1. Number of paper available in International Databases

No. of Papers	Scopus	Web of Science	EBSCO	DBLP	Scientific Common	Cabell	Google Scholar	ACM Digital Library	Springer Digital Library	IEEE Digital Library	Other (ProQuest, etc.)
60	16 (53 C)	04	02	03	03	03	21	02	03	06	22

2. Citation Index and Publication Details

No. of Papers	International Journal	International Conference	National Journal	National Conference	Book Chapter	Citation Indices			
						No. of paper	Citation	h-Index	i10-index
60	22	28	01	05	04	21	291	09	09

3. Detailed Publication Summary

- ### Book Chapter: 04

    1. **Ujwalla Gawande,** Kamal Hajari, Yogesh Golhar, "Deep learning approach to Key Frame Detection in Human Action Videos", Recent Trends in Computational Intelligence, IntechOpen, Web of Science, ISBN 978-1-83880-706-1. Feb 2020. [DOI: 10.5772/intechopen.91188]
    2. **Ujwalla Gawande,** Kamal Hajari, Yogesh Golhar, "Pedestrian Detection and Tracking in Video Surveillance System: Issues, comprehensive review and challenges", Computational Intelligence, IntechOpen, Web of Science, Jan 2020. [DOI: 10.5772/intechopen.90810], ISBN 978-1-83880-706-1.
    3. **Ujwalla Gawande**, Kamal Hajari, Yogesh Golhar, "Efficient Multimodal Biometric Feature Fusion using Block-sum and Minutiae Techniques", Advances in Intelligent Systems and Computing, Springer, International Publishing CVIP 16, vol. 1, pp. 215-225, ISBN 978-981-10-2104-6, December 2016. (Springer), ISSN: 2194-5357.
    4. **Ujwalla Gawande**, Yogesh Golhar, Kamal Hajari, "Biometric based security system: Issues and Challenges", Intelligent Techniques in Signal Processing for Multimedia

Security of the series Studies in Computational Intelligence, Springer International Publishing, vol. 660, pp. 151-176, 19th October 2016. (Springer), ISBN: 33194478909783319447896.

- **Refereed Journal:13**

1. Swati Kale, **Ujwalla Gawande,** "A brief review on Word Sense Disambiguation Approaches", International Journal of Engineering and Technology, SCOPUS, Vol. 7 (2), pp. 458-461, www.sciencepubco.com/index.phd/IJET, doi:10.14419/ijet.v7 i2.9649, March 2018.

2. **Ujwalla Gawande,** Yogesh Golhar, "Biometric security system: A rigorous review of Unimodal and Multimodal Biometric Techniques", International Journal of Biometrics, Inderscience Publishing, Vol. 10, No. 2, pp. 142 - 175,April 2018.

3. Kamal Hajari, **Ujwalla Gawande**, Yogesh Golhar, "Neural Network Approach to Iris Recognition in Noisy Environment", Elsevier Procedia CS, vol. 78, no. 2016, pp. 675-682,11th -12th, Dec. 2015, Nagpur. (Elsevier).

4. **Ujwalla Gawande**, Kamal Hajari, "Adaptive Cascade Classifier based Multimodal Biometric Recognition and Identification System", International Journal of Applied Information Systems, Foundation of Computer Science FCS, vol. 6, no. 2, September 2013.

5. **Ujwalla Gawande**, Mukesh Zaveri and Avichal Kapur, "A novel algorithm for feature level fusion using SVM classifier for Multibiometrics based Person Identification", International Journal of Applied Computational Intelligence and Soft Computing, Hindawi, vol. 2013, pp. 1-11, July 2013. (Hindawi).

6. **Ujwalla Gawande**, Mukesh Zaveri and Avichal Kapur, "Fingerprint and Iris fusion based recognition using RBF Neural Network", International Journal of Signal and Image Processing, Bioinfo publications, vol. 4, Issue.1, pp. 142- 148, April 2013. (Bioinfo publications).

7. **Ujwalla Gawande**, Mukesh Zaveri and Avichal Kapur, "Bimodal Biometric system efficient feature level fusion of Iris and Fingerprint", International Journal on Biometric Technology Today, Science Direct, Elsevier, vol. 2, pp. 7-8, March 2013. (Elsevier).

8. **Ujwalla Gawande**, Anushree Sapre, Apurva Jain, Sanchita Bhriegu, Shruti Sharma, "Fingerprint – Iris Fusion Based Multimodal Biometric System using single Hamming Distance Matcher", International Journal of Engineering Invent, vol.2, issue 4, pp. 54-61, Feb 2013.

