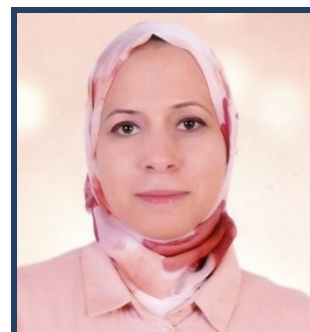


Curriculum Vitae



Name and Title:

Prof. Hala Mousher Hassan Mohamed Ebied

Sex: Female

E-Mail: hala.m@outlook.com
halam@cis.asu.edu.eg

		No. of publications	Citations	H-index
Google scholar	https://scholar.google.com.eg/citations?user=qYY1Kd0A AAAJ&hl=en&cstart=0&pagesize=20	85	406	9
ORCID	0000-0001-9843-842X			
Scopus Author ID	25640793000	61	251	7
Web of Science Researcher ID	O-7461-2016	37	86	4
Publons		52	105	4
ResearchGate	https://www.researchgate.net/profile/HalaEbied			

Work Experience

I-

- May 2019 – Present *Professor* at department of Scientific Computing, FCIS, University of Ain Shams, Cairo, Egypt.
- Aug 2018 – Present *Vice Dean for Education and Students Affairs*, Faculty of Computer and Information Sciences (FCIS), Ain Shams University, Cairo, Egypt.
- Jun 2018 – Aug 2018 *Acting Head of Scientific Computing Department*, FCIS, Ain Shams University, Cairo, Egypt.
- Dec 2016 – Aug 2018 *Director of Quality Assurance Unit*
- Nov 2014 – Jan 2015 *Acting Vice Dean for Graduated Studies and Researches*, FCIS, University of Ain Shams, Cairo, Egypt.
- May 2014 – May 2019 *Associate Professor* at department of Scientific Computing, FCIS, University of Ain Shams, Cairo, Egypt.

Feb 2009 – 2014 *Lecturer* at department of Scientific Computing, FCIS, University of Ain Shams, Cairo, Egypt.

Author of e-learning course “Neural Networks” at the Egyptian E-Learning University (EELU), 2010.

2006 – 2008 *Channel scholarship* in German at Heinz Nixdorf Institute, University of Paderborn

2002 – 2006 *Assistant Teacher and Researcher* at department of Scientific Computing, FCIS, University of Ain Shams, Cairo, Egypt.

1997 – 2002 *Researcher* at department of Scientific Computing, FCIS, University of Ain Shams, Cairo, Egypt.

II- Teaching Various Mathematics and Computer Science courses:

Current teaching responsibilities:

Neural Networks and Deep Learning, Computational Intelligence, Analysis and Design of Algorithms

Previous teaching responsibilities:

Computer Vision, Computer Graphic, Structure Programming, Object Oriented Programming, Data Structure, Assembly Language, Discrete Math., Linear Algebra, Calculus, Operations Research, Probability and Statistical Analysis

III- Organizing Committee member for our faculty's biannual conference

2nd International Conference on Intelligent Computing and Information Systems, ICICIS, Ain Shams University, Co-organized by ACM, Cairo, Egypt, 5-7 March 2005.

4th International Conference on Intelligent Computing and Information Systems, ICICIS, Ain Shams University, Co-organized by ACM, Cairo, Egypt, 15-18 March 2009.

5th International Conference on Intelligent Computing and Information Systems, ICICIS, Ain Shams University, Co-organized by ACM, Cairo, Egypt, 30 June – 3 July 2011.

6th International Conference on Intelligent Computing and Information Systems, ICICIS, Ain Shams University, Co-organized by ACM, Cairo, Egypt, 14-16 December 2013.

IEEE 7th International Conference on Intelligent Computing and Information Systems, ICICIS, Ain Shams University, Co-organized by ACM, Cairo, Egypt, 12-14 Dec. 2015

Qualifications

January 2009 **Ph.D.** in Computer and information Sciences from Scientific Computing Department, Faculty of Computer and information Sciences, Ain shams University.

Title: “*Neural Network Based Image Processing For Autonomous Minirobots*”

October, 2006 – October, 2008	Channel scholarship in German at Circuit and Technology Group, Heinz Nixdorf Institute, University of Paderborn, Germany.
April, 2002	M.Sc. at Scientific Computing Department, Faculty of Computer and information Sciences, Ain shams University. Title: “ <i>Colored Pattern Image Classification Using Neural Networks</i> ”.
May, 1997	B.Sc. in Pure Math. & Computer Science , Faculty of Science, Ain Shams University, Cairo, Egypt. Rank in 3rd and 4th year: 1st, Grade in 4th year: Excellent. Major Grade: Very Good with Honor Degree. General Rank: 4th.

Field of Interest

Neural Networks and Deep Learning, Pattern Recognition, Machine Learning, Image Processing and Computer Vision, Autonomous Mini-Robotics.

