

- ✓ Algorithms
- ✓ Machine Learning
- ✓ MS Office Word (2000-2016)
- ✓ MS Office Access (2000-2016)
- ✓ MS Office Excel (2000-2016)
- ✓ MS Office Power Point (2000-2016)
- ✓ Data Structures
- ✓ System Analysis
- ✓ Computer Graphics
- ✓ Operating Systems
- ✓ Database
- ✓ Supervising graduating student's projects

Previous positions

- ✓ **Ph.D. student** at Ozyeign Univ-Istanbul from 9/2013-9/2015, **Altinbas univ-Istanbul** from 9/2015-5/2018.
- ✓ **Head of Computer Sc. Dept.** in Basic Education Col./ Diyala Univ. from 19/10/2011 to 1/8/2013.
- ✓ **IT manager** from 15/11/2008 to 1/10/2009 at **Orbit Geological Consultancy, UAE, Abu Dhabi.**
- ✓ **Lecturer** at Computer Sc. Dept. in **Basic Education Col./ Diyala Univ.** from 1/9/2004 -15/11/2008 and 1/10/2009 -19/10/2011.
- ✓ **System analyst** from 7/2000-9/2002 at Computer Sc. Dept. in Basic Education Col. ./ Diyala Univ.
- ✓ **Libya, Al-Baydaa, Computer sc. Teacher, 1995-1999**
- ✓ **Programmer** at **Ba'aquba Technical Inst., 1992-1994**

Publications

1. Optical onboard double decoding/forward performance with long codes for optical routing WJ Mazher, HT Ibrahim, YM Mathboob, ON Ucan, Optical Engineering 58 (2), 027106
2. *Ibrahim, H. T., Mazher, W. J., Ucan, O. N., & Bayat, O. (2018). A grasshopper optimizer approach for feature selection and optimizing SVM parameters utilizing real biomedical data sets. Neural Computing and Applications, 1–10.*

<https://doi.org/10.1007/s00521-018-3414-4> (SCI)

3. Mazher, W. J., Ibrahim, H. T., Ucan, O. N., & Bayat, O. (2018). Drone swarm with free-space optical communication to detect and make deep decisions about physical problems for area surveillance. *Opt. Eng.* 57(3), 036116 (2018), doi: 10.1117/1.OE.57.3.036116. (SCI)
4. Ibrahim, H. T., Mazher, W. J., Ucan, O. N., & Bayat, O. (2017). Feature Selection using Salp Swarm Algorithm for Real Biomedical Datasets. *IJCSNS International Journal of Computer Science and Network Security*, 17(12), 13–20. (ESCI)
5. Studying the main differences between Windows XP & Windows Vista, *Al-Fatih Journal, Diala Univ*, 1/11/2007.
6. (Introducing Windows Vista Security), *Al-Fatih Journal, Diala Univ*. 15/8/2007.
7. Evaluating Internet as Educational Technology and suggestions to develop it – A study its field Arithmetic & Computer Sc. Students, *Diala Journal, Diala Univ*, 2006.
8. Studying Main Differences Between Linux & Windows Operating Systems, *International Journal of Electrical & Computer Sciences IJECS-IJENS Vol:12 No:04*, 2012.
9. Studying Main Differences between Android & Linux Operating Systems, *International Journal of Electrical & Computer Sciences IJECS-IJENS Vol:12 No:05*, 2012.