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INTERNATIONAL JOURNAL PUBLICATIONS:

1. S Bama, R Velumani, **NB Prakash**, GR Hemalakshmi, A Mohanarathinam Automatic segmentation of melanoma using superpixel region growing technique. *Materials Today Proceedings*. <https://doi.org/10.1016/j.matpr.2020.08.618> (*Scopus Indexed Elsevier Journal*)
2. M Anuradha, T Jayasankar, **NB Prakash**, Mohamed Yacin Sikkandar, GR Hemalakshmi, C Bharatiraja, A Sagai Francis Britto. IoT enabled Cancer Prediction System to Enhance the Authentication and Security using Cloud Computing. *Microprocessors and Microsystems*. (*SCI Web of Science Indexed & Anna University, Journal IF:1.045*) <https://doi.org/10.1016/j.micpro.2020.103301>
3. GR Hemalakshmi, D Santhi, VRS Mani, A Geetha, **NB Prakash**. Deep Residual Network Based on Image Priors for Single Image Super Resolution in FFA Images. *Computer Modeling in Engineering and Sciences*. 2020:125(1):125-143. (*SCI Web of Science Indexed & Anna University, Annexure List Journal IF:0.805*)
4. Mohamed Yacin Sikkandar, Bader Awadh Alrasheadi, **NB Prakash**, GR Hemalakshmi, A Mohanarathinam, K Shankar. Deep learning based an automated skin lesion segmentation and intelligent classification model. *Journal of Ambient Intelligence and Human Computing (2020)*. <https://doi.org/10.1007/s12652-020-02537-3> (*SCI Web of Science Indexed & Anna University, Annexure List Journal IF:4.594*)
5. Mohamed Yacin Sikkandar, S Sabarunisha Begum, NM Sudharsan, **NB Prakash**. Study of flow dynamic behavior of electrochemical reactor for treating liquid biomedical wastewater. *Desalination and Water Treatment*. 2020:197:67-75. <https://doi.org/10.5004/dwt.2020.25971> (*SCI Web of Science Indexed & Anna University, Annexure List Journal IF:1.320*)
6. G.Kannayeram, **N.B.Prakash**, R.Muniraj. Intelligent hybrid controller for power flow management of PV/battery/FC/SC system in smart grid applications. *International journal of hydrogen energy* 2020: 45(41):21779-21795. (*SCI Web of Science Indexed & Anna University, Annexure List Journal IF:4939*) <https://doi.org/10.1016/j.ijhydene.2020.05.149>

7. Sikkandar M.Y, Jayasankar T, Kavitha K.R, **Prakash N.B**, Natteri.M.Sudharsan, Hemalakshmi G.R. Three factor nonnegative matrix factorization based HE stain unmixing in histopathological images. *Journal of Ambient Intelligence and Human Computing (2020)*. <https://doi.org/10.1007/s12652-020-02265-8> (*SCI Web of Science Indexed & Anna University, Annexure List Journal IF:4.594*)
8. M.Karthikeyan, K.Sharmilee, P.M.Balasubramaniam, **N.B.Prakash**, M.Rajesh Babu, V.Subramaniaswamy, S.Sudhakar. Design and Implementation of ANN-based SAPF Approach for Current Harmonics Mitigation in Industrial Power Systems. *Microprocessor and Microsystems*. 2020;77(103194):1-11. <https://doi.org/10.1016/j.micpro.2020.103194>. (*SCI Web of Science Indexed & Anna University, Annexure List Journal IF:1.045*)
9. E.Punarselvam, T.Kalavathi Devi, A.Sagai Francis Britto, **N.B.Prakash**, and P.Suresh. Segmentation Analysis Techniques and Identifying Stress Ratio of Human Lumbar Spine Using ANSYS. *Journal of Medical Imaging and Health Informatics*. 2020;10(10):2308-2315. (*SCI Web of Science Indexed & Anna University, Annexure List Journal IF:0.659*) <https://doi.org/10.1166/jmih.2020.3170>
10. K.Vijay Anand, K.S.Giridharan, P.Vijayarajan, T.Senthilkumar, **N.B.Prakash**. Power Transformer Fault Detection and Classification Using SVM Classifier. *International Journal of Advanced Science and Technology*. 2020;29(5):6654–6660. (*Scopus Indexed*)
11. E.Punarselvam, Mohamed Yacin Sikkandar, Mohsen Bakouri, **N.B.Prakash**, T.Jayasankar & S.Sudhakar. “Different Loading Condition and Angle Measurement of Human Lumbar Spine MRI Images Using ANSYS. *Journal of Ambient Intelligence and Humanized Computing*. 2020: <https://doi.org/10.1007/s12652-020-01939-7> (*SCI Web of Science Indexed & Anna University, Annexure List Journal IF:4.594*)
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13. M.Aarthilakshmi, S.Meenakshi, A.Poorna Pushkala, V.Rama@Ramalakshmi, **N.B.Prakash**. Brain Tumor Detection Using Machine Learning. *International Journal of Scientific & Technology Research*. 2020;9(4):1976-1979 (*Scopus Indexed*)
14. K.Subbiah Kumar, P.Subashraja, V.Vasanth, M.Venkatesh, **N.B.Prakash**. IoT Based Health Monitoring System. *International Journal of Recent Technology and Engineering (IJRTE)*. 2020;8(6):5216-5218. (*Scopus Indexed*)
15. Peratchiammal M, **Prakash NB**, Vigneshwaran B. Pollution Severity Diagnose on Solid Insulators using the Partial Discharge and Flashover Characteristics. *International Journal of Innovative Technology and Exploring Engineering*. 2020;9(4):2523-2528. (*Scopus Indexed*)