Professional Activities

Current professional activities:

- Reviewer at some International journal; Machine Learning Journal Springer, Applied Mathematical Modelling Elsevier, Egyptian Journal of Basic and Applied Sciences Elsevier, International Journal of IET Biometrics, Ain Shams Engineering Journal Elsevier, Neural Computing Applications, Remote Sensing Journal, Applied Soft Computing Journal Elsevier, and IET Image Processing Journal
- Coordinator of Government Excellence Award, First Cycle 2020, Choosing the faculty among the top ten faculty in the Republic.
- Development of a new program “Robotics Computing” to undergraduate, 2021.

Previous professional activities:

- Development of Credit Hour bylaw to undergraduate, Faculty of Computer and Information Sciences (FCIS), Ain Shams University, 2019.
- Update Credit Hour bylaw to undergraduate, Bioinformatic Program and Software Engineering Program, 2019.
- Lead and collaborated with a team of faculty staff to create the faculty strategic plan 2018-2023. The team identified areas of strength and weakness for the faculty and create five operational goals, 2017-2018.
- Coordinator of Government Excellence Award, First Cycle 2019.
- Development of Credit Hour bylaw to postgraduate, Faculty of Computer and Information Sciences (FCIS), Ain Shams University, 2015.
- Organizing Committee member for our faculty's biannual conference, International Conference on Intelligent Computing and Information Systems, ICICIS, 12-14 Dec. 2015, 14-16 December 2013, 30 June – 3 July 2011, March 15-18, 2009, and 5-7 March 2005.
- Author of e-learning course “Neural Networks” at the Egyptian E-Learning University (EELU), 2010

Staff Development Activities

Relevant staff development activities:

- Attended some training courses at “Training and Development Center, Ain Shams University” and “National Authority for Quality Assurance and Accreditation of Education, NAQAAE” which helped me to be more effective in my post as a teacher/administrator:
- Question banks, October 2020
- Government Excellence Award Criteria , February 2020
- Leadership, 26-27 February 2019.
- Scholarly Publishing in Indexed Journal, 5-6 February 2019
- Strategic Planning, 3-4 February 2019
- Accreditation criteria for colleges and institutes of higher education, 7-8 November 2017
- How to prepare a teaching and learning strategy, 11-12 April 2017
- Self-Management, 11 December 2014
- Legal and financial aspects in University, 21-23 September 2013
- Competing for Research Funds, 17-19 September 2013
- Conference Organization, 14-16 September 2013
- Communications Skills, 31 August – 2 September 2012
- Managing research team, 7-9 February 2012

- Learning Outcomes and Curriculum Maps - Higher Education, 25-29 September 2011
- Strategic planning for higher education institutions, 18-19 September 2011
- Quality standards in the teaching process, 25-27 October 2008
- Examination systems and student assessment, 18-20 October 2008
- Make decisions and solve problems, 2-4 September 2006
- Modern trends in teaching, 29-31 August 2006
- Credit hours, 22-24 August 2006
- Effective presentation skills, 15-17 August 2006
- Preparing the university teacher, 29 August to 18 September 2003

Research Activities

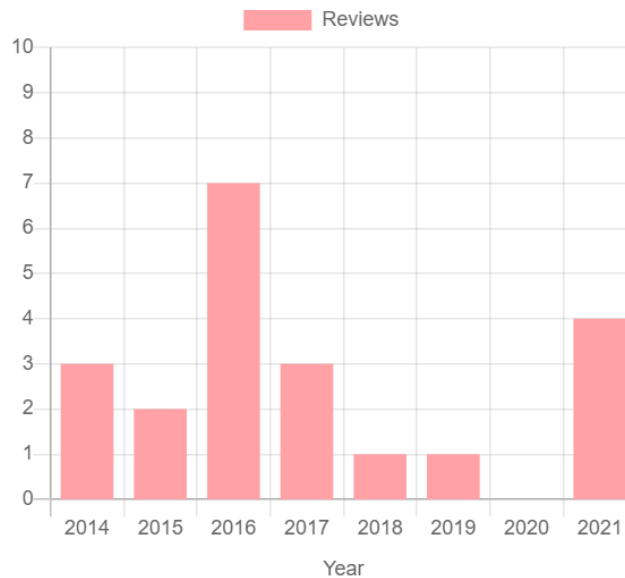
Current Research Related Activities:

- Currently supervising 6 M.Sc. students and 3 Ph.D. students.
- Supervised 8 M.Sc. students and 5 Ph.D. students who already obtained their degrees
- Participated in several Conference and workshops on Computer Science at several countries (Egypt, German, Dubai, Netherlands, Austria, Portugal).













