PERSONAL INFORMATION

Ali Kadhum IDREES, Ph.D.

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Skype alikidrees

Sex Male | Date of birth 19 Apr 1978 | Nationality Iraqi

WORK EXPERIENCE

1 Nov 2015–Present

Professor in Computer Science

University of Babylon, Babylon (Iraq)

- Head of Computer Sciences from 01/02/2017 until 01/02/2020.
- Lecturer in undergraduate studies.
- Lecturer in postgraduate studies (Ph.D. and MSc.)
- Participation in supervision on undergraduate students.
- Participation in supervision on postgraduate students (Ph.D. and MSc.).
- Researcher in the NODPA research team.
- Member of several administrative committees in the college, University, and ministry of higher education.
- Participation in several conferences in Iraq.
- Participation in several international conferences.
- Publishing several papers in the international journals and conferences.
- Head of scientific committee in the computer sciences Dept. from 01/02/2017 until 01/02/2020.
- Head of postgraduate studies committee in the computer science Dept. from 01/02/2017 until 01/02/2020.
- Member of several exam (defence) committees for Ph.D. students.
- Chair or Member of several exam (defence) committees for MSc. students.
- Head of exam committee in the computer sciences Dept. from 01/02/2017 until 01/02/2020.
- Reviewing several papers in local and international journals and conferences.
- TPC in several international conferences.

1 Jun 2011–1 Nov 2015

PhD Student in France

University of Franche-Comté & University of Babylon, Belfort (France)

- Passing Level DELF B1 French language course in France.
- Passing a special course in French language for high level students.
- Researcher in energy optimization in Wireless Sensor Networks.
- Member of FEMTO-ST - DISC - AND Team.
- Participating in some conferences in France.
- Publishing some papers in international journals and conference.
- Visiting several research Labs in France.
- Taking several courses in French Universities.
- Finally, getting the PhD in Computer Science from the University of Franche-Comte with an honours degree during 3 years.

7 Mar 2007–1 Jun 2011

Instructor in Computer Sciences

University of Babylon, Babylon (Iraq)

- Head assistant of computer sciences department.
- Member in the examination committee of the college.
- Teaching undergraduate courses and labs in Computer Science.
- Supervision of several BSc. graduation projects.
- Researcher in communication networks field.
- Member of several administrative committees of the University.
- Passing Level DELF A1 French language.
- Getting a scholarship for Ph.D. study in France.

6 Jun 2004–6 Mar 2007

Assistant Instructor in Computer Sciences

University of Babylon, Babylon (Iraq)

- My academic rank Assistant Instructor
- Teaching several undergraduate courses and labs in computer science.
- Supervision on several BSc. graduation projects.
- Researcher in communication networks team.
- Head of the database unit in the college.
- Member in the examination committee of the college.
- Member in several committees of the college.

1 Sep 2002–15 May 2004

Higher Education teaching professional

University of Babylon & University of Al-Qadisiyah (Iraq).

- Lecturer for undergraduate courses and labs in computer science.
- Supervision on a number of BSc. graduation projects.

EDUCATION AND TRAINING

1 Sep 2012–1 Oct 2015

Ph.D. in Computer Science (Wireless Networks)

University of Franche-Comté, Belfort (France)

Date of Graduation: 1 October, 2015.

Title of Ph.D. Dissertation: **Distributed Coverage Optimization Techniques for Improving Lifetime of Wireless Sensor Networks**.

1 Sep 2000–14 Oct 2003

M.Sc. Computer Science

University of Babylon, Babylon (Iraq)

Title of Master's thesis: **Neural Network for Adaptive Distributed Routing in Communication Networks**.

1 Sep 1996–15 Jun 2000

B.Sc. Computer Science

University of Babylon, Babylon (Iraq)

PERSONAL SKILLS

Mother tongue(s) Arabic

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	B1	B1	B1	B1	B1
	DELF B1				

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

Communication skills

- Good verbal and written communication skills for scientific publications.
- Experienced at giving conference, lecture, and seminar presentations to large audiences.
- Good experience in teaching methods and learning styles.

Organizational / managerial skills

- Good organizational and prioritization skills.

