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**Experience as on 09/01/2018 : 16 years**

- Working as a **Associate Professor** in VIT University, Vellore, Tamilnadu for the past 9 years 7 months from July 2008 to till date
- Worked as a **Assistant Professor** in Sona College of Technology, Salem , Tamilnadu from September 2004 to July 2008
- Worked as **lecturer** in Thiagarajar College Madurai, Tamilnadu from July 2002 to August 2004

**Academic Qualification : ME, D.Lit, P.hD**

- Ph.D. – Thesis Entitled “ Genetic based classification Algorithms for combined LANDSAT and ENVISAT Images”
- Received **Honorary Doctorate** from ITU,USA, 2009.
- Completed Post Graduate in Engineering (**ME-CSE**) with **80%** from Anna University , Chennai, Tamilnadu.

**Editorship:**

1. The Intelligent Networks and Systems Society (INASS) Special Issue: Bio Inspired Heterogeneous Computing for Bioinformatics Applications
2. International Journal of Bioinformatics Research and Applications(IJBRA):Special Issue on: "Bio-Inspired Computing Systems and Their Applications in Medical Image Processing"
3. IIOAB: High Performance and Heterogeneous Computing for Bioinformatics Applications: Algorithms, Architectures and Systems (HCBA)
4. IJIE: International Journal of Intelligent Enterprise- Inderscience: “Special issue on: “Innovative Business Aspects in Embedded Systems”.
5. International Journal of Grid and High Performance Computing (IJGHPC) - Special Issue On: ICT Convergence in High Performance Heterogeneous Computing for Extreme Scale Applications

**Book chapter Editor:**

1. Handbook of Research on Advanced Image Processing Techniques and Applications: IGI Global Copyrights.
2. Emerging Trends in 3D Image Reconstruction and Modeling, IGI Global (formerly Idea Group Inc.), publisher of the "Information Science Reference" (formerly Idea Group Reference), "Medical Information Science Reference," "Business Science Reference,"

and "Engineering Science Reference" imprints

**Recent Papers published:**

1. Gopinath, M. P., Prabu, S., Murali, S., Mohanasundaram, R., & Kumar, N. S. (2017). A COMPUTER AIDED SYSTEM TO DETECT BREAST MASSES USING DIGITAL, 8(12), 309–315.
2. Kumar, S., Jain, H. A. R. S. H. I. T., & ESHWA, S. C. (2017). LEPROSY DETECTION USING IMAGE PROCESSING AND DEEP LEARNING. Journal of Global Pharma Technology, 9(9).
3. Dave, G. P., Sureshkumar, N., & Lincy, S. B. T. (2017, November). Performance evaluation of throughput computing workloads using multi-core processors and graphics processors. In IOP Conference Series: Materials Science and Engineering (Vol. 263, No. 4, p. 042101). IOP Publishing.
4. Mohanasundaram, R., Kumar, N. S., Ashok, V., & Poorani, S. (2017). Congestion Control Using Congestion Free Routers, 117(15), 287–298. Natesan, Suresh Kumar. N.
5. “A survey on various methods of potential fishing zone identification “, volume no.9, issue no:40, pp 697-703, International Journal of Control Theory and Applications, 2016.
6. Shivendra Singh, Pankaj Kedia and Suresh Kumar Nagarajan, “Android controlled autonomous robot car”, Inderscience Enterprises Ltd.
7. Blessy Trencia Lincy.S.S., Suresh Kumar.N., “Enhanced Predictive Model for HealthCare Analytics – A Case Study on Diabetes Mellitus “ Journal of Engineering and Applied Sciences, (www.medwelljournals.com),2017.
8. Suresh Kumar.N, Shantharajah.S.P., Senthil Murugan.B., X.Z.Gao, “Satellite Image Processing for Biomass Estimation”, Journal of Global Pharma Technology(JGPT).
9. “Survey of Workflow Management Tools for Grid Computing Environment”, Suresh Kumar N, School of Computing Science and Engineering, VIT University, Vellore, Tamilnadu, India. International Journal Of Pharmacy & Technology.
10. Balakrishnan, S. M., & Nagarajan, S. K. Performance Analysis of Ant Colony Optimization and Genetic Algorithm for Cloud Load Balancing, 2016.
11. “Identification of Green Ratio in Geographical Map Using Image Processing Techniques”, Suresh Kumar, Associate Professor, VIT Univeristy, Vellore, Tamilnadu, IJPT| Dec-2016 | Vol. 8 | Issue No.4 | 21619-21628
12. Kumar, N. S., & Arun, M. (2016). Accuracy analysis of various classification algorithms for used land. International Journal of Enterprise Network Management, 7(2), 113-132
13. Suresh Kumar.N, Arun.M. “Genetic Algorithm based feature Selection for classification of land cover changes using LANDSAT and ENVISAT images”, International Journal of Bio-inspired computation.
14. Kumar, N. S., & Arun, M. (2015). Enhanced classification algorithms for the satellite image processing. Indian Journal of Science and Technology, 8(15)
15. “Remote sensing image retrieval using object-based, semantic classifier techniques”, Suresh Kumar.N , M. Arun and Mukesh Kumar Dangi. International Journal of Information and Communication Technology.