Total Number of Research Publications: 85 Publications

Peer review Metrics

Peer review for International Journal



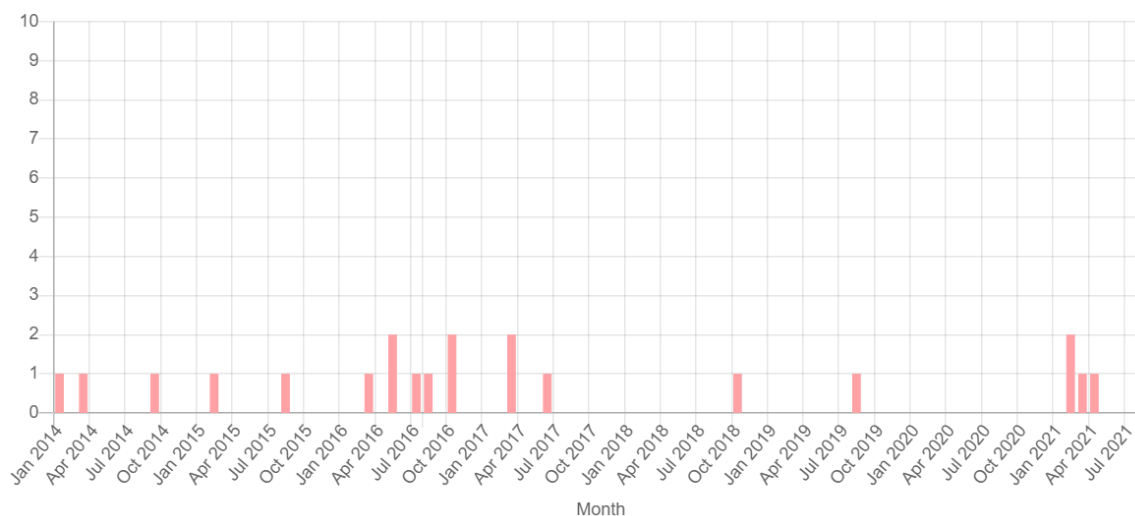
Verified reviews [?]

	(4) Ain Shams Engineering Journal	WOS		(3) IEEE Access	WOS
	(2) Applied Mathematical Modelling	WOS		(2) IET Biometrics	WOS
	(2) International Journal of Machine Le...	WOS		(2) Neural Computing and Applications	WOS
	(1) Advances in Mechanical Engineering	WOS		(1) Applied Soft Computing	WOS
	(1) IET Image Processing	WOS		(1) International Journal of Computer A...	WOS
	(1) International Journal of Intelligent Computi...			(1) Sensors	WOS

1	April-2021	ADM-Net: Attentional-Deconvolution Module-Based Net for Noise-Coupled Traffic Sign Recognition	Neural Computing and Applications, Springer Nature
2	19-Mar-2021	Plant Identification in a Combined-Imbalanced Leaf Dataset	IEEE Access
3	15-Feb-2021	Deep Learning application in agriculture: Prediction of Cassava Diseases and Classification	International Journal of Intelligent Computing and Information Sciences, EKB
4	3-Feb-2021	Feature Transformation Network for Few-Shot Learning	IEEE Access
5	12-Aug-2019	Performance Analysis of the Improved Flower Pollination Algorithm in Image Enhancement Field	IEEE Access
6	10-Dec-2018	Weighted Circulant Regularized Sparse Representation for Face Recognition	IET Image Process
7	6-Sep-2017	A novel image segmentation method based on fast density clustering algorithm	Applied Soft Computing, Elsevier
8	12-Mar-2017	Vertebral Body Segmentation in Clinical Routine Spine MRI. Evaluation focusing on a large variety of clinical routine MRI sequences	International Journal of Computer Assisted Radiology and Surgery, Springer Nature
9	10-Mar-2017	ROI-based on-board compression for Hyperspectral Radar images on GPU	Sensors
10	20/10/2016	An accelerated shape based segmentation approach adopting the pattern search optimizer	Ain Shams Engineering Journal, Elsevier
11	17-Oct-2016	Classifying Dysmorphic Syndromes by using Neural Network based Hierarchical Decision Tree	Neural Computing and Applications, Springer Nature
12	26-Aug-2016	An accelerated shape based segmentation approach adopting the pattern search optimizer	Ain Shams Engineering Journal, Elsevier
13	27-Jul-2016	An accelerated shape based segmentation approach adopting the pattern search optimizer	Ain Shams Engineering Journal, Elsevier
14	22-May-2016	Specialized Sequence Filters for Image Enhancement	IET Biometrics