Job-related skills

- **TECHNICAL SKILLS:**

* **Operating Systems:** Linux, Windows.
* **Languages:** C/ C++, Python, Java, Visual C++.net, Visual Basic.net.
* **Network Simulators:** OMNeT++.
* **Optimization Slover Tools:** GLPK.
* **Office:** Latex, OpenOffice, LibreOffice, WPS Office, Microsoft Office.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Independent user	Independent user	Proficient user	Independent user

ADDITIONAL INFORMATION

RESEARCH INTERESTS

- Internet of Things (IoT).
- Wireless Sensor Networks.
- Fog Computing.
- Body sensor networks.
- Healthcare monitoring.
- Self-Organization (Clustering, activity-scheduling, etc.).
- Localization, Coverage, and deployment.
- Distributed Optimization.
- Computer Networks.
- Data Mining and Big data
- Deep Machine learning.
- Evolutionary Algorithms.

Courses

I taught the following Courses for the postgraduate students:

- Wireless Sensor Networks for **MSc.** students.
- Software-Defined Networks for **MSc.** students.
- Advanced Networks for **MSc.** students.
- Low power Networks for **Ph.D.** students.

I taught the following Courses for **BSc.** students:

- Ad-hoc Wireless Networks.
- Embedded Systems.
- Computer Networks.
- Algorithm design and analysis.
- Data structures and algorithms.
- Windows programming by visual basic.net.
- Network programming by visual basic.net.
- Structured programming.
- Database programming.
- Software engineering.

RESEARCH ACTIVITIES

- TPC in the 9th International Conference on Software and Information Engineering (ICSIE 2020), April 14-16, 2020, Cairo, Egypt.
- Session Chair of the Special track on DSIoT: Data Science for the Internet of Things along with ICWMC 2020, The Sixteenth International Conference on Wireless and Mobile Communications, June 28, 2020 to July 02, 2020 - Athens, Greece.
- TPC in the Sixteenth International Conference on Wireless and Mobile Communications, ICWMC 2020, June 28, 2020, to July 02, 2020 - Athens, Greece.
- TPC in the 4th international conference New Trends in Information and Communications Technology Applications (NTICT'19), 9 - 10 December 2019, Baghdad-IRAQ
- TPC in the 6th International Conference on Computing and Informatics 2017 (ICOCI 2017), 25th-27th April 2017, Sama-Sama Hotel KL International Airport, Jalan CTA 4B 64000 KLIA, Sepang,

Selangor Darul Ehsan, Malaysia.

- TPC in the sixteenth International Conference on Networks, ICN 2017, April 23 - 27, 2017 - Venice, Italy.
- TPC in the Fifteenth International Conference on Networks, ICN 2016, February 21 - 25, 2016 - Lisbon, Portugal.
- TPC in the Fourteenth International Conference on Networks, ICN 2015, April 19 - 24, 2015 - Barcelona, Spain.
- TPC in the International Conference on Emerging Wireless Communications and Networking (EWCN), Erbil, Iraq (6-8 April 2015).
- Reviewer for [selected journals]: Wireless Personal Communication, Springer; Wireless Networks, Springer; Journal of Circuits, Systems, and Computers, World Scientific Publishing; IEEE Internet of Things Journal, IEEE.
- Reviewer for several International conferences.

Publications

PEER REVIEWED INTERNATIONAL JOURNALS

[IJ1] Alaa Shawqi Jaber and Ali Kadhum Idrees. (2020). Adaptive Rate Energy-Saving Data Collecting Technique for Health Monitoring in Wireless Body Sensor Networks, **International Journal of Communication Systems**, John Wiley & Sons Inc, SJR (Q2), IF Web of Science JCR **1.319, Accepted.**

[IJ2] Alaa Shawqi Jaber and Ali Kadhum Idrees. (2020). Energy-Saving Multisensor Data Sampling and Fusion with Decision-Making for Monitoring Health Risk Using WBSNs, Software: Practice and Experience, John Wiley & Sons Inc, SJR (Q2), IF Web of Science JCR **1.786**, **Accepted.**

[IJ3] Ali Kadhum Idrees, Rafal Alhussaini, and Mahdi Abed Salman. (2020). Energy-efficient Two-layer Data Transmission Reduction Protocol in Periodic Sensor Networks of IoTs, **Personal and Ubiquitous Computing**, Springer, SJR (Q2), IF Web of Science JCR **2.000,** DOI: 10.1007/s00779-020-01384-5

