



## FACULTY FULL NAME Azza Ahmed Abdo Ali

**POSITION** Assistance professor of Department of Computer, Faculty of Education, Jubil, Imam Abd El Rahman Bin Feisel University,

### Personal Data

Nationality | Egyptian

Date of Birth | JUNE 15 , 1982

Department | Department of Computer, Faculty of Education, Jubil, Imam Abd El Rahman Bin Feisel University,

Official UoD Email |

Office Phone No. |

### Language Proficiency

Language	Read	Write	Speak
Arabic	Yes	Yes	Yes
English	Yes	Yes	Yes
Others			

### Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2012	Ph.D	Fac. Sci	Menoufiya Univ., Egypt.
2008	M. Sc.	Fac. Sci	Menoufiya Univ., Egypt.
2003	B.Sc	Fac. Sci	Menoufiya Univ., Egypt.

### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

<b>PhD</b>	"Image encryption based on cellular neural networks and cellular automata"
<b>Master</b>	"Digital signature and authentication"
<b>Fellowship</b>	

### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date	
Assistance professor,	Mathematics Department, Computer	, Fac. Sci., Science	Menoufiya Univ., Egypt	2012 – till now



Assistant Lecturer	, Mathematics Department, Computer	, Fac. Sci., Science	Menoufiya Univ., Egypt.	2008 – 2012
Demonstrator	, Mathematics Department, Computer Science,	Fac. Sci.,	Menoufiya Univ., Egypt.	2005 – 2008

### Scientific Achievements

#### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1.	Azza A.A., Lian, S	Multi-secret image sharing based on elementary cellular automata with steganography.	Multimed Tools Appl 79, 21241–21264 (2020). <a href="https://doi.org/10.1007/s11042-020-08823-8">https://doi.org/10.1007/s11042-020-08823-8</a> <b>[Q1- IF 2.3]</b>
2.	Ali, Azza A. (et al.),	'Synonym Multi-keyword Search Over Encrypted Data Using Hierarchical Bloom Filters Index',	Machine Learning and Big Data Analytics Paradigms: Analysis, Applications and Challenges(2021). Pages 521-545 <b>[Book Chapter]</b>
3.	Azza Ahmed, Aboul Ella Hassanein,	"Investigating Epidemic Growth of COVID-19 in Saudi Arabia based on Time Series Models",	(IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 11, No. 12, 2020. <b>[Q4 – Scopus Indexed]</b>
4.	Azza A. Abdo et al.	AN EFFICIENT COLOR IMAGE ENCRYPTION SCHEME BASED ON COMBINATION OF HILL CIPHER AND CELLULAR NEURAL NETWORK'	, Indian Journal of Computer Science and Engineering (IJCSE), Vol. 11 No. 2 Mar-Apr 2020, DOI : 10.21817/indjcse/2020/v11i2/201102034 <b>[Scopus Indexed]</b>
5.	Azza A. Abdo et al.	Image sharing using Hill cipher and Blackly secret sharing	The 5th International Conference on Advanced Intelligent Systems and Informatics,2020. <b>[Scopus Indexed]</b>



6.	D. M. Alsaffar , Azza.A.Ali, <i>et al.</i> , "Image Encryption Based on AES and RSA Algorithms,"	Image Encryption Based on AES and RSA Algorithms	2020 3rd International Conference on Computer Applications & Information Security (ICCAIS), Riyadh, Saudi Arabia, 2020, pp. 1-5, doi: 10.1109/ICCAIS48893.2020. [Scopus Indexed]
7.	Ali A.A., Saleh S.	Attribute-Based Data Retrieval with Keyword Search over Encrypted Data in Cloud	International Conference on Advanced Intelligent Systems and Informatics 2019. AISI 2019. Advances in Intelligent Systems and Computing, vol 1058. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-31129-2_80">https://doi.org/10.1007/978-3-030-31129-2_80</a> [Scopus Indexed]
8.	Ali A.A., Saleh S.	Synonym Multi-keyword Search over Encrypted Data Using Hierarchical Bloom Filters Index.	(2020) International Conference on Advanced Intelligent Systems and Informatics 2019. AISI 2019. Advances in Intelligent Systems and Computing, vol 1058. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-31129-2_63">https://doi.org/10.1007/978-3-030-31129-2_63</a> [Scopus Indexed]
9.	Ali Meligy ; Azza A. Abdo ; Ayman Alazab,	"P2P Social Network with Partitioned Dynamic Identity- Based Broadcast Encryption"	Computer Engineering Conference (ICENCO), 2016 12th International. [Scopus Indexed]
10.	Passent M. ELkafrawy, Azza A. Abdo, Amr. F. Shawish	" <b>Security Issues over Some Cloud Models</b>	Procedia Computer Science Volume 65, 2015, Pages 853–858. International Conference on Communication, Management, and Information Technology "ICCMIT'15" April 20-22, 2015 Prague-Czech. [Scopus Indexed]
11.	Tiejun.Zhang; Manhrawy, I. M, Abdo A. A, El-Latif, A. A. Abd; Rhouma.R	" <b>Cryptanalysis of Elementary Cellular Automata Based Image Encryption</b>	Advanced Materials Research;2014, Vol. 981, p372 [Scopus Indexed]
12.	A.Melige , A. Abdo, A.Alazab	" <b>P2P Social Network with Dynamic Identity-based Broadcast Encryption using Rolls"</b>	International Journal of Computer Applications (0975 – 8887) Volume 102– No.6, September 2014 [Scopus Indexed]
13.	A.A. Abdo, Shiguo Lian, I.A.Ismail, M. Amin, and H. Diab	" <b>A CRYPTOSYSTEM BASED ON ELEMENTARY CELLULAR AUTOMATA"</b>	Communications in Nonlinear Science and Numerical Simulation, 2012. (Q1 - I.F =2.7)