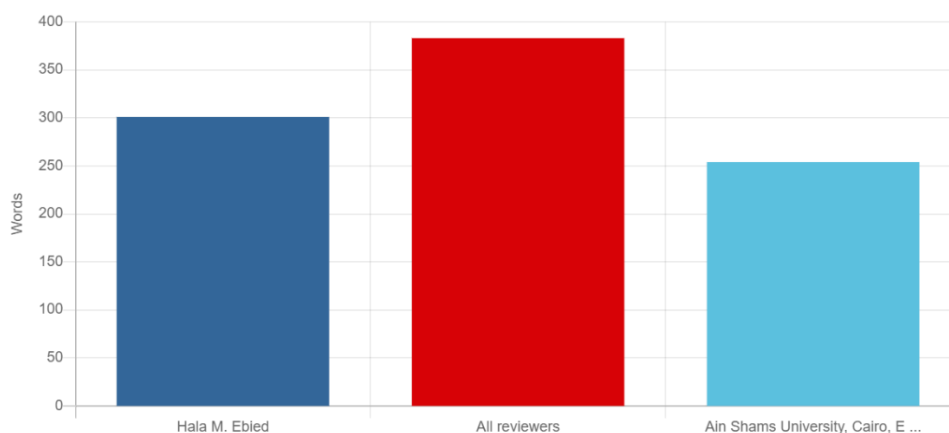
15	14-May-2016	An accelerated shape based segmentation approach adopting the pattern search optimizer	Ain Shams Engineering Journal, Elsevier
16	18-Mar-2016	A Simple and Efficient Neural Network Based Face Recognition System Using LDA Features	IET Biometrics
17	31-Aug-2015	A Collaborative Representation Analysis Method for Face Recognition	Advances in Mechanical Engineering, Springer Nature
18	6-Feb-2015	Multiple harmonic-source classification using a Self-Organization Feature Map network with voltage-current wavelet transformation patterns	Applied Mathematical Modelling, Elsevier
19	12-Sep-2014	Multiple Harmonic Sources Classification with Hybrid Self-Organizing Feature Map Network	Applied Mathematical Modelling, Elsevier
20	22-Mar-2014	Visual music score detection with unsupervised feature learning method based on K-means	International Journal of Machine Learning and Cybernetics, Springer Nature
21	14-Jan-2014	Visual music score detection with unsupervised feature learning method based on K-means	International Journal of Machine Learning and Cybernetics, Springer Nature

Reviews per month



Average review length

The average number of words per review (for which we have content), compared to the average of All fields reviewers and the average of reviewers at affiliated institutions.



Peer review for Local Journal

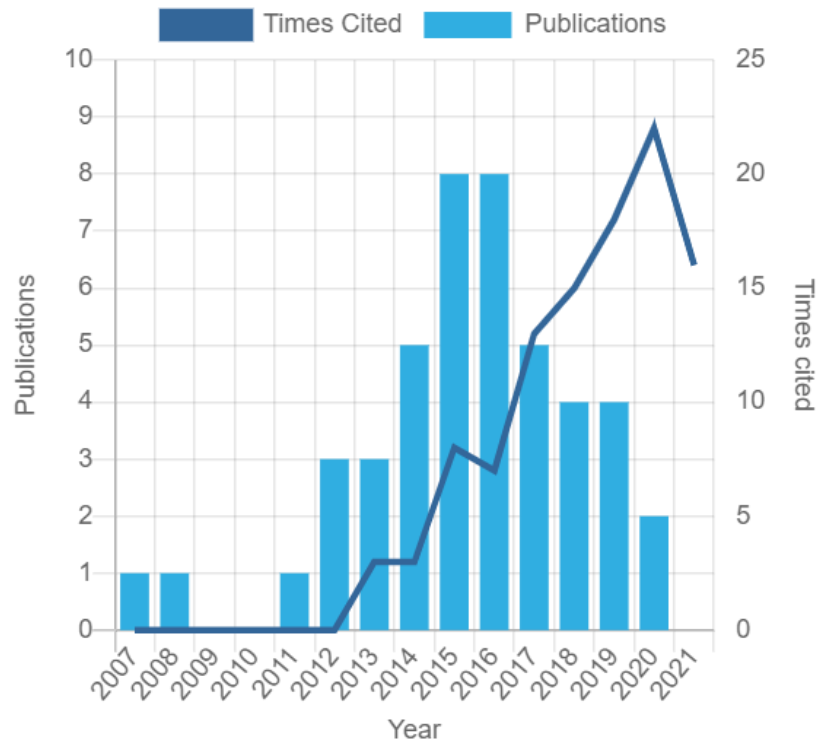
- Journal of Advanced in Computer Science, Shorouk Academy, Higher Institute for Computers & Information Technology, December 2013, March 2014, September 2015, May 2016, October 2016.