[IJ4] Ali Kadhum M. Al-Qurabat and Ali Kadhum Idrees (2020). Data Gathering and Aggregation with Selective Transmission Technique to Optimize the Lifetime of IoT Networks, **International Journal of Communication Systems**, John Wiley & Sons Inc, SJR (Q2), IF Web of Science JCR **1.319** , DOI: 10.1002/dac.4408

[IJ5] Ali Kadhum M. Al-Qurabat and Ali Kadhum Idrees (2019). Two level data aggregation protocol for prolonging lifetime of periodic sensor networks, Wireless Networks, **Wireless Networks**, 25(6), 3623-3641, Springer, SJR (Q2), IF Web of Science JCR **2.659,** DOI: 10.1007/s11276- 019-01957-0

[IJ6] Ali Kadhum Idrees, M Al-Qurabat (2017) Distributed Adaptive Data Collection Protocol for Improving Lifetime in Periodic Sensor Networks. **IAENG International Journal of Computer Science**, 44(3):345-357, SJR (Q2), http://www.iaeng.org/IJCS/issues_v44/issue_3/IJCS_44_3_10.pdf

[IJ7] Al-Qurabat, A. K. M., & Ali Kadhum Idrees (2018). Energy-efficient adaptive distributed data collection method for periodic sensor networks. **International Journal of Internet Technology and Secured Transactions**, *8*(3), 297-335, SJR (Q4), **DOI**: 10.1504/IJITST.2018.093660

[IJ8] Ali Kadhum Idrees, Wathiq Laftah Al-Yaseen: (**In Press**) Distributed Genetic Algorithm for Lifetime Coverage Optimization in Wireless Sensor Networks, **International Journal of Advanced Intelligence Paradigms**, SJR (Q3), **DOI:** 10.1504/IJAIP.2021.10021275

[IJ9] Ali Kadhum Idrees and Athraa J. H. Witwit (**In Press**). Energy-efficient Load-balanced RPL routing protocol for Internet of Things (IoTs) Networks, **International Journal of Internet Technology and Secured Transactions,** SJR (Q4), https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijitst

[IJ10] Ali Kadhum M. Al-Qurabat, Ali Kadhum Idrees: Distributed Data Aggregation and Selective Forwarding Protocol for Improving Lifetime of Wireless Sensor Networks, (2018) **Journal of Engineering and Applied Sciences**, 13(5 SI): 4644-4653., SJR (Q3), DOI: 10.36478/jeasci.2018.4644.4653

[IJ11] Harb, Hassan, Ali Kadhum Idrees, Ali Jaber, Abdallah Makhoul, Oussama Zahwe, and Mohamad Abou Taam. (2017) "Wireless sensor networks: A big data source in Internet of Things." *International Journal of Sensors Wireless Communications and Control* 7, no. 2, pp. 93-109, SJR (Q4), **DOI** : 10.2174/2210327907666170906144926.

[IJ12] Idrees, A. K., Deschinkel, K., Salomon, M., & Couturier, R. (2018). Multiround distributed lifetime coverage optimization protocol in wireless sensor networks. *The Journal of Supercomputing*, *74*(5), 1949-1972, Springer, SJR (Q2), IF Web of Science JCR **2.469,** DOI:10.1007/s11227-017-2203-7

[IJ13] Idrees, A. K., Deschinkel, K., Salomon, M., & Couturier, R. (2016). Perimeter-based coverage optimization to improve lifetime in wireless sensor networks. Engineering Optimization, *48*(11), 1951-1972, Taylor & Francis, SJR (Q1), IF Web of Science JCR **2.165,** DOI:10.1080/0305215X.2016.1145015

[IJ14] Idrees, A. K., Deschinkel, K., Salomon, M., & Couturier, R. (2015). Distributed lifetime coverage optimization protocol in wireless sensor networks. *The Journal of Supercomputing*, *71*(12), 4578-4593, Springer, SJR (Q2),

IF Web of Science JCR **2.469,** DOI:10.1007/s11227-015-1558-x

PEER REVIEWED NATIONAL JOURNALS

[NJ1] Hussein, W., & Idrees, A. K. (2017). Sensor activity scheduling protocol for lifetime prolongation in wireless sensor networks. *Kurdistan Journal of Applied Research*, *2*(3), 7-13, DOI:10.24017/science.2017.3.12

[NJ2] Huseein, W. H., & Idrees, A. K. (2017). Energy-Efficient Sensor Activity Scheduling Protocol for Wireless Sensor Networks. *Qalaai Zanist Journal*, *2*(2), 239-247, DOI:10.25212/lfu.qzj.2.2.25