9. **Ujwalla Gawande**, S.R.Nair, H. Balani, N. Pawar, M. Kotpalliwar, "A High speed frequency based multimodal biometric system using Iris and Fingerprint", International Journal on advanced Computer Engineering and Communication Technology, vol 1, Issue 1, pp. 66-73, 2012.

10. **Ujwalla Gawande**, Mukesh Zaveri, Avichal Kapur, "A Novel Multialgorithmic approaches for Improving Iris Recognition using Haar, multiresolution and new Block Sum Method", International Journal of Computer Application, Dec 2011.

11. Ujwalla Gawande, Mukesh Zaveri, Avichal Kapur, "Multialgorithmic approaches of Iris Recognition", International Journal on Biometric Technology Today, vol 2011, issue 4, pp. 8-10, Science Direct, Elsevier, April 2011. (Elsevier).

12. Ujwalla Gawande, Mukesh Zaveri, Avichal Kapur, "Improving Accuracy of Iris Recognition by Score Based Fusion", International Journal of Advancements in Technology, vol. 1, no. 1, July 2010. (arXiv).

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▪ **Refereed Conferences: 22**

1. Nikita Hatwar, **Ujwalla Gawande**, "Can Music Therapy Reduce Human Psychological Stress: A Review", SmartCom 2019–3rd International Conference on Smart Trends for Computing and Communication, at Hotel Novotel, Siam square, Bangkok, 24th – 25 Jan 2019. (Scopus, Springerlink).

2. Nisha Wankhade, **Ujwalla Gawande**, "Need of Fundus Image Analysis: A Review", ICICCT 2018 - 2nd International Conference on Inventive Communication and Computational Technologies, at Hotel Arcadia, Coimbatore, India, 21st – 22nd April 2018. (IEEE digital Library).

3. **Ujwalla Gawande**, Surabi Rathi, "Development of Full Duplex Communication System for Deaf and Dumb People", 7th International Conference on Cloud Computing, Data Science & Engineering – Confluence, 2017, Amity University Uttar Pradesh, Noida, India, 12th - 13th January 2017. (IEEE digital Library).

4. **Ujwalla Gawande**, Kamal Hajari, Yogesh Golhar, "Novel Technique for removing Corneal Reflection in Noisy Environment - Enhancing Iris Recognition Performance", International Conference on Signal and Information Processing (IConSiP 2016), 6th– 8th, Oct. 2016, SGGSIET&T, Nanded. (IEEE digital Library).

5. **Ujwalla Gawande**, Kamal Hajari, Yogesh Golhar, "Efficient Multimodal Biometric Feature Fusion using Block-sum and Minutiae Techniques", International Conference

on Image Processing and Computer Vision (CVIP 2016), 26th–28th, Feb. 2016, IIT Roorkee, Uttarakhand.(Springer and DBLB digital Library).

6. Kamal Hajari, **Ujwalla Gawande**, Yogesh Golhar, "Neural Network approach to Iris Recognition in Noisy Environment", Proceeding of International Conference on Information security and Privacy in collaboration with Elsevier, G.H.R.C.E, Nagpur, 11th – 12th Dec. 2015. (Elsevier).

7. **Ujwalla Gawande**, Vikas Shirke, "Generation of 3D Face Views from Artist Drawn Sketch: A Review", Proceeding of IEEE International Conference on Industrial Instrumentation and control COEP, Pune, pp. 1582 - 1586, 28th – 30th May 2015. (IEEE digital Library).

8. **Ujwalla Gawande**, Karishma Chavan, "Speech Recognition in noisy environment – issues and challenges", Proceeding of IEEE International Conference on soft computing and network security, Kyungpook National University, Coimbatore, Tamilnadu, pp. 1-5, 25th – 27th Feb 2015. (IEEE digital Library).

9. **Ujwalla Gawande**, Kamal Hajari, Yogesh Golhar, "Novel Cryptographic Algorithm based Fusion of Multimodal Biometrics Authentication system", Proceeding of IEEE International Conference on Computing and Communication Technologies, University College of Engineering, Osmania University, Hyderabad, pp. 1 - 6, Hyderabad, India, 11th – 13th, Dec, 2014. (IEEE digital Library).