Peer review for International Conference

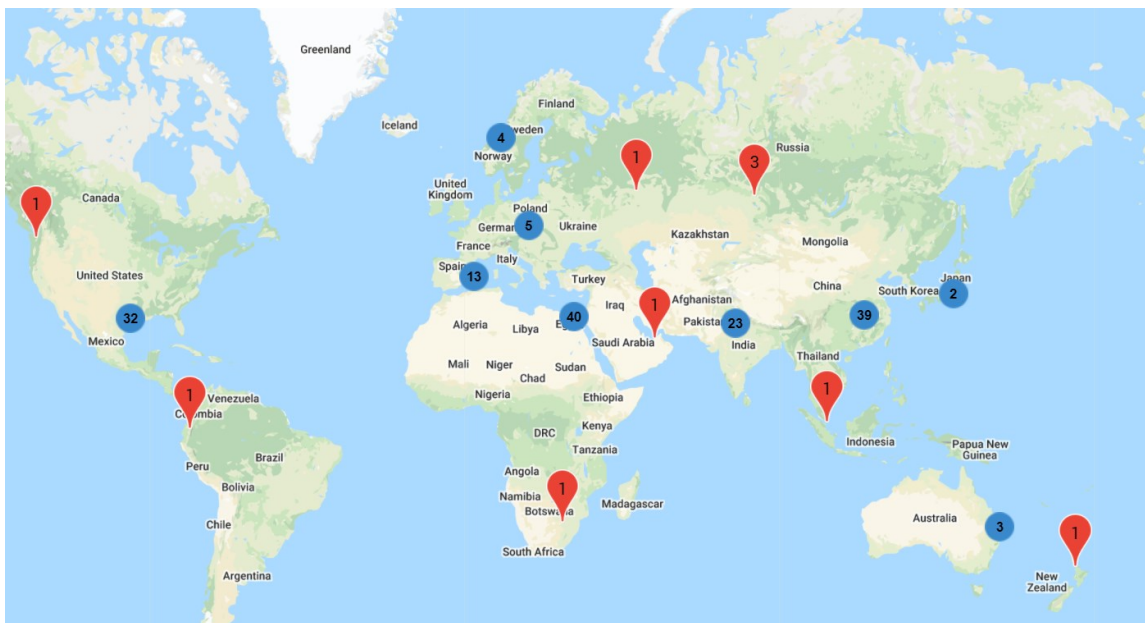
- 6th International Conference on Intelligent Computing and Information Systems (ICICIS), 14-16 Dec. 2013
- IEEE 7th International Conference on Intelligent Computing and Information Systems (ICICIS), 12-14 Dec. 2015.
- AISI Conference, June 2016.
- IEEE 8th International Conference on Intelligent Computing and Information Systems (ICICIS), December 2017.
- IEEE 9th International Conference on Intelligent Computing and Information Systems (ICICIS), December 2019.
- International Journal of Intelligent Computing and Information Sciences, Feb. 2021.
- AICV 2021 conference.
- MIUCC 2021

Publications Metrics

Publications at Publons



Distribution of my citations across the globe in the *Web of Science*



Publications and Citation at Scopus

Ebied, Hala Mousher

[Ain Shams University, Cairo, Egypt](#) [Show all author info](#)

[25640793000](#) <https://orcid.org/0000-0001-9843-842X>

[Edit profile](#) [Set alert](#) [Save to list](#) [Potential author matches](#) [Export to SciVal](#)

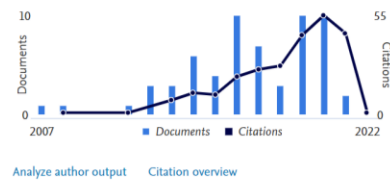
Metrics overview

61
Documents by author

251
Citations by 235 documents

7
h-index: [View h-graph](#)

Document & citation trends



Most contributed Topics 2016–2020

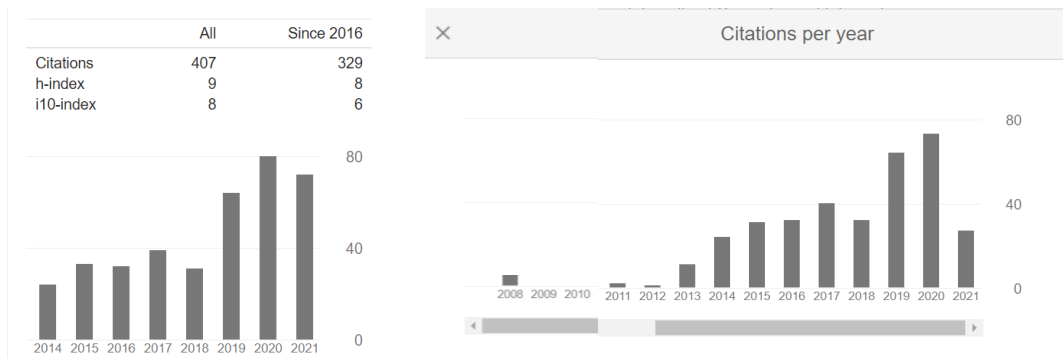
[Hyperspectral Imagery; AVIRIS; Image Classification](#)
5 documents

[Remote Sensing Image; Land Use Classification; Image Retrieval](#)
5 documents

[Endmember Extraction; Spectral Unmixing; Hyperspectral Imagery](#)
4 documents

[View all Topics](#)

Citation at Google Scholar



Publications

2021

1. Menna Elkholy, Marwa Moustafa, Hala Ebeid, and Mohamed Tolba, Unsupervised Hyperspectral Band Selection with Deep Autoencoder Unmixing, International Journal of Image and Data Fusion Journal, Accept, DOI: 10.1080/19479832.2021.1972047
2. Reham A. El-Shahed, M .N. Al-Berry, Hala M. Ebeid, Howida A. Shedeed, High capacity video hiding based on multi-resolution Stationary Wavelet Transform and hybrid-matrix decomposition techniques, Electrical Engineering and Informatics Journal, CiteScore 2019: 1.3, SJR 2019: 0.231, ISSN 2088-8708, Accept
3. Nouredin Laban, Bassam Abdellatif, Hala M. Ebied, Howida A. Shedeed, Mohamed F. Tolba, Enhanced Pixel Based Urban Area Classification Of Satellite Images Using Convolutional Neural Network, IJICICIS, Accept
4. Reham A. El-Shahed, M .N. Al-Berry, Hala M. Ebeid, Howida A. Shedeed, Image Hiding Using upper-lower Decomposition Techniques, IJICICIS, vol. 21_Issue 1, pp. 95-103, 2021