14.	I. A. Ismail, S. F. El-Zoghdy, and A. A. Abdo	"A Novel Technique for Data Hiding"	<i>International Journal of Computers and Applications</i> , 32(1), pp. 32-37, 2010.
15.	A. Ismail, S. F. El-Zoghdy, and A. A. Abdo	"A Secure Nominative Proxy Signature Scheme for Distributed Shared Object Systems"	<i>International Journal of Advanced Networking &amp; Applications (IJANA)</i> , 2(1), pp. 411-4118, 2010.
16.	Said F. El-Zoghdy, Yasser A. Nada, and A. A. Abdo	"How Good Is The DES Algorithm In Image Ciphering?"	<i>Int. J. Advanced Networking and Applications</i> , 02(5), Pp: 796-803 (2011).
17.	I. A. Ismail, N. El-Ramly, S. F. El-Zoghdy, and A. A. Abdo	"Image Ciphering using Data Encryption Standard"	<i>33rd Int. Conf. for Statistics, Computer Sc. &amp; It's Applications (ICSCSA 2008)</i> , April 6 – 10, Egypt.

#### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1.	Azza A. Abdo et al.	Image sharing using Hill cipher and Blackly secret sharing	The 5th International Conference on Advanced Intelligent Systems and Informatics, 2020. <b>[Scopus Indexed]</b>
2.	D. M. Alsaffar , Azza.A.Ali, <i>et al.</i> , "Image Encryption Based on AES and RSA Algorithms,"	Image Encryption Based on AES and RSA Algorithms	2020 3rd International Conference on Computer Applications & Information Security (ICCAIS), Riyadh, Saudi Arabia, 2020, pp. 1-5, doi: 10.1109/ICCAIS48893.2020. <b>[Scopus Indexed]</b>
3.	Ali A.A., Saleh S.	Attribute-Based Data Retrieval with Keyword Search over Encrypted Data in Cloud	International Conference on Advanced Intelligent Systems and Informatics 2019. AISI 2019. Advances in Intelligent Systems and Computing, vol 1058. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-31129-2_80">https://doi.org/10.1007/978-3-030-31129-2_80</a> <b>[Scopus Indexed]</b>
4.	Ali A.A., Saleh S.	Synonym Multi-keyword Search over Encrypted Data Using Hierarchical Bloom Filters Index.	(2020) International Conference on Advanced Intelligent Systems and Informatics 2019. AISI 2019. Advances in Intelligent Systems and Computing,



			vol 1058. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-31129-2_63">https://doi.org/10.1007/978-3-030-31129-2_63</a> [Scopus Indexed]
5.	Ali Meligy ; Azza A. Abdo ; Ayman Alazab,	"P2P Social Network with Partitioned Dynamic Identity-Based Broadcast Encryption"	Computer Engineering Conference (ICENCO), 2016 12th International. [Scopus Indexed]

#### Current Researches

#	Research Title	Name of Investigator(s)
1	Image encryption based on DNA and "chaotic map"	Azza Ahmed, Manal Ali
2	Multi Secret image sharing based on "elementary cellular automata"	Azza Ahmed

#### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Ali Meligy ; Azza A. Abdo ; Ayman Alazab,	International Conference on Communication, Management, and Information Technology "ICCMIT'15"	Paper with title: " <b>Security Issues over Some Cloud Models</b> "
2	Passent M. ELkafrawy, Azza A. Abdo, Amr. F. Shawish	12th International conference of Computer Engineering Conference (ICENCO)	Paper with title " <b>P2P Social Network with Partitioned Dynamic Identity-Based Broadcast Encryption</b> "



## Teaching Activities

### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Programming Structure(C- Language).		
2	- Chooses in Computer Science (Information Security).		
	File Structure.		
	Operating System.		
	Logic in computer science		

### Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	Advanced Operating system		

### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	<u>MSc</u>	- "Searching encrypted data in cloud computing	Department of Mathematics, Faculty of Science, Menoufiya University,	2013
2	<u>MSc</u>	" Social networks peer to peer dynamic identity based encryption with rolls"	Department of Mathematics, Faculty of Science, Menoufiya University,	2013
3	<u>MSc</u>	- "Data sharing in cloud computing"	Department of Mathematics, Faculty of Science, Menoufiya University,	2013
4	<u>MSc</u>	- "Cryptanalysis and design of cryptographic algorithms based on Cellular automata",	Department of Mathematics, Faculty of Science, Menoufiya University,	2014



5	<u>MSc</u>	- " Identity based encryption based on Byliener maps"	Department of Mathematics, Faculty of Science, Menoufiya University,	2014
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#### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
	<u>MSc</u>	- "Cryptanalysis and design of cryptographic algorithms based on Cellular automata",	Department of Mathematics, Faculty of Science, Menoufiya University,	2014
	<u>MSc</u>	- " Identity based encryption based on Byliener maps"	Department of Mathematics, Faculty of Science, Menoufiya University,	2014

#### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

##### Committee Membership

#	From	To	Position	Organization
	2018	now	Research Committee	

#### Last Update

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