[NJ3] Al-Qurabat, A. K., & Idrees, A. K. (2017). Adaptive data collection protocol for extending lifetime of periodic sensor networks. *Qalaai Zanist Scientific Journal*, *2*(2), 83-92, DOI:10.25212/lfu.qzj.2.2.11

[NJ4] Al-Qurabat, A., & Idrees, A. (2017). Distributed data aggregation protocol for improving lifetime of wireless sensor networks. *Qalaai Zanist Journal*, *2*(2), 204-215, DOI:10.25212/lfu.qzj.2.2.22

[NJ5] Ali Kadhum Idrees, Suhad A. Ali, Esrra H. Obead: Image Compression using Genetic Algorithm. JOURNAL of UNIVERSITY of BABYLON for Pure and Applied Sciences.

[NJ6] Ali Kadhum Idrees: Multicast Particle Swarm Optimizer Router based QoS in Communication Networks. JOURNAL of UNIVERSITY of BABYLON for Pure and Applied Sciences,Vol. 19, No. 1, 2011.

[NJ7] Idrees, A. K. (2010). Neural network for QoS multicast routing in computer networks. *Journal of Babylon University*, *18*(3).

[NJ8] Ali Kadhum Idrees: Virtual Path Topology design in ATM Networks by using Genetic Algorithm. JOURNAL of UNIVERSITY of BABYLON for Pure and Applied Sciences, Vol. 15, No. 3, 2008.

[NJ9] Ali Kadhum Idrees: Loc*al path planing of a mobile robot using evoulionary programming algorithm*. **J**OURNAL of **U**NIVERSITY of **B**ABYLON for Pure and Applied Sciences, Vol. 16, No. 1, 2008.

[NJ10] Ali Kadhum Idrees: *Evolutionary Programming Algorithm For Delay-Constrained Minimum-Cost Multicast Routing in Computer Networks*. **J**OURNAL of **U**NIVERSITY of **B**ABYLON for Pure and Applied Sciences, Vol. 15, No. 1, 2008.

[NJ11] Ali Kadhum Idrees: *Type-of-Service based distributed neural router*. **J**OURNAL of **U**NIVERSITY of **B**ABYLON for Pure and Applied Sciences, Vol. 12, No. 3, 2006.

[NJ12] Ali Kadhum Idrees: *A Genetic Routing Algorithm for OSPF Protocol in Communication Networks*. **J**OURNAL of **U**NIVERSITY of **B**ABYLON for Pure and Applied Sciences, Vol. 12, No. 3, 2006.

Book Chapters

[BC1] Ali Kadhum Idrees, Safaa O. Al-Mamory, Raphael Couturier: (2020). Energy-efficient Particle Swarm Optimization for Lifetime Coverage Prolongation in Wireless Sensor Networks. In book: New Trends in Information and Communications Technology Applications, Springer Nature Switzerland AG 2020, DOI: 10.1007/978-3-030-55340-1_15.

[BC2] Rafal Alhussaini, Ali Kadhum Idrees, Mahdi Abed Salman: *Data Transmission Protocol for Reducing the Energy Consumption in Wireless Sensor Networks*. Communications in Computer and Information Science, 1 09/2018: pages 35--49; Springer International Publishing., ISBN: 978-3- 030-01652-4, DOI:10.1007/978-3-030-01653-1_3

[BC3] Athraa J. H. Witwit , Ali Kadhum Idrees: *A Comprehensive Review for {RPL} Routing Protocol in Low Power and Lossy Networks*. Communications in Computer and Information Science, 1 09/2018: pages 50--66; Springer International Publishing., ISBN: 978-3-030-01652-4, DOI:10.1007/978-3-030-01653-1_4

PEER REVIEWED INTERNATIONAL CONFERENCES (Ranked in Era or Qualis)

[ICR1] Ali Kadhum Idrees and Chady Abou Jaoude, and Ali Kadhum M. Al-Qurabat, (2020), " Data Reduction and Cleaning Approach for Energy-saving in Wireless Sensors Networks of IoT,", 16th International Conference on Wireless and Mobile Computing, Networking and Communications (IEEE WiMob 2020), in Thessaloniki, Greece, October 12-14, 2020., **Rank Rank** (Qualis): **B1, Accepted**

