

List of Publications

1. Kumari, P., & **Seeja, K. R.** (2021). A novel periocular biometrics solution for authentication during Covid-19 pandemic situation. *Journal of Ambient Intelligence and Humanized Computing*, 1-17.(**SCI Impact factor: 4.594**)
<https://link.springer.com/article/10.1007/s12652-020-02814-1>
2. Jain, S., **Seeja, K. R.**, & Jindal, R. (2021). Computing semantic relatedness using latent semantic analysis and fuzzy formal concept analysis. *International Journal of Reasoning-based Intelligent Systems*, 13(2), 92-100.(**Scopus indexed**)
<https://www.inderscienceonline.com/doi/abs/10.1504/IJRIS.2021.114635>
3. Jindal, R., **Seeja, K. R.**, & Jain, S. (2020). Construction of domain ontology utilizing formal concept analysis and social media analytics. *International Journal of Cognitive Computing in Engineering*, 1, 62-69.
<https://www.sciencedirect.com/science/article/pii/S2666307420300103>
4. Pandey, P., & **Seeja, K. R.** (2021). Subject independent emotion recognition system for people with facial deformity: an EEG based approach. *Journal of Ambient Intelligence and Humanized Computing*, 12(2), 2311-2320.(**SCI Impact factor: 4.594**)
<https://link.springer.com/article/10.1007/s12652-020-02338-8>
5. Jain, S., **Seeja, K. R.**, & Jindal, R. (2021). A fuzzy ontology framework in information retrieval using semantic query expansion. *International Journal of Information Management Data Insights*, 1(1), 100009.
<https://www.sciencedirect.com/science/article/pii/S2667096821000021>
6. Kumari, P., & **Seeja, K. R.** (2020). Periocular Biometrics for non-ideal images: with off-the-shelf Deep CNN & Transfer Learning approach. *Procedia Computer Science*, 167, 344-352.(**Scopus indexed**)
<https://www.sciencedirect.com/science/article/pii/S1877050920307006>
7. Jain, S., **Seeja, K. R.**, & Jindal, R. (2020). A New Methodology for Computing Semantic Relatedness: Modified Latent Semantic Analysis by Fuzzy Formal Concept Analysis. *Procedia Computer Science*, 167, 1102-1109.(**Scopus indexed**)
<https://www.sciencedirect.com/science/article/pii/S1877050920308784>
8. Kumari P., **K.R.Seeja** (2020) Periocular Biometrics for Non-ideal Images Using Deep Convolutional Neural Networks. In: Bhateja V., Satapathy S., Zhang YD., Aradhya V. (eds) Intelligent Computing and Communication. ICICC 2019. Advances in Intelligent Systems and Computing, vol 1034. Springer, Singapore (**Scopus indexed**)
https://link.springer.com/chapter/10.1007/978-981-15-1084-7_15