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17. A.Mohanarathinam, S.Kamalraj, **Prakash NB**, Hemalakshmi GR, G.K.D.Prasanna Venkatesan. An Image Based Encryption Algorithm for Multimedia Applications. *International Journal of Engineering and Advanced Technology*. 2019;9(2):3354-3357. *(Scopus Indexed)*
18. Sreehari G S, **Prakash NB**, Karthikeyan M, Vijayarajan P. PSO-Solar Based for PV System for Maximum Power Point Tracking. *Bioscience Biotechnology Research Communications (Special Issue)*. 2019;12(6):63-74. *(ESCI Web of Science Indexed)*
19. **Prakash NB**, Hemalakshmi GR. Efficient Brain Image Segmentation Technique Based on Entropy with Genetic Algorithm. *Bioscience Biotechnology Research Communications (Special Issue)*. 2019;12(6):134-141 *(ESCI Web of Science Indexed)*
20. Kannayeram G, **Prakash NB**, Muniraj R, Sundar B. Optimal Blending of Polymeric Materials for Power Transmission Cable Insulation using CHAOTIC PSO and GA – A Case Study. *Sylwan Journal*. 2019;163(11):52-63. *(SCIE Web of Science Indexed & Anna University, Chennai, Annexure List Journal (S.No.10960) IF: 0.691)*
21. Kannayeram G, **Prakash NB**, Muniraj R, Rajesh NB. Optimal Tuning of UPFC Damping Controller in Solar Penetrated Power System using DBCSO. *Sylwan Journal*. 2019;163(11):40-51. *(SCIE Web of Science Indexed & Anna University, Chennai, Annexure List Journal (S.No.10960) IF: 0.691)*
22. Ayyakrishnan M, Saravanan R, Kannayeram G, **Prakash NB**. Fast Recovery Switching Fault Tolerant Control Schemes for Four Switch Voltage Source Inverter. *Sylwan Journal*. 2019;163(11):29-39. *(SCIE Web of Science Indexed & Anna University, Chennai, Annexure List Journal (S.No.10960) IF: 0.691)*
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27. Selvathi D, **Prakash NB**, Gomathi V, Hemalakshmi GR. Fundus Image Classification Using Wavelet Based Features in Detection of Glaucoma. *Biomedical & Pharmacology Journal*. 2018;11(2):795-805. **(SJR:0.13) Anna Univ. Annexure-II**
28. Kannayeram G, Manoharan PS, **Prakash NB**. PI-tuned UPFC damping controllers design for multi-machine power system. *Journal of Measurements in Engineering*. 2018;6(2):81-92. **(Clarivative Analytics ESCI Indexed)**
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33. **Prakash NB**, Selvathi D. Segmentation of retinal blood vessels in colour fundus images using ANFIS classifier. *International Journal of Biomedical Engineering and Technology*. 2017;24(4):338-355. **(SJR:0.2) Anna Univ. Annexure-I**
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