

**Dr M Janaki Meena, ME, PhD**

**Professor SCOPE**

**VIT Chennai**

[janakimeena.m@vit.ac.in](mailto:janakimeena.m@vit.ac.in)

9843358320

Teaching experience - 20 years

**Completed PhD - 2011**

**Research Area** - Text analytics, Deep Learning Algorithms, Under water image processing

**Subjects taught** - Python, C, C++ programming, Data Structures, Deep Learning and its applications

### **Publication Details for past five years**

<b>Year</b>	<b>SCI</b>	<b>Scopus</b>	<b>Non-Scopus</b>	<b>Total</b>
2020	0	1	0	1
2019	1	3	0	4
2018	0	2	0	2
2017	0	4	0	4
2016	0	1	3	4

#### **Year: 2020**

**Title:** An edge detection mechanism using L\*A\*B Color-based contrast enhancement for underwater images

**Publisher:** Indonesian Journal of Electrical Engineering and Computer Science

**Indexed in:** Scopus

**Volume** 18, **Issue** 1

**Month & Year:** 04, 2020

**Page Numbers:** 41-48

**ISSN:** 2502-4752

**URL:** <http://ijeecs.iaescore.com/index.php/IJECS/article/view/19338>

#### **Year: 2019**

**Title:** Applications of Memetic Algorithms in Image Processing Using Deep Learning

**Type of Journal:** Book Chapter

Publisher: *Recent Advances on Memetic Algorithms and its Applications in Image Processing* , Springer, Singapore

Indexed in: SCOPUS

Volume: 873

Month & Year: 12, 2019

Pages: 69-91

ISBN: 978-981-15-1361-9 (Print)

Cite:

Laby, K., et al. "Applications of Memetic Algorithms in Image Processing Using Deep Learning." *Recent Advances on Memetic Algorithms and its Applications in Image Processing*. Springer, Singapore, 2020. 69-91.

URL: <https://www.springerprofessional.de/en/applications-of-memetic-algorithms-in-image-processing-using-dee/17481478>

#### **Year: 2019**

Title: Big data analytics framework to analyse student's performance

Journal Name: International Journal of Computational Complexity and Intelligent Algorithms  
Volume 1, Issue 2

Month & Year: 11, 2019

Indexed in: Scopus

Page Numbers: 154-164

ISSN/ISBN Nos: 2048-4720

Cite:

Lakshmi, Vempati Amrutha, M. Janaki Meena, and SP Syed Ibrahim. "Big data analytics framework to analyse student's performance." *International Journal of Computational Complexity and Intelligent Algorithms* 1.2 (2019): 154-164.

URL: <http://www.inderscience.com/offer.php?id=103745>

#### **Year: 2019**

**Title:** An efficient interactive segmentation algorithm using color correction for underwater images

Journal Name: Springer, Wireless Networks

Volume: Yet to be assigned

Month & Year: 06, 2019

Indexed in: Scopus

Page Numbers: 1-12

Impact factor – 2.405

ISSN/ISBN Nos: 1022-0038

Cite:

Sudhakar, M., and M. Janaki Meena. "An efficient interactive segmentation algorithm using color correction for underwater images." *Wireless Networks* (2019): 1-12.

URL: <https://link.springer.com/article/10.1007/s11276-019-02044-0>

### **Year: 2019**

Title: Underwater Image Enhancement using Conventional Techniques with Quality Metrics

Journal Name: International Journal of Innovative Technology and Exploring Engineering

Month & Year: May 2019

Volume: 8, Issues 7S

Page Numbers: 241-249

ISSN/ISBN Nos: 2278-3075

Cite:

M. Sudhakar and M. Janaki Meena. "Underwater Image Enhancement using Conventional Techniques with Quality Metrics" International Journal of Innovative Technology and Exploring Engineering [Online], Volume-8, Issue-7S, May 2019: 241-249

URL: <https://www.ijitee.org/wp-content/uploads/papers/v8i7s/G10450587S19.pdf>

### **Year: 2018**

Title: A novel method to detect foreground region using morphological operations with block based enhancement for underwater images

Journal Name: International Journal of Engineering & Technology

Volume 7, Issue 3

Month & Year: 01, 2019

Indexed in: Scopus

Page Numbers: 1751-1756

ISSN/ISBN Nos: 2227524X

Cite:

Sudhakar, M., and M. Janaki Meena. "A novel method to detect foreground region using morphological operations with block based enhancement for underwater images." *International Journal of Engineering & Technology* 7.3 (2018): 1751-1756.