[ICR2] Ali Kadhum M. Al-Qurabat and Ali Kadhum Idrees, and Chady Abou Jaoude, (2020), " Dictionary-Based DPCM Method for Compressing IoT Big Data," in IWCMC 2020 Conference, June 15-19, 2020, in the St. Raphael Resort & Marina, Limassol, Cyprus, **Rank** (ERA): **B**, **Accepted**

[ICR3] Ali Kadhum Idrees, Al-Qurabat, A. K. M., Jaoude, C. A., & Al-Yaseen, W. L. (2019, June). Integrated Divide and Conquer with Enhanced k-means technique for Energy-saving Data Aggregation in Wireless Sensor Networks. In 2019 15th International Wireless Communications & Mobile Computing Conference (IWCMC) (pp. 973-978). IEEE, **Rank** (ERA): **B**.

[ICR4] Al-Qurabat, A. K. M., Jaoude, C. A., & Ali Kadhum Idrees. (2019, June). Two Tier Data Reduction Technique for Reducing Data Transmission in IoT Sensors. In *2019 15th International Wireless Communications & Mobile Computing Conference (IWCMC)* (pp. 168-173). IEEE, **Rank** (ERA): **B**.

[ICR5] Bashaa, M. H., Al-Alak, S. M., & Ali Kadhum Idrees (2019, April). Secret key generation in wireless

sensor network using public key encryption. In *Proceedings of the international conference on information and communication technology(ICICT)* (pp. 106-112), ACM, **Rank** (ERA): **C**.

[ICR6] Ali Kadhum Idrees, Hassan Harb, Ali Jaber, Oussama Zahwe, Mohamad Abou Taam: *Adaptive Distributed Energy-Saving Data Gathering Technique for Wireless Sensor Networks*. 2017 IEEE 13th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob)(WIMOB), Rome, Italy; 10/2017, DOI:10.1109/WiMOB.2017.8115805, **Rank** (Qualis): **B1.**

[ICR7] Ali Kadhum Idrees, Karine Deschinkel, Michel Salomon, Raphaël Couturier: *Coverage and Lifetime Optimization in Heterogeneous Energy Wireless Sensor Networks*. ICN 2014 : The Thirteenth International Conference on Networks; 02/2014, **Rank** (Qualis): **B1**

PEER REVIEWED INTERNATIONAL CONFERENCES (NOT Ranked in ERA or Qualis)

[ICN1] Ali Kadhum Idrees, Wathiq Laftah Al-Yaseen, Mohamad Abou Taam, Oussama Zahwe: *Distributed Data Aggregation based Modified K-means Technique for Energy Conservation in Periodic Wireless Sensor Networks*. IEEE Middle East & North Africa COMMunications Conference (**IEEE MENACOMM'18**), Jounieh, Lebanon; 03/2018, DOI:10.1109/MENACOMM.2018.8371007

[ICN2] Al-Nassrawy, K. K., Al-Shammary, D., & Idrees, Ali Kadhum (2020). High Performance Fractal Compression for EEG Health Network Traffic. ***Procedia Computer Science***, *167*, 1240-1249.

[ICN3] Almasoudy, F. H., Al-Yaseen, W. L., & Idrees, Ali Kadhum (2020). Differential Evolution Wrapper Feature Selection for Intrusion Detection System. ***Procedia Computer Science***, *167*, 1230-1239.

[ICN4] Suha Abdulhussein Abdulzahra, Ali Al-Qurabata, and Ali Kadhum Idrees (2020) Data Reduction Based on Compression Technique for Big Data in IoT, Accepted in the 2nd IEEE International Conference on Emerging Smart Computing and Informatics (**IEEE ESCI** 2020), AISSMS Institute of Information Technology, Kennedy Road, Near R.T.O., Pune – 411 001, Maharashtra (INDIA)

[ICN5] Ghafran Ali, Ali Al-Qurabata, and Ali Kadhum Idrees (2020). A Compression-based Block Truncation Coding technique to Enhance the Lifetime of the Underwater Wireless Sensor Networks, 2nd International Scientific Conference (ISCAU-2020), Al-Ayen University, Thi-Qar province, Iraq, 15th – 16th July 2020

