

# Academic Curriculum Vitae



## Personal Information:

Full Name: Gullanar Mohammed Hadi

Email: (university email): [gullanar.hadi@su.edu.krd](mailto:gullanar.hadi@su.edu.krd)

Mobile: 009647503108228



## Education:

- 1999 – 2004 PhD in Optoelectronics Engineering, Shanghai Jiao Tong University SJTU (Shanghai University of Communications), Shanghai-China (上海交通大学, 上海 -中国, 2004 年)
- 1986 – 1988 Master in Applied Science –University of Al-Mustansiriyah
- 1981 – 1985 (B.Sc. in Science) Bachelor in physics – College of science, University of Al-Mustansiriyah, Baghdad, Iraq. (Ranked first in a class of 45 students with an average score of 76.3%)

## Employment:

- 2009– Present Lecturer of Software Engineering, Department of Software, College of Engineering/ University of Salahaddin, Erbil, IRAQ.
- 2007 – 2009 GJU-Jordan/Assistant Prof.
- 2006 – 2007 Al-Esraa-Jordan/Assistant Prof.
- 2004 – 2006 Al-Mustansiriyah University/ Lecturer
- 1999 – 2004 Shanghai Jiao Tong Univ-China / Ph.D student
- 1996 – 1999 Al-Mustansiriyah University/ Lecturer
- 1989 – 1996 Al-Mustansiriyah University/ Assistant lecturer
- 1986 –1988 University of Technology / Msc. student
- 1985 – 1986 Al-Mustansiriyah University/ Demonstrator

## Qualifications

- Teaching qualifications: Teaching and supervision of undergraduate and postgraduate students since 1989.
- IT qualifications: Computer Programming such as C++, JAVA, Visual Basic, MATLAB within the field of Image Processing and Computer Vision
- Language qualifications such as TOEFL, HSK in Chinese language
- Online courses in Image Processing using MATLAB program.

## Teaching experience:

- Digital Image Processing (Theoretical and Practical)
- Computer Graphics (Theoretical and Practical)
- Statistics Models and Methods (Theoretical and Practical)
- Engineering analysis
- Mathematics
- Discrete Mathematics
- Computational Theory

### Teaching courses for postgraduate students:

- Computer Vision & Advanced Image Processing
- Advanced Image Processing
- Advanced Engineering Mathematics

## Research and publications

- 1- Gullanar M. Hadi, **Benign and Malignant Breast Cancer Features Based on Region Characteristics**. ZANCO Journal of Pure and Applied Sciences, ZJPAS Vol 31( s3 ), 210-216, 2019
- 2- Gullanar M. Hadi, Nassir H. Salman. **Image Segmentation Based on Single Seed Region Growing Algorithm**. ZANCO Journal of Pure and Applied Sciences, ZJPAS Vol 28, issue 2, s 120-126, 2016
- 3- Gullanar M. Hadi, Nassir H. Salman. **Image Segmentation Based on Single Seed Region Growing Algorithm**. First International Conference on Engineering and Innovative Technology (SU-ICEIT-2016), Erbil, Kurdistan, IRAQ, April 12-14, 2016.