10. **Ujwalla Gawande**, Kiran Gavhale, Kamal Hajari, "Unhealthy Region of Citrus Leaf Detection using Image Processing Techniques", Proceeding of IEEE International Conference on Convergence of Technology(I2CT), Pune, India pp. 1 - 6, 6th – 8th, April 2014. (IEEE digital Library).

11. **Ujwalla Gawande**, Vaibhav Likitkar, Kamal Hajari, "A Review on Automatic detection of cancerous lung nodule from the computed topographic images", Proceeding of IEEE International Conference on Telecommunication and Computing - ICTC 13, KITS Ramtek KITS Ramtek, 18th – 20th, Dec. 2013.

12. **Ujwalla Gawande**, Pritish Chaple, Kamal Hajari, "Efficient Recognition of Multimodal Biometric System", Proceeding of Inderscience Open Access Journals International Conference on Computer Science & Information Technology Institute for Project Management Pvt. Ltd., Bhubaneswar, Panji, Goa, 5thAug 2012. (Best Paper Award).

13. **Ujwalla Gawande**, Smita Thakare, Kalyani Mamulkar, Prachi Motghare, Pooja Godi, "Multimodal Biometric Feature based Person Classification", in Proceeding of International Conference and workshop on Electronics and Telecommunication Engineering in association with ACM and International Journal of Computer Application, Thakur College of Engg.and Technology, Kandiveli, Mumbai 24th – 26th Feb 2012. (ACM digital Library).

14. **Ujwalla Gawande**, Mukesh Zaveri, Avichal Kapur, "A Novel Multialgorithmic approaches for Improving Iris Recognition using haar, multiresolution and new Block Sum Method", in Proceeding of International Conference on workshop on Electronics and Telecommunication Engineering, in association with ACM and International Journal of Computer Application, Thakur College of Engg.and Technology, Kandiveli, Mumbai ICWET 2011, 25 – 26 Dec 2011. (ACM digital Library).

15. **Ujwalla Gawande**, Amit Prakash, Alok Bhushan, Santhosh Pandey, Prasanna Reddy, "Virtual Mannequin: 3D Parameterized Human Modeling", in Proceeding of International Conference on workshop on Emerging Trends in Technology, in association with ACM and International Journal of Computer Application, Thakur College of Engg.and Technology, Kandiveli, Mumbai ICWET 2011, ISBN 978-1-4503-0449-8, pp. 160-162, 25 – 26 Dec 2011. (ACM digital Library).

16. **Ujwalla Gawande**, Rohit Mate, Chaitnya Deshmukh, Devendra Borkar, Madhao Wagh, "Online Database Management System for Training and Placement Cell", in Proceeding of International Conference on Systemic, Cybernetics and Informatics, Pentagram Research Center, Hyderabad, 5th – 8th January 2011.

17. **Ujwalla Gawande**, Mukesh Zaveri, Avichal Kapur, "Improving Accuracy of Iris Recognition by Score Based Fusion Method", in Proceeding of 4th International Conference on Information Processing The society of Information Processing, Defence Institute of Advance Technology, University Visvesvaraya College of Engg. Bangalore, 6th – 8th August 2010.

18. **Ujwalla Gawande**, "Artificially Intelligent Traffic Control System", in Proceeding of International Conference on Image and Vision Computing, Riodejanerio, Brazil, 29th – 31st March 2010.

19. **Ujwalla Gawande**, Tejas Bhagwat, Abhinav Sharma, Arjun Khandelwal, Vaibhav Gaikwad, "A Real Time Embedded System: Roadway Traffic Management security system", in Proceeding of International Conference on Systemic, Cybernetics and Informatics, Pentagram Research Center Private Limited., Hyderabad, 7th – 10th Jan 2009.

20. **Ujwalla Gawande**, Pradeep Shetty, Sudarshan Muktibodh, Chinmay Godbole, "Cursive Handwriting Recognition: Using Fusion of Segmentation Strategies & Elastic Matching", in Proceeding of International Conference on Systemic, Cybernetics and Informatics, Pentagram Research Center Private Limited., Hyderabad, 7th – 10th Jan 2009.

21. **Ujwalla Gawande**, Arpit Jain, Pratyush Urade, Prakash Shende, Akshay Modak, "Vehical Monitoring and Number Plate Catcher Systems", in Proceeding of

International Conference on Systemic, Cybernetics and Informatics, Pentagram Research Center Private Limited., Hyderabad, 7th – 10th Jan 2009.