5. Moshira Ghaleb, Hala M. Ebeid, Howida Sheded, Fahmy Tolba , COVID-19 X-rays Model Detection Using Convolution Neural Network , International Conference on Advanced Machine Learning and Technologies and Applications, (AICV 2021), June 28-30, 2021, Morocco. Advances in Intelligent Systems and Computing, vol. 1377, pp. 3-11, Springer, Cham. https://doi.org/10.1007/978-3-030-76346-6_1, ISBN 978-3-030-76345-9
6. Eman Mohammed, Mosab Hassaan, Safaa Amin, and Hala M. Ebied, Brain Tumor Segmentation: A Comparative Analysis, The 2nd International Conference on Artificial Intelligence and Computer Vision (AICV'2021), June 28-30, 2021. Morocco. Advances in Intelligent Systems and Computing, vol 1377, pp. 505-514. Springer, Cham. https://doi.org/10.1007/978-3-030-76346-6_46, ISBN 978-3-030-76345-9
7. Mayar Shafaey, Mohammed A.-M. Salem, Maryam Al-Berry, Hala M. Ebeid, Mohamed Fahmy Tolba , Supervised vs. Unsupervised Deep Learning Techniques for Segmentation of Hyperspectral Images, The 2nd International Conference on Artificial Intelligence and Computer Vision (AICV'2021), June 28-30, 2021. Morocco. AICV 2021. Advances in Intelligent Systems and Computing, vol 1377, pp. 66-74, Springer, Cham. https://doi.org/10.1007/978-3-030-76346-6_7, ISBN 978-3-030-76345-9
8. Shahd Tarek, Hala M. Ebied, Aboul Ella Hassanien, and Mohamed F. Tolba, White Blood Cells Segmentation and Classification Using Swarm Optimization Algorithms and Multilayer Perceptron, International Journal of Sociotechnology and Knowledge Development (IJSKD) , IGI, 13(2), pp. 16–30, 27 April 2021
ISSN: 1941-6253, EISSN: 1941-6261, doi:10.4018/IJSKD.2021040102
<https://www.igi-global.com/gateway/article/275741>
<https://www.igi-global.com/gateway/article/full-text-html/275741>
<https://www.igi-global.com/journal/international-journal-sociotechnology-knowledge-development/1108>
9. Nouredin Laban, Bassam Abdellatif, Hala M. Ebied, Howida A. Shedeed, Mohamed F. Tolba, Sparse Pixel Training of Convolutional Neural Networks for Land Cover Classification, IEEE Access journal, vol. 9, pp. 52067-52078, 9 April 2021, DOI: 10.1109/ACCESS.2021.3069882, Print ISSN: 2169-3536, Online ISSN: 2169-3536
(IF2019: 3.745 Q1, IF2020: 3.3 Q2)
<https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9389718>
10. Reham A. El-Shahed, M .N. Al-Berry, Hala M. Ebeid, Howida A. Shedeed, Robust video steganography technique against attack based on Stationary Wavelet Transform (SWT) and Singular Value Decomposition (SVD), The third International Conference on Sustainable Computing (SUSCOM-2021), March 19 - 20, 2021 || Sri Balaji College of Engineering & Technology, Jaipur, Rajasthan, India
11. Reham A. El-Shahed, M .N. Al-Berry, Hala M. Ebeid, Howida A. Shedeed, Multi-resolution video steganography technique based on Stationary wavelet transform (SWT) and Singular value decomposition (SVD), International Conference on Innovative Computing and Communication (ICICC-2021), 20 Feb. 2021, Delhi, New Delhi. Advances in Intelligent Systems and Computing, Springer.

12. Noha Khattab, Shaheera Rashwan, Hala M. Ebied, Walaa Sheta, Howida Shedeed, Mohamed F. Tolba, "Unsupervised spectral-spatial multiscale feature learning framework for hyperspectral image classification based on multiple kernel self-organizing maps," *J. Appl. Remote Sens.* **14**(4), 046503 (2020), doi: 10.1117/1.JRS.14.046503. (IF 2019: 1.360, SJR2019: 0.49, Q2)
13. Shafaey M.A., Salem M.A.M., Al-Berry M.N., Ebied H.M., Tolba M.F. (2020) Remote Sensing Image Classification Based on Convolutional Neural Networks. In: Proceedings of the International Conference on Artificial Intelligence and Computer Vision (AICV2020). AICV 2020. Advances in Intelligent Systems and Computing, Vol. 1153, pp. pp 353-361, 2020. Springer, Cham
14. Shafaey M.A., Salem M.A.M., Al-Berry M.N., Ebied H.M., El-Dahshan E.A., Tolba M.F. (2020) Hyperspectral Image Classification Using Deep Learning Technique. In: Proceedings of the International Conference on Artificial Intelligence and Computer Vision (AICV2020). AICV 2020. Advances in Intelligent Systems and Computing, Vol. 1153, pp 334-342, 2020. Springer, Cham
15. Menna M. Elkholy, Marwa Mostafa, Hala M. Ebied & Mohamed F. Tolba, Hyperspectral unmixing using deep convolutional autoencoder, *International Journal of Remote Sensing*, Taylor & Francis, Vol. 41, Issue 12, pp. 4799-4819, 2 Mar 2020 (Impact Factor 2018: 2.493, 2019: 2.976, Q2) ISSN: 0143-1161, eISSN: 1366-5901