- 4- Gullanar M. Hadi, Nassir H. Salman: **“Medical Image Segmentation Based on Image Histogram and Clustering Technique”**, International Journal of Graphics & Image Processing (IJGIP), Vol 5, issue 1, Feb., 2015
- 5- Bnar M. Ghafour , Nassir H. Salman, and Gullanar M. Hadi: **“ Medical Image Segmentation based on edge detection techniques”**, Journal of Advanced Computer Science and Technology Research, Vol.5 No.1, March 2015
- 6- Gullanar M. Hadi: **“ Medical Image Compression using DCT and DWT Techniques”**, Advances in Image and Video Processing, Vol 2, issue 6, Dec. 2014
- 7- Nassir H. Salman **and** Gullanar M.Hadi: **“Integrated Image Processing Functions using MATLAB GUI”** Journal of Advanced Computer Science and Technology Research. Vol.3 No.1, March 2013
- 8- Gullanar M. Hadi and N. H., SALMAN: **“A Study And Analysis Of Different Edge Detection Techniques”** The Second International workshop on Signal and Image Processing (SIP 2013), Feb., 2013, Bangalore, India.
- 9- Gullanar M.Hadi, H. Chen, R. Q. Cui: **“Microstructure and Optoelectronic Properties of B-Doped nc-Si:H Thin Films Deposited by PECVD with High Hydrogen Dilution “**, Journal of Applied letter Vol. 95, 3961-3967
- 10-Gullanar M. Hadi, Y. H. Zhang, G.Y. Xu, T. M. Wang, R. Q. Cui: **“Effect of phosphorus doping on the structural properties in nc-Si:H thin films”**, Journal of Crystal Growth, Vol. 206, 254-260
- 11-H. Chen, Gullanar M.Hadi: **“Effect of high hydrogen dilution on the optical and electrical properties in B-doped nc-Si:H”**, Journal of Crystal Growth Vol. 266, 91-101
- 12-B. Zhou, R. Q. Cui, Gullanar M.Hadi: **“Mixed phase F-doped SnO<sub>2</sub> film and related properties deposited by ultrasonic spraying Z”**, Journal of Materials Science: Material in Electronics Vol 15, 417
- 13-Z. B. Zhou, R. Q. Cui, Gullanar M.Hadi: **“Schottky Solar Cells with Amorphous Carbon Nitride Thin Films Prepared by Ion Beam Sputtering Technique “** Solar Energy Materials and Solar Cells Vol. 80, 487
- 14-Gullanar M.Hadi and Nassir H. Salman: **“Study of Spectral Signature of Different Target in the Spectral Range (0.45-0.90) micron”**, Al- Mustansyriah Science Magazine, 1995

15-Gullanar M.Hadi, H. S. Awatif , Nassir H. Salman: “Study of Selection Spectral Bands (TM) Effected on Color Space Image Quality Using digital Image Processing System”, Mustansyriah Science Magazine, 1996

### **AUTHORED BOOKS**

1. Discrete Mathematics in Computer Science, 2008, Darwael for publishing and distribution, Amman-Jordan
2. Computer Electronics, 2010, Darwael for publishing and distribution, Amman-Jordan
3. Visual Basic 6.0 and Multimedia, 2011, Darwael for publishing and distribution, Amman-Jordan
4. Java Programming with Solved Problems, 2013, Darwael for publishing and distribution, Amman-Jordan

### **Conferences and courses attended**

- International workshop on Numerical Modeling System (NUMOS 2007), Gent, Belgium 28-30 March 2007.
- International workshop on Signal and Image Processing (SIP 2013), Bangalore, India, 18 - 20 Feb 2013.
- International Conference on Engineering And Innovative Technology (SU-ICEIT-2016), Erbil, Iraq, 12-14 April 2016
- 4th Conference of Almustansyriah University, Baghdad, Iraq 1997

### **Funding and academic awards**

- List any bursaries, scholarships, travel grants or other sources of funding that you were awarded for research projects or to attend meetings or conferences.

## Professional memberships

- Reviewer in ICVISP International Conferences on Vision, Image and Signal Processing since 2017 until now [www.icvisp.org](http://www.icvisp.org)
- Reviewer for Zanko Journal – Salahaddin University, since 2022.
- Reviewer for Iraqi Journal for Computers and Informatics since 2017 until now <http://www.uoitc.edu.iq/ijci/index.php/ijci>

## Professional Social Network Accounts:

- Research Gate: <https://www.researchgate.net/profile/Gullanar-Hadi>
- Google Scholar: <https://scholar.google.com/citations?user=1uXOy7IAAAAJ&hl=en>
- LinkedIn: <https://www.linkedin.com/in/gullanar-hadi-5a6381155/>
- Facebook: [https://www.facebook.com/gullanar.hadi?\\_rdc=2&\\_rdr](https://www.facebook.com/gullanar.hadi?_rdc=2&_rdr)
- Google+: <https://salahaddin-erbil.academia.edu/GullanarHadi>