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# CURRICULUM VITAE

## Khalid Mohammad Jaber

*Computer Science/ Faculty of Science and Information Technology Al-zaytoonah University of Jordan, Amman, Jordan*

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### 1. Personal Data

Date of Birth:     18/11/1983
Nationality:      Jordanian

### 2. Education

- Ph.D., Computer Science, Universiti Sains Malaysia, Penang, Malaysia, February 2011
- M.S., Computer Science, Universiti Sains Malaysia, Penang, Malaysia, June 2007
- B.Sc, Computer Science, Al-Isra University, Amman, Jordan, July 2005

### 3. Ph.D. Dissertation

Adapting and Enhancing Decision Tree-Based Method to Index Large DNA-Protein Sequence Data Using Hybrid Distributed-Shared Memory Programming Model, USM, Penang, Malaysia.

### 4. Employment

*Academic Positions*

- Al-Zaytoonah University of Jordan, Amman, Jordan, Associate Professor, January 2018 - Now

- Al-Zaytoonah University of Jordan, Amman, Jordan, Assistant Professor, Feb 2011 - Jan 2018

### *Administrative Positions*

- Al-Zaytoonah University of Jordan, Amman, Jordan, Director of E-Learning and Open Educational Resources Center, October 2018 - Now
- Al-Zaytoonah University of Jordan, Amman, Jordan, Head of Basic Sciences Department, Oct 2016 - October 2018
- IEEE - Jordan Section, Amman, Jordan, Treasurer, Sep. 2015 - 2020
- Al-Zaytoonah University of Jordan, Amman, Jordan, Head of Basic Sciences Department, Oct 2013 - Oct 2015
- Al-Isra University, Amman, Jordan, Lab technician, Dec 2005 - Sep 2006
- Jordanian Parliament, Office Manager, July 2005 - Dec 2005
- Universiti Sains Malaysia, Research officer, July 2007- Sep 2007
- Universiti Sains Malaysia, administrator of multi-core lab, January 2007- August 2010.

5. **Research Interests**

   My main interest lies in the data representation and the associated algorithms to organize, manage and analyse biological data, which is ever increasing in size. Particular interest is in the development of parallel algorithms to analyse the biological data using data mining and parallel techniques on distributed-shared memory model.

6. **Membership in Scientific Societies and Associations**
   - Senior Member, Institute of Electrical and Electronics Engineers (IEEE), 2010-Now
   - Association for Computing Machinery (ACM), 2011-Now

7. **Honors and Awards**
   - Universiti Sains Malaysia (USM) Fellowship award, (2007-2010)
   - Universiti Sains Malaysia: Postgraduate Research Grant Scheme (USM-RU-PRGS), 12 months (15 April 2010 - 16 April 2011)
   - University Grant, Parallel Indexing Method in Clustering Data in Genomic Database, Research Officer, (2006)
   - Al-Isra University: Network and maintenance training in Tanta University, Egypt, (2004)

8. **Fellowships and Scholarships**
   - Universiti Sains Malaysia (USM) Fellowship award, (2007-2010)

9. **Supervision of Graduate Research**
   - Rami Etaywi, Master, Cloud Computing Adaptiveness within Governments and Enterprises (A Case Study of Educational Institutes in Jordan), (2016/2017)
   - Mossab Ibrahim, Master, Arabic Multi-Document Summarization Model Using Clustering and Features Extraction Based on Parallel Techniques), (2017/2018)

10. **Grants**
    - The Impact of E-Learning on the Development of the Academic Program at Al-Zaytoonah University of Jordan, 07/28/2017-2018, 12 months, 16,470.00 JOD, 14 May 2018.
    - Parallel Cascade Correlation Neural Network For 3D Pattern Recognition Using Multicore Programming Model, 05/21/2016, 18 months, 41,240.00 JOD, 06/06/2016.