2019

16. Noureldin Laban, Bassam Abdellatif, Hala M. Ebied, Howida A. Shedeed, Mohamed F. Tolba, Convolutional Neural Network with Dilated Anchors for Object Detection in Very High Resolution Satellite Images, 14th IEEE International Conference on Computer Engineering and Systems (ICCES), 17 Dec 2019.
17. Moshira S. Ghaleb, Hala M. Ebied, Howida A. Shedeed, Mohamed F. Tolba, Image Retrieval Based on Self-Organizing Feature Map and Multilayer Perceptron Neural Networks Classifier, The 8th IEEE International Conference on Intelligent Computing & Information Systems ICICIS, 8-9 Dec. 2019
18. Sherok M. Rabie, Hala M. Ebied, Sahar Bayoumi, Analysis of Dorsal Palm Vein Pattern Recognition System, The 8th IEEE International Conference on Intelligent Computing & Information Systems ICICIS, 8-9 Dec. 2019
19. Menna M. Elkholy, Marwa Mostafa, Hala M. Ebeid, Mohamed F. Tolba, "Application of Hyperspectral Image Unmixing for Internet of Things", First World Conference on Internet of Things: Applications & Future (ITAF 2019), Lecture Notes in Networks and Systems, Vol. 114, pp. 249-260, Cairo, Egypt, October 14 and 15, 2019.
20. Noureldin Laban, Bassam Abdellatif, Hala M. Ebied, Howida A. Shedeed, Mohamed F. Tolba, Multiscale satellite image classification using deep learning approach, *Machine Learning and Data Mining in Aerospace Technology, Computational Intelligence*, vol. 836, pp. 165-186, 2020, Springer, Cham.
21. Lamiaa Zakaria, Hala M. Ebeid, Sayed Dahshan, Mohamed F. Tolba, Analysis of Classification Methods for Gene Expression Data, The International Conference on Advanced Machine Learning Technologies and Applications (AMLT2019), *Advances in Intelligent Systems and Computing*, vol. 921, pp. 190-199, Springer, Cham, 2020.

22. Noureldin Laban, Bassam Abdellatif, Hala M. Ebeid, Howida A. Shedeed, Mohamed F. Tolba, Reduced 3-D Deep Learning Framework for Hyperspectral Image Classification, The International Conference on Advanced Machine Learning Technologies and Applications (AMLT2019), Advances in Intelligent Systems and Computing, vol. 921, pp. 13-22, Springer, Cham, 2020.
23. Menna M. Elkholy, Marwa Mostafa, Hala M. Ebeid, Mohamed F. Tolba, Comparative Analysis of Unmixing Algorithms Using Synthetic Hyperspectral Data, The International Conference on Advanced Machine Learning Technologies and Applications (AMLT2019), Advances in Intelligent Systems and Computing, vol. 921, pp. 945-955, Springer, Cham, 2020.
24. Shahd T. Mohamed, Hala M. Ebeid, Aboul Ella Hassanien, Mohamed F. Tolba, Optimized Feed Forward Neural Network for Microscopic White Blood Cell Images Classification, The International Conference on Advanced Machine Learning Technologies and Applications (AMLT2019), Advances in Intelligent Systems and Computing, vol. 921, pp. 758-767, Springer, Cham, 2020.
25. Ahmed S. ElSayed, Hala M. Ebeid, M. Roushdy, Zaki T, Fayed, Robust palm and knuckle ROI extraction in unconstrained environment, Pattern Analysis and Applications , Vol. 22, Issue 4, pp. 1537-1559, Nov. 2019. (IF2017: 1.281, 2018: 1.41, 2019: 1.512, Q3, SJR2017:0.38) ISSN: 1433-7541
26. Noureldin Laban, Bassam Abdellatif, Hala M. Ebeid, Howida A. Shedeed, Mohamed F. Tolba, Machine Learning for Enhancement Land Cover and Crop Types Classification, Machine Learning Paradigms: Theory and Application, Computational Intelligence book series (SCI, volume 801), pp. 71-87, 2018.