9. **Seeja, K. R.** (2019, December). Solving travelling salesman problem with sparse graphs. In *AIP Conference Proceedings* (Vol. 2186, No. 1, p. 170011). AIP Publishing.(**scopus indexed**)
<https://aip.scitation.org/doi/abs/10.1063/1.5138090>
10. Pandey, Pallavi, and **K. R. Seeja.**(2019) "Subject Independent Emotion recognition from EEG using VMD and Deep Learning." *Journal of King Saud University-Computer and Information Sciences* (2019). (published online on 14/11/2019) (**SCIE indexed**)
<https://www.sciencedirect.com/science/article/pii/S1319157819309991>
11. Kumari, Punam, and **K. R. Seeja.**(2019) "Periocular Biometrics: A survey." *Journal of King Saud University-Computer and Information Sciences* (2019). (published online on 06/06/2019) (**SCIE indexed**)
<https://www.sciencedirect.com/science/article/pii/S1319157818313302>
12. Pandey P., **Seeja K.R.** (2019) Subject-Independent Emotion Detection from EEG Signals Using Deep Neural Network. In: Bhattacharyya S., Hassanien A., Gupta D., Khanna A., Pan I. (eds) International Conference on Innovative Computing and Communications. Lecture Notes in Networks and Systems, vol 56. Springer, Singapore(**Scopus indexed**)
https://link.springer.com/chapter/10.1007/978-981-13-2354-6_5
13. Jain, S., **Seeja, K. R.**, & Jindal, R. (2019). Identification of New Parameters for Ontology Based Semantic Similarity Measures. *EAI Endorsed Transactions on Scalable Information Systems*, volume 6(**ESCI indexed**)
<https://eudl.eu/doi/10.4108/eai.19-12-2018.156439>
14. Yadav M., Jain S., **Seeja K.R.** (2019) Prediction of Air Quality Using Time Series Data Mining. In: Bhattacharyya S., Hassanien A., Gupta D., Khanna A., Pan I. (eds) International Conference on Innovative Computing and Communications. Lecture Notes in Networks and Systems, vol 56. Springer, Singapore (**Scopus indexed**)
https://link.springer.com/chapter/10.1007/978-981-13-2354-6_2
15. Nandini, D., & **Seeja, K. R.** (2019). A novel path planning algorithm for visually impaired people. *Journal of King Saud University-Computer and Information Sciences*. Volume 31, Issue 3, 2019, Pages 385-391(**SCIE indexed**)
<http://www.sciencedirect.com/science/article/pii/S1319157816301392>
16. Swain S., **Seeja K.R.** (2019) TWEESSENT: A Web Application on Sentiment Analysis. In: Tiwari S., Trivedi M., Mishra K., Misra A., Kumar K. (eds) Smart Innovations in Communication and Computational Sciences. Advances in Intelligent Systems and Computing, vol 851. Springer, Singapore(**Scopus indexed**)
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17. Pandey P., **Seeja K.R.** (2019) Emotional State Recognition with EEG Signals Using Subject Independent Approach. In: Mishra D., Yang X.S., Unal A. (eds) Data Science and Big Data Analytics. Lecture Notes on Data Engineering and Communications Technologies, vol 16. Springer, Singapore (**Scopus indexed**)
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18. Jain, S., **Seeja, K. R.**, & Jindal, R. (2018) New Method for Semantic Similarity Assessment using Fuzzy Formal Concept Analysis & Fuzzy Set Similarity Measure, International Journal of Recent Technology and Engineering (IJRTE), Volume-7 Issue-4, November 2018 (**Scopus indexed**)
<https://www.ijrte.org/wp-content/uploads/papers/v7i4/E1830017519.pdf>
19. **Seeja, K. R.** (2018). HybridHAM: A Novel Hybrid Heuristic for Finding Hamiltonian Cycle. *Journal of Optimization*, , vol. 2018, Article ID 9328103 (**ESCI indexed**)
<https://www.hindawi.com/journals/jopti/2018/9328103/abs/>
20. Upadhyay, S., Sharma, C., Sharma, P., Bharadwaj, P., & **Seeja, K. R.** (2018). Privacy preserving data mining with 3-D rotation transformation. *Journal of King Saud University-Computer and Information Sciences*, 30(4), 524-530(**SCIE indexed**)
<https://www.sciencedirect.com/science/article/pii/S1319157816301227>
21. Bisht M., **Seeja K.R.** (2018) Air Pollution Prediction Using Extreme Learning Machine: A Case Study on Delhi (India). In: Somani A., Srivastava S., Mundra A., Rawat S. (eds) Proceedings of First International Conference on Smart System, Innovations and Computing. Smart Innovation, Systems and Technologies, vol 79. Springer, Singapore (**Scopus indexed**)
https://link.springer.com/chapter/10.1007/978-981-10-5828-8_18
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24. Swain S., **Seeja K.R.** (2017) Analysis of Epidemic Outbreak in Delhi Using Social Media Data. In: Kaushik S., Gupta D., Kharb L., Chahal D. (eds) Information, Communication and Computing Technology. ICICCT 2017. Communications in Computer and Information Science, vol 750. Springer, Singapore (**Scopus indexed**)

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25. **Seeja K.R.**, Rana J., Priya S., Ahuja L. (2017) A Novel Edge Based Image Steganography Technique. In: Abraham A., Cherukuri A., Madureira A., Muda A. (eds) Proceedings of the Eighth International Conference on Soft Computing and Pattern Recognition (SoCPaR 2016). SoCPaR 2016. Advances in Intelligent Systems and Computing, vol 614. Springer (**Scopus indexed**)
https://link.springer.com/chapter/10.1007/978-3-319-60618-7_7
26. Zareapoor, M., & **Seeja, K. R.** (2015). Feature extraction or feature selection for text classification: A case study on phishing email detection. *International Journal of Information Engineering and Electronic Business*, 7(2), 60.
<http://www.mecspress.org/ijieeb/ijieeb-v7-n2/IJIEEB-V7-N2-8.pdf>
27. **Seeja, K. R.** (2015). Feature selection based on closed frequent itemset mining: A case study on SAGE data classification. *Neurocomputing*, 151, 1027-1032. (**SCI Impact factor: 4.072**)
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31. Vishnoi, M. & **Seeja, K. R.** (2013). Privacy Preserving Data Mining using Attribute Encryption and Data Perturbation. *INTERNATIONAL JOURNAL OF COMPUTERS & TECHNOLOGY*, 6(3), 370-378.
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39. Mohamed Meftah Alrayes, Seeja. K.R (2009), “Building a Standard Template Library for SQL injection Prevention“, Proceedings of National Conference on Recent Developments in Computing and its Applications, pp.492-500.
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44. **K.R. Seeja** (2008) , “Cryptography and National Security”, proceedings of National conference INDIACOM-2008, pp.155-159
45. **K.R Seeja** (2007), “Role of free hardware and software in bridging digital divide”, National Social Science Congress abstracts
46. **K. R. Seeja**, S. Balakrishnan, C. Aravindan, and P. S. Kannan (2000) , Optimization technique in the economic dispatch of electrical power generation, Proceedings of 45th Congress of Indian Society of Theoretical and Applied Mechanics

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1. Seeja.K.R, “Computational Analysis of SAGE Data- Data Mining Approach”, published by LAP Lambert Academy Publishing, Germany, ISBN-978-3-659-20141-7, 2012
2. Seeja.K.R, “DNA Motif Discovery- Intelligent Computing Techniques”, published by LAP Lambert Academy Publishing, Germany, ISBN-978-3-659-39292-4, 2013
3. Alam, M. A., Siddiqui, T., & Seeja, K. R. (2009). Recent Developments in Computing And Its Applications, I K International publishing House. New Delhi, (ISBN 978-93-80026-78-7)