Ph.D. AND MASTER THESIS SUPERVISION

Ph.D. Students: 3

#	Start Date	Defense Date	Ph.D. Student Name
1	02/02/2016	**01/03/2018**	Ali Kadhum M. Al-Qurabat
Dissertation Title		Energy-efficient Data Aggregation Approaches for Improving Lifetime of Wireless Sensor Networks	

#	Start Date	Defense Date	Ph.D. Student Name
2	03/01/2019		Alaa Shawqi Jaber
Dissertation Title		Adaptive Data collection and fusion with fog computing for IoT based Patient Health Monitoring	

#	Start Date	Defense Date	Ph.D. Student Name
3	03/01/2019		Mazin Kadhum Hameed
Dissertation Title		Sensor Scheduling Mechanisms for Internet of Thing (IoT) Networks	

Master Students: 8

#	Start Date	Defense Date	MSc. Student Name
1	30/11/2016	**22/02/2018**	Wisam H. Huseein
Thesis Title	Energy-Efficient Sensor Activity Scheduling Protocol for Wireless Sensor Networks		

#	Start Date	Defense Date	MSc. Student Name
2	06/09/2017	**12/02/2019**	Rafal Alhussaini
Thesis Title	A Distributed Data reduction protocol for energy conservation in Wireless Sensor Networks		

#	Start Date	Defense Date	MSc. Student Name
3	01/11/2017	**17/02/2019**	Athraa J. H. Witwit
Thesis Title	Energy-saving routing protocol for IoT applications		

#	Start Date	Defense Date	MSc. Student Name
4	01/09/2018	**19/02/2020**	Manar H. Bashaa
Thesis Title	Efficient Key Distribution Protocol for Wireless Sensor Networks.		

#	Start Date	Defense Date	MSc. Student Name
5	01/09/2018	**08/03/2020**	Faezah Hamad Almasoudy
Thesis Title	An efficient feature selection method for intrusion detection based on a soft computing technique		

#	Start Date	Defense Date	MSc. Student Name
6	01/12/2018	**03/05/2020**	Kahlaa K. Al-Nassrawy
Thesis Title	Enhancing Health Network performance using traffic data reduction approaches.		

#	Start Date	Defense Date	MSc. Student Name
7	17/07/2019		Suha Abdulhussein Abdulzahra
Thesis Title	Data Reduction Based on Compression to Minimize Data Sending of IoT Sensors		

#	Start Date	Defense Date	MSc. Student Name
8	06/11/2019		Ghufran Ali
Thesis Title	Compression-Based Strategies for Enhancing Lifetime of Underwater Wireless Sensor Networks of IoTs.		

BSc. Students:

- I have previously supervised and examined several BSc. Graduation Projects.

Ph.D. and MSc. Examination Committee Member

Ph.D. Examination Committee Member:

- The number of Ph.D. Dissertations that I have examined is **Seven** Dissertations.

#	Date of Defense	Ph.D. Student Name
1	07/04/2016	Ahmed Abdel Reda Abbas
2	14/07/2016	Hazim Jaleel
3	14/07/2016	Farqad Hamid Abdul Rahim
4	28/09/2017	Hawraa Adel Nuri
5	05/10/2017	Adil Mohammed Salman
6	03/03/2018	Abdel Nasser Riad Finjan
7	21/02/2019	Nawfal Al-Jumaili

MSc. Examination Committee Member:

- The Number of MSc. that I examined is **Eight** MSc.

#	Date of Defense	MSc. Student Name
1	26/03/2017	Zahraa Yassin Hassan
2	03/05/2018	Rasha Ali Dahn
3	08/05/2018	Safa Zahir Abbas
4	10/03/2019	Suzan Mohamed Ali
5	16/01/2020	Manal Hamid Abbas
6	24/02/2020	Abbas Muhammad Ali
7	12/03/2020	Ruaa Jasim Musa
8	06/05/2020	Baidaa Ali Hussein

Author Impact:

- **Publons H-index: 4**
- **Scopus H-index: 7**
- **Google H-index: 8**

References:

1. **Prof. Dr. Raphaël Couturier**
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   University of Bourgogne Franche-Comte
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   E-mail: raphael.couturier@univ-fcomte.fr
   Address: B.P.527-19 Avenue du Marechal Juin F-90016 Belfort
   France.

2. **Dr. Hassan Harb,**
   Faculty of Engineering
   Antonine University
   Lebanon
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3. **Asst. Prof. Dr. Tara Ali Yahiya (HDR)**
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