2018

27. Mayar A. Shafaey, Mohammed A.-M. Salem, Maryam N. Al-Berry, Hala M. Ebied, and Mohamed F. Tolba, Comparison of CNNs for Remote Sensing Scene Classification, 13th IEEE International Conference on Computer Engineering and Systems (ICCES), pp. 27-32, 18-19 December 2018
28. Noureldin Laban, Bassam Abdellatif, Hala M. Ebeid, Howida A. Shedeed, Mohamed F. Tolba, Seasonal Multi-Temporal Pixel Based Crop Types and Land Cover Classification for Satellite Images Using Convolutional Neural Networks, 13th IEEE International Conference on Computer Engineering and Systems (ICCES), pp. 21-26, 18-19 December 2018.
29. Reham A. El-Shahed, M. N. Al-Berry, Hala M. Ebeid, Howida A. Shedeed, Video Steganography using 3D Stationary Wavelet Transform, 11th International Conference on Informatics and Systems (Infos2018), 17 October 2018. Available at SSRN: <https://ssrn.com/abstract=3389792> or <http://dx.doi.org/10.2139/ssrn.3389792>
30. Ahmed S. Elsayed, Hala M. Ebeid, Mohamed Roushdy, and Zaki T. Fayed, Masked SIFT with Align-Based Refinement for Contactless Palmprint Recognition, IET Biometrics, vol. 8, Issue 2, March 2019. (IF2017: 1.836, 2019: 1.821, Q3, SJR: 0.429) ISSN 2047-4938 (E-First online 22 Nov. 2018)
31. Shahd T. Mohamed, Hala M. Ebeid, Aboul Ella Hassanien, Mohamed F. Tolba, Automatic White Blood Cell Counting Approach Based on Flower Pollination Optimization Multilevel Thresholding Algorithm, 4th International Conference on Advanced Intelligent Systems and Informatics (AISI'18), Sept. 1-3, 2018, Advances in Intelligent Systems and Computing, vol. 845, pp. 313-323, 2019.

32. Mayer A. Shafaey, Mohammed A.-M. Salem, HM Ebied, MN Al-Berry, and MF Tolba, Deep Learning for Satellite Image Classification, 4th International Conference on Advanced Intelligent Systems and Informatics (AISI'18), Sept. 1-3, 2018, Advances in Intelligent Systems and Computing, vol. 845, pp. 383- 394, 2019.
33. Noureldin Laban, Bassam Abdellatif, Hala M. Ebeid, Howida A. Shedeed, Mohamed F. Tolba, "Improving Land-Cover and Crop-Types Classification of Sentinel-2 Satellite Images," The International Conference on Advanced Machine Learning Technologies and Applications (AMTLTA2018), 22-23 Feb. 2018, Advances in Intelligent Systems and Computing, vol. 723, pp. 449-458, 2018.
34. Noureldin Laban, Bassam Abdellatif, Hala M. Ebied, Howida A. Shedeed, Mohamed F. Tolba, "Performance Enhancement of Satellite Image Classification using a Convolutional Neural Network," International Conference on Advanced Intelligent Systems and Informatics(AISI2018), 9-11 September 2017, Advances in Intelligent Systems and Computing, vol. 639, pp. 673-682, 2018.
35. Mahmoud A. Hossam, Hala M. Ebied, Mohamed H. Abdel-Aziz, Mohamed F. Tolba, "Accelerated Hyperspectral Image Recursive Hierarchical Segmentation Using GPUs, Multicore CPUs and Hybrid CPU/GPU Cluster," J. of Real-Time Image Processing, vol. 14, Issue 2, pp. 413-432, 2018. (IF 2017: 1.574, 2019: 1.968, Q3, SJR 2017: 0.322) ISSN: 1861-8200, eISSN: 1861-8219

2017

36. Shahd T. Mohamed, Hala M. Ebeid, Aboul Ella Hassanien , Mohamed F. Tolba , "A hybrid flower pollination optimization based modified multi-scale retinex for blood cell microscopic image enhancement", 2017 Third IEEE International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2017), India, November 03 - 05, 2017.
37. Marwa S. Moustafa, Hala M. Ebeid, Ashraf K. Helmy, Tatmoor M. Nazamy and Mohamed F. Tolba, "Acceleration of Super-resolution for Multispectral Images using Self-Example Learning and Sparse Representation" In Computers & Electrical Engineering, vol. 62, 249-265, 2017. (IF 2017: 1.747, 2019: 2.663, Q2, SJR 2017: 0.401) ISSN: 0045-7906, eISSN: 1879-0755
38. Maryam N. Al-Berr, Mohamed A.-M. Salem, Hala M. Ebeid, Mohamed F. Tolba, and A. S. Hussein, "Directional Multi-scale Stationary Wavelet-based Representation for Human Action Classification," Handbook of Research on Machine Learning Innovations and Trends (2 volumes), IGI Global, pp. 295-319, May 2017.
39. Noha Khattab, Shaheera Rashwan, Hala M. Ebeid, Howida A. Shedeed, Walaa M. Sheta, Mohamed F. Tolba, "Adaptive Multiple Kernel Self-organizing Maps for Hyperspectral Image Classification," 8th International Conference on Computer Modeling and Simulation (ICCMS2017), ACM International Conference Proceeding Series Part F128047, pp. 119-124, Canberra, Australia, January 20-23, 2017.
40. Dina Khattab, Hala M. Ebeid, Ashraf S. Hussein, Mohamed F. Tolba, "3D Mesh Segmentation Based on Unsupervised Clustering," International Conference on Advanced Intelligent Systems and Informatics 2016 (AISI2016), Advances in Intelligent Systems and Computing, vol. 533, pp. 598-607, 2017.
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