of Creido Enhanced Chord Overlay Protocol under Different Movement Models in Delay Tolerant Networks" *Wireless Personal Communications*, April 2016, pp.1-17. **(IF = 0.653, SNIP = 0.865, SJR = 0.364, IPP = 0.805)**

11. NVS SreeRathna Lakshmi, **N Bhalaji,** B Sivakumar "On the Construction of QoS Based Overlay Architecture for Wireless Local Area Network"*Wireless Personal Communications*, pp.1-13. **(IF = 0.653, SNIP = 0.865, SJR = 0.364, IPP = 0.805)**

JOURNALS PUBLICATION (SCOPUS/ULRICH/DBLP/OTHERS)

1. M.Kathiravan, **N. Bhalaji**, "Online Opinion Mining System to predict the quality of state Uniform system of School Education", **The Online Journal of Distance Education and e-Learning**, vol.6 (1), pp.45-59.

2. **N. Bhalaji,**K.B.Sundharakumar, S.Chithra"Empirical Study of Feature Selection Methods over Classification Algorithms" in **International Journal of Intelligent Systems Technologies and Applications,** Volume 17, Issue 1-2, Pages 98-108, 2018**(SJR = 0.151 SNIP = 0.692)**

3. M. Kathiravan, **N. Bhalaji** "Mining comparative Reviews from web to rank competitors' status for Business Intelligence", *International Journal of Pure and Applied Mathematics*, Volume 101, Issue 5, pp.877-892. **(SJR=0.322)**

4. S. Chithra, N. Bhalaji "Enhanced Portable Text to Speech Converter for visually impaired" in **International Journal of Intelligent Systems Technologies and Applications,** Volume 17, Issue 1-2, Pages 42-54, 2018 **(SJR = 0.151 SNIP = 0.692)**

5. VaikkunthMugunthan, Shrihari.S, **N.Bhalaji** "Analysis of New L5 Algorithm Embedded with Modified AES Algorithm in Address AllocationSchemes" in *Journal of Telecommunication, Electronic and Computer Engineering,* Vol. 8 No. 6, pp. 133-136. **(SJR = 0.1)**

LIST OF PUBLICATIONS BY N.BHALAJI IN SCIENCE DIRECT (ELSEVIER)

1. **N.Bhalaji**, Dr.A.Shanmugam " Dynamic Trust Based Method to Mitigate Greyhole Attack in Mobile AdhocNetworks" (ICCTSD'11) Procedia Engineering pp. 907-914.**(SJR=0.040)**

2. A.Prakash, M.Satish, T.Sri Sai Bhargava, **N. Bhalaji**, "Detection and mitigation of DOS attacks using stratified architecture", in ICRTCSE 2016,in Elsevier-Procedia Computer Science. **(SNIP = 0.865, IPP = 0.805)**

3. G.Krishna, Gautham Krishna, **N.Bhalaji** "Analysis of Routing Protocol for Low-Power and Lossy Networks in IoT Real Time Applications" in ICRTCSE 2016, in Elsevier- Procedia Computer Science. **SNIP = 0.865, IPP = 0.805)**

LIST OF PUBLICATIONS BY N. BHALAJI IN SPRINGER (LNCS-CCIS) SERIES

1. Sundhara Kumar K.B and Dr. N. Bhalaji "A novel hybrid RNN-ELM architecture for crime classification" in **Lecture Notes on Data Engineering and Communications Technologies,** vol 44. Springer, Cham. pp 876-882, 2020, (https://doi.org/10.1007/978-3-030-37051-0_98)

2. V. Arul Kumar, N. Bhalaji, "Resource Scheduling algorithms for Cloud Computing Environment: a Literature Survey", in **Lecture Notes in Networks and Systems**and Systems, vol 89. Springer, Singapore. pp.1059-1069, 2020 https://doi.org/10.1007/978-981-15-0146-3_102

3. N. Bhalaji, P. C. Abilashkumar, S. Aboorva "A Blockchain Based Approach for Privacy Preservation in Healthcare IoT", in **ICICCT 2019– System Reliability, Quality Control, Safety, Maintenance and Management,** pp.465-473

4. N. Bhalaji, K. S. Hariharasudan,K. Aashika, "A Trust Based Mechanism to Combat Blackhole Attack in RPL Protocol" in **ICICCT 2019 –System Reliability, Quality Control, Safety, Maintenance and Management,** pp.465-473

5. K Kabilan, N Bhalaji, S Chithra "Analysis of 6LOWPAN and CoAP Protocols for Maternal Health Care", In **Lecture notes in Electrical Engineering (Microelectronics, Electromagnetics and Telecommunications) 2019,** pp.171-180

6. **N. Bhalaji,** Jayaram Hariharakrishnan "A Novel Approach towards Enhancing the of Trust Based RPL Protocol in Internet of Things", in **Springer Communications in Computer and Information Science, pp** 813-822, 2019

7. G G., G K., **N Bhalaji** (2017) Electroencephalography Based Analysis of Emotions among Indian Film Viewers. In: Singh D., Raman B., Luhach A., Lingras P. (eds) Advanced Informatics for Computing Research. **Communications in Computer and Information Science,** vol 712. Springer, Singapore, pp.pp 145-155,

8. K.B.Sundharakumar, **N.Bhalaji** "A Study on Classification algorithms for crime records, Smartcom 2016) , ACM Udaipur Chapter , Jaipur, Rajasthan, Aug 6-7, 2016, **Communications in Computer and Information Science, vol 628, pp. 873–880,** ISBN:978-3- 642-14477-6 (Print) 978-3- 642-14478- 3 (Online) (SJR=0.16)

9. **Bhalaji N**., Prasanna S.J., Parthiban N. (2017) Performance Analysis of CREIDO Enhanced Chord Overlay Protocol for Wireless Sensor Networks. In: Satapathy S., Bhateja V., Joshi A. (eds) Proceedings of the International Conference on Data Engineering and Communication Technology. **Advances in Intelligent Systems and Computing, Springer,** vol 468, pp. 489-499.**Print ISBN**978-981-10-1674-5, **Online ISBN**978-981-10-1675-2

10. **N.Bhalaji,**S.Chithra "Comprehensive Trust Based scheme to combat malicious nodes in MANET Based Cyber Physical Systems" in **Advances in Intelligent Systems and Computing (AISC) by Springer Singapore,** vol.508, pp. 543-550,ISSN Number - 2194 – 5357.