22. **Ujwalla Gawande**, Mahendra Patil, "Design of Real time Embedded System for Projecting the Interior Image in the Eye and Superimposing Additional Information on it", in Proceeding of International Conference on Systemic, Cybernetics and Informatics, Pentagram Research Center Private Limited., Taramati Baradari Culture Complex, Ibrahimbagh, Ganpatipeth Road, Hyderabad, A.P. India 2nd – 5th January 2008.

▪ Other Journal and Conference: 21

1. **Ujwalla Gawande**, "Object Location Tracking and Indoor Navigation using RFID Detection for Indoor Environment", Proceeding of International Conference on computing, communication, electrical, electronics, devices and signal processing, Sri Sunflower College of Engg and Technology, Vijayawada, AP, 28th – 30th. March 2015

2. **Ujwalla Gawande**, Vaibhav Likitkar, Kamal Hajari, "Automatic detection of cancerous lung nodule from the computed topographic images", Journal of computer Engineering (IOSR-JCE), International Organization of scientific research, vol. 16, Issue 1, ver. 8, pp. 5– 11, Feb 2014.

3. **Ujwalla Gawande**, Kiran Gavhale, "An Overview of the Research on Plant Leaves Disease detection using Image Processing Techniques", Journal of computer Engineering (IOSR-JCE), International Organization of scientific research, vol. 16, Issue 1, ver. 5, pp. -10 – 16, Jan 2014.

4. Jignyasa Sanghavi, Kishor Bhoyar, **Ujwalla Gawande**, "Morphological Classification of few blood related diseases using Peripheral blood microscopic images", International Journal of Systems, Algorithms and Application (IJSAA), National Institute of Science Communication and Information Resources (NISCAIR), New Delhi, India, vol. 2, Issue 6, June 2012.

5. **Ujwalla Gawande**, Smita Thakare, Kalyani Mamulkar, Prachi Motghare, Pooja Godi, "Multimodal Biometric Feature based Person Classification", International Journal of Computer Application, vol. 4, pp. 41-45, Feb 2012.

6. Jignyasa Sanghavi, Kishor Bhoyar, **Ujwalla Gawande**, "Morphological Classification of few blood related diseases using Peripheral blood microscopic images", in Proceeding of International Conference on Innovations and Trends in Applied Computing (ITAC 2012) in association with University of Hardfort University, Yeshwantrao Chavan College of Engineering, Nagpur, 1st – 3rd Feb 2012.

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8. **Ujwalla Gawande**, Sonal Sune, Manjiri Tapaswi, Kimaya Dhoble, Neha Ballal, "Fusion of multiple biometrics", National Conference - Techno vision/ SPANDAN R.K.N.C.E, Nagpur and Y.C.C.E, Nagpur, 19th Feb 2012 and 28th – 29th Feb 2012.

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13. **Ujwalla Gawande**, Mukesh Zaveri and Avichal Kapur, "An Effective Iris Recognition System Based on Efficient Multialgorithmic Fusion Technique", International Journal on Computer Application, vol. 13, no. 5, pp. 24-31, Feb 2011.

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15. **Ujwalla Gawande**, Mukesh Zaveri, Avichal Kapur, "Iris Recognition Techniques: An Overview", International Journal on Information Technology (IJIKTM), Kurukshetra, India, April 2009.

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17. **Ujwalla Gawande**, Mukesh Zaveri, Avichal Kapur, "Iris Recognition Techniques: An Overview", in Proceeding of International Conference on Information and Communication Systems ICICS, Macau, 7th - 10th Dec 2009.

18. **Ujwalla Gawande**, Mahendra Patil, "Software Engineering Approach to an Integrated Solution for Flood Disaster Management", in Proceeding of International Conference on SKIMA 08, Kantipur College of Engineering, Dhapakhel, Lalitpur, Nepal, 18th – 22nd March 2008.

19. **Ujwalla Gawande**, and Shardha Chabbdiya, "Design of Embedded System for Capturing the Image in the Eye, processing it and Projecting the Image in Same Direction of View, along with some Additional Information", National Conference - NCETIT 08, P.E.S. College of Engineering, Department of IT, Aurangabad 28th – 29thJanuary 2008.

20. **Ujwalla Gawande**, "Feature Extraction Based on iDistance: Improving the performance of Multimedia Database", National Conference - SVKS, SVKM's NMIMS University & SVKM's, D. J. Sanghvi college of Engineering, Mumbai, 1st – 3rd March, 2007

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