

## Curriculum Vitae for Assit Prof. Dr. Alia K. Abdul Hassan

Date of Birth: 28-3- 1971

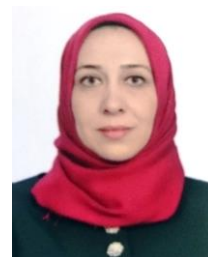
Place of work: Computer Science Dep. /University of Technology

Languages: Arabic / English

Place of Residence: Baghdad/ Iraq

Contact Mobile: 00964 790 1850713

E-Mail: [hassanalia2000@yahoo.com](mailto:hassanalia2000@yahoo.com),  
[110018@UOTECHNOLOGY.EDU.IQ](mailto:110018@UOTECHNOLOGY.EDU.IQ)



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### Academic Qualifications

B.Sc. Computer Science/ University of Technology/1993

MSc. Computer Science/ University of Technology/ 1999.

Ph.D. Computer Science/ University of Technology /2004.

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### The Scientific Degree:

Assistant professor since 20/3/2008

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### Position:

Deputy Dean of Computer Science Department since Feb 2015 till now.

Head of Software Systems branch from 2012 to 2013.

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### Honors and awards

Many acknowledgment letters

The Ministry of Higher Education Award in Science Day 2009

The University of Technology Award in Women Day 2013

The University of Technology Award in University Day 2015.

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### Supervision on 12 MSc. thesis and 8 PhD thesis. in Computer Science

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#### Activities:-

- One month Iraq Professor Advanced Study Program / Southwest Jiao tong University-china / 2012.
- Attending lecture of (cloud computing), Computer Science Dept. 2013.
- Two weeks Research higher education work shop at North Hampton university , United Kingdom,2013
- One week training work shop for programming Boe bot mobile robot Computer Science Dept. 2014.
- One week training work shop for programming Boe bot Arm robot Computer Science Dept. 2014.
- Attending lecture of (Green computing), Computer Science Dept. 2016.

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#### Current Research Interests

Soft computing, Green computing, AI, Data Mining , Software engineering , Electronic Management, Computer security .

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**Researches :**

45 Published Papers and the most recently published are:

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1. **"Proposed approach for key generation based on RNA computing"** , Journal of the College of Basic Education, vol 28,no2,2015.
2. **"Image Encryption Based on Hyperchaotic Liu system Algorithm"** , Eng. & Tech. Journal, University of technology , vol.33, Part(B), no.2,2015.
3. **" Hybrid Techniques for proposed Intelligent Digital Image Watermark"**, , Eng. & Tech. Journal, University of technology , vol.33, Part(B), no.4,2015.
4. **"A Proposed English to American Sign Language Translation System"**. International Journal of Advances in Engineering Research ,2015, Vol. No. 10.
5. **'Proposed If\_Then Grammar to Translate English Language Sentence to ASL Sentence'**. Journal of Theoretical and Applied Information Technology, Vol. 83 Issue 1 10th January 2016.
6. **"Proposed Image Similrity Metric with Multi Block Histogram Used in Video"**, *Eng. &Tech.Journal, Vol.34,Part (B), No.4,2016.*
7. **"Enhanced Inverted Index Using in Information Retrival"**, *Eng. &Tech.Journal, Vol.34,Part (B), No.2,2016.*
8. **' Proposed Hyperchoas System for Image Encryption'**,(IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 6, No. 1, 2016 .
9. **' ACRS: Arabic Character Recognition System Based on Multi Features Extraction Methods '** International Journal of Scientific & Engineering Research, Volume 6, Issue 10, October2015.
10. **'Handwriting Word Recognition Based on Neural Networks '** , International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 22 (2015) pp 43120-43124 .
11. **" Handwriting Word Recognition Based on SVM Classifier"**, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 6, No. 11, 2015 .
12. **"Preprocessing framework for Arabic hand written text recognition system"**, Diyala Journal for Pure Sciences, **Vol: 12 No:3 , July 2016.**
13. **"Collision Avoidance Using Cat Swarm Algorithm for Multi Mobile Robot Path Planning in Dynamic Environment "**, Iraqi Journal of Science, 2016, Vol. 57, No.3C, pp:2348-2359.