URL: <https://www.sciencepubco.com/index.php/ijet/article/view/13159>

**Year: 2018**

Title: An Efficient Eye Region Detection by Gamma Correction for Real Time Application

Journal Name: Journal of Advanced Research in Dynamical and Control Systems

Volume 9, Issue 8

Month & Year: 11, 2018

Indexed in: Scopus

Page Numbers: 237-248

ISSN/ISBN Nos: 1943023X

M. Sudhakar and M. Janaki Meena. "An Efficient Eye Region Detection by Gamma Correction for Real Time Application", Journal of Advanced Research in Dynamical and Control Systems, Vol. 9, Issue 8, NOV.2017.

URL: <https://www.jardcs.org/backissues/abstract.php?archiveid=1977>

**Year: 2017**

Title: SURVEY ON ADVISOR INTELLIGENCE THROUGH PURCHASE PATTERNS AND SALES ANALYTICS

Journal Name: Asian Journal of Pharmaceutical and Clinical Research

Volume – Special Issue

Month & Year: 04, 2017

Indexed in: Scopus

Page Numbers: 302-304

ISSN/ISBN Nos: 0974-2441

Cite:

Pradhan, Gayatri & Gollapalli, Sarath & Janakimeena, M & Sp, Syedibrahim. (2017). Survey on advisor intelligence through purchase patterns and sales analytics. Asian Journal of Pharmaceutical and Clinical Research. 10. 302. 10.22159/ajpcr.2017.v10s1.19743.

URL: <https://innovareacademics.in/journals/index.php/ajpcr/article/view/19743/11839>

**Year: 2017**

Title: A SURVEY PAPER ON ELASTIC SEARCH SIMILARITY ALGORITHM

Journal Name: Asian Journal of Pharmaceutical and Clinical Research

Volume – Special Issue

Month &Year: 04, 2017

Indexed in: Scopus

Page Numbers: 361-364

ISSN/ISBN Nos: 0974-2441

Cite:

Nath, N. D., S. Jha, J. M. M, and S. S.p. “A SURVEY PAPER ON ELASTIC SEARCH SIMILARITY ALGORITHM”. *Asian Journal of Pharmaceutical and Clinical Research*, Vol. 10, no. 13, Apr. 2017, pp. 361-4, d-oi:10.22159/ajpcr.2017.v10s1.19757.

URL: <https://innovareacademics.in/journals/index.php/ajpcr/article/view/19757>

**Year: 2017**

Title: MEDIA MIX MODELING COMPARISON OF INTERACTION MODEL TO SIMPLE LOG-LINEAR MODEL

Journal Name: Asian Journal of Pharmaceutical and Clinical Research

Volume -

Month &Year: 04, 2017

Indexed in: Scopus

Page Numbers: 390-393

ISSN/ISBN Nos: 0974-2441

Sharma, P., M. J. Meena, and S. P. S. Ibrahim. “MEDIA MIX MODELING COMPARISON OF INTERACTION MODEL TO SIMPLE LOG-LINEAR MODEL”. *Asian Journal of Pharmaceutical and Clinical Research*, Vol. 10, no. 13, Apr. 2017, pp. 390-3, doi:10.22159/ajpcr.2017.v10s1.19763.