16. Kumar, N. S., & Manoharan, A. Deforestation Identification Model using Satellite Images by Color Based Segmentation.2015.
17. Kumar, N. S., Anuncia, S. M., & Prabu, M. (2014). Fuzzy-Based Satellite Image classification to find Greenery and Used Land. International Journal of Tomography & Simulation™, 25(1), 75-85.
18. Kumar, S., Anuncia, M., Johnson, S., Agarwal, A., & Dwivedi, P. (2012, December). Agriculture change detection model using remote sensing images and GIS: Study area Vellore. In Radar, Communication and Computing (ICRCC), 2012 International Conference on (pp. 54-57). IEEE.
19. Maiti, A., & Kumar, S. K. Y. N. S. Applying Enhanced k-Nearest Neighbor Approach On Satellite Images for Forest Biomass Estimation of Vellore District.2012.
20. Nagarajan, S. K., & Saravanan, S. (2012). Content-based medical image annotation and retrieval using perceptual hashing algorithm. International Organisation of Scientific Research Journal, 2(4), 814-818.
21. Kumar, N. S., Anuncia, S. M., & Prabu, M. (2013). Application of Satellite Remote Sensing to find Soil Fertilization by using Soil Colour: study area Vellore District, Tamil Nadu, India. International Journal of Online Engineering (iJOE), 9(2), 44-49.
22. Nagarajan, S. K., & Anuncia, S. M. (2010). Identifying Grades of Glioma using support vector machine recursive feature elimination. International Journal of Advanced Research in Computer Science, 1(4).
23. Kumar, N., & Shanker, K. (2000). A genetic algorithm for FMS part type selection and machine loading. International Journal of Production Research, 38(16), 3861-3887
24. Kumar, N., & Shanker, K. (2001). Comparing the effectiveness of workload balancing objectives in FMS loading. International Journal of Production Research, 39(5), 843-871.

#### **Recent Book published** : International

1. Suresh Kumar Nagarajan, "Handbook of Research on Fuzzy and Rough Set Theory in Organizational Decision Making" Chapter 12: Genetic-Based Estimation of Biomass Using Geographical Information System: Study Area Vellore, (VIT University, India), 2017, 10.4018/978-1-5225-1008-6.ch012.
2. "Sustainable Green Cloud Computing: Informatics and Systems", 2017, by Arun Kumar Sangaiah and N. Suresh Kumar, CRC Press.

#### **Funding Project** :

- Grid based Application development for satellite image processing, Funding Agency : **ISRO** Duration: 2012-2014,  
Funding Amount: 10.63 L.
- Mathematical model for Silver Zinc Batteries, Fund: 8L  
Funding Agency : **DRDO** Duration : 2002-2004

**Consultancy Service:**

- TVS Streads, Maraimalai nagar, Chennai.,  
Automation of Quality Management Department.(on going ).
- JBL Auto India Ltd. Consultant for their IT Projects (on going)
- Dong A-India Automotive Private Limited, Thandalam, Chennai  
Automation of Quality control Department, Completed in the year 2008.

**Personal Details:**

Gender	: Male
Born on	: 15 <sup>th</sup> June 1979
Age	: 38 year
Permanent Address	: Plot no:83, “Suresh Cottage” I Cross St, Thiruvalluver Nagar, Palanganatham, Madurai.

(N.Suresh Kumar)