URL: <https://innovareacademics.in/journals/index.php/ajpcr/article/view/19763>

**Year: 2017**

Title: CLOUD-BASED DATA ANALYTICS FRAMEWORK FOR MOBILE APP EVENT ANALYSIS

Journal Name: Asian Journal of Pharmaceutical and Clinical Research

Volume – Special Issue

Month &Year: 04, 2017

Indexed in: Scopus

Page Numbers: 207-210

ISSN/ISBN Nos: 0974-2441

Cite:

Vaidya, P. V., J. M. M, and S. I. Sp. "CLOUD-BASED DATA ANALYTICS FRAMEWORK FOR MOBILE APP EVENT ANALYSIS". *Asian Journal of Pharmaceutical and Clinical Research*, Vol. 10, no. 13, Apr. 2017, pp. 207-10, doi:10.22159/ajpcr.2017.v10s1.19639.

URL: <https://innovareacademics.in/journals/index.php/ajpcr/article/view/19639>

**Year: 2016**

Title: Mining Frequent Itemsets in Real Time

Journal Name: Smart Innovation, Systems and Technologies 49, Springer

Volume: Special Issue

Month &Year: 03, 2016

Indexed in: Non- Scopus

Page Numbers: 325 - 334

ISSN/ISBN Nos 2190-3018

Cite:

Nath, Nilanjana & Meena, Janaki & Ibrahim, Syed. (2016). Mining Frequent Itemsets in Real Time. 10.1007/978-3-319-30348-2\_27.

URL: [https://link.springer.com/chapter/10.1007%2F978-3-319-30348-2\\_27](https://link.springer.com/chapter/10.1007%2F978-3-319-30348-2_27)

**Year: 2016**

Title: Efficient Mining of Top k-closed Itemset in Real Time

Journal Name: 3rd International Symposium on Big Data and Cloud Computing Challenges

Volume: Special Issue

Month &Year: 03, 2016

Indexed in: Non- Scopus

Page Numbers: 317 - 324

ISSN/ISBN Nos 2190-3018

Cite:

Shah, Riddhi Anjankumar, M. Janaki Meena, and SP Syed Ibrahim. "Efficient Mining of Top k-Closed Itemset in Real Time." *Proceedings of the 3rd International Symposium on Big Data and Cloud Computing Challenges (ISBCC-16)*. Springer, Cham, 2016.

URL: <https://www.springerprofessional.de/efficient-mining-of-top-k-closed-itemset-in-real-time/7495804>

**Year: 2016**

Title: Twitter Data Classification Using Side Information

Journal Name: Smart Innovation, Systems and Technologies 49, Springer

Volume: Special Issue

Month & Year: 03, 2016

Indexed in: Non- Scopus

Page Numbers: 363 t-368

ISSN/ISBN Nos: 2190-3018

Cite:

Barapatre, Darshan, M. Janaki Meena, and SP Syed Ibrahim. "Twitter data classification using side information." *Proceedings of the 3rd International Symposium on Big Data and Cloud Computing Challenges (ISBCC-16)*. Springer, Cham, 2016.

URL: [https://link.springer.com/chapter/10.1007%2F978-3-319-30348-2\\_31](https://link.springer.com/chapter/10.1007%2F978-3-319-30348-2_31)

**Year: 2016**

Title: Statistical and Evolutionary Feature Selection Techniques parallelized using MapReduce Programming Model

Journal Name: Techniques and Environments for Big Data Analysis

Publication Type: Book Chapter

Volume: 17

Month & Year: Feb, 2016

Indexed in: Scopus

Page Numbers: 25

ISSN/ISBN Nos: 978-3-319-27518-5 (Print ISBN)

Publisher name: Springer, Cham

Citation:

Meena, M. Janaki, and SP Syed Ibrahim. "Statistical and Evolutionary Feature Selection Techniques Parallelized Using MapReduce Programming Model." *Techniques and Environments for Big Data Analysis*. Springer, Cham, 2016. 159-180.

URL: <https://www.springerprofessional.de/en/statistical-and-evolutionary-feature-selection-techniques-parall/7450834>