11. **Publications**

   - Khalid Mohammad Jaber, Nesreen A. Hamad and Fatima Quiam, A Framework for Query Optimization Algorithms for Biological Data, 5th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING(ICCESEN-2018), 12-16 October 2018, ANTALYA-TURKEY.
   - Khulood Abu Maria, Khalid Mohammad Jaber, and Mossab N. Ibrahim, A New Model for Arabic Multi-Document Text Summarization, International Journal of Innovative Computing, Information and Control (IJICIC), Volume 14, Number 4, August 2018, pp. 14431452, (Scopus).
   - Nesreen A. Hamad, Fatima Quiam and Khalid Mohammad Jaber, Methods and Evaluations of Decision Tree Algorithms on GPUS: an Overview, ICIC Express Letters, Volume 12, Number 7, July 2018, pp. 723729, (Scopus).
   - Khalid Mohammad Jaber, Osama Moh'd Alia and Mohammed Mahmod Shuaib, P-HS-SFM: A Parallel Harmony Search Algorithm for the Reproduction of Experimental Data in the Continuous Microscopic Crowd Dynamic Models, Journal of Experimental and Theoretical Arti_cial Intelligence, 05 Jan 2018,30:2, Pages 235-255, (IF: 1.384).
   - Hassan Mahmoud Al-Zoubi, Khalid Mohammad Jaber, Stylianos Stamatakis, Tubes of finite Chen-type, Korean Mathematical Society, 33 (2018), No. 2, pp. 581590, (Scopus).
   - Khalid Mohammad Jaber, Dyala R. Ibrahim, Asma H. Al-Sanhani and Nesreen A. Hamad, A Framework for Parallel Boyer-Moore-Quick Search Algorithm (P-BM-QS), International Business Information Management Conference (30th IBIMA), 8-9 November 2017, Madrid, Spain, (Scopus).
   - L.Hamadneh, A. Al-Omari, H. Abdel-Razeq, M. Sughayer and Khalid Mohammad Jaber, Correlation between luminal A molecular subtype and the immunohistochemical characteristics among Jordanian breast cancer

patients, EACR-AACR-SIC Special Conference 2017: The Challenges of Optimising Immuno and Targeted Therapies: From Cancer Biology to the Clinic, Florence, Italy, 24 27 June 2017.

- Mossab N. Ibrahim, Khulood Abu Maria and Khalid Mohammad Jaber, A comparative study for Arabic Multi-Document Summarization Systems (AMD-SS), 2017 8th International Conference on Information Technology (ICIT), 17-18 May 2017, Amman, Jordan, (IEEE Xplore and Scopus).

- Khalid Mohammad Jaber, Sokyna M. Al-Qatawneh, P-CC-NN: Parallel Cascade Correlation Neural Network Methods for Pattern Recognition applications using Multicore Techniques, Journal of Theoretical and Applied Information Technology, Vol. 93. No. 1,2016, (ERA and Scopus).

- Khalid Mohammad Jaber, Mohammed Mahmod Shuaib, Randa Maraqa, Osama Moh'd Alia, A Comparative Taxonomy of Parallel Algorithms for Crowd Dynamics Models and their Simulators, International Journal of Soft Computing, Volume: 11, Issue: 6, 427-436, 2016, (Scopus).

- Sokyna M. Al-Qatawneh, Khalid Mohammad Jaber, Parallel Cascade Correlation Neural Network Methods for 3D Facial Recognition: A Preliminary Study, Journal of Computer and Communications, 3, 54-62, 2015.

- Khalid Mohammad Jaber, Rosni Abdullah and Nur'Aini Abdul Rashid. Fast Decision Tree-Based Method to Index Large DNA-Protein Sequence Databases Using Hybrid Distributed-Shared Memory Programming Model. International Journal of Bioinformatics Research and Applications, Volume 10, No. III, pp. 321-340, 1 January, 2014.(Scopus).

- Khalid Mohammad Jaber, Ra'ed M. Al-Khatib, Alireza Taghizadeh and Asef Al-Khateeb. E_cient Extraction Method for Biological Data Using Boyer-Moore Search Algorithm, International Business Information Management Association (IBIMA) 22nd IBIMA Conference, Rome, Italy 13-14 November 2013.(Scopus).

- Khalid Mohammad Jaber. Fast Decision Tree To Index Large DNA-Protein Sequence Datasets, Book (ISBN 978-3-659-25476-5), LAP LAMBERT Academic Publishing, (1 Oct 2012).

- Khalid Mohammad Jaber, Rosni Abdullah and Nur'Aini Abdul Rashid. HDT-HS: A Hybrid Decision Tree/Harmony Search Algorithm for Biological Datasets. 2012 International Conference on Computer and Information Sciences, Volume 1, pp. 341- 345, Kuala Lumpur, Malaysia, 12-14 June 2012, (Scopus).

- Khalid Mohammad Jaber, Rosni Abdullah and Nur'Aini Abdul Rashid. Adapting Decision Tree-Based Method to Index Large DNA-Protein Sequence Datasets. The Research Bulletin of Jordan ACM, Volume II, No. III, September 2011, pp. 57-73.

- Khalid Mohammad Jaber, Rosni Abdullah and Nur'Aini Abdul Rashid. Adapting and Enhancing the Searching Algorithm Based on Decision Tree Indexing for Large DNA-Protein Datasets. The 2011 Conference on Innovations in Computing and Engineering Machinery (CICEM'11)- ACM

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Chapter Conference, Vol. 2, pp. 113-122, Grand Hyatt Amman Hotel, Amman, Jordan, 5-6 September, 2011.

- Khalid Jaber, Rosni Abdullah and Fazilah Othman. Parallel Geometric Hashing Algorithm for Protein Tertiary Structure. International Journal of Computer Science and Network Security, (IJCSNS), Vol. 7 No. 7, pp. 126-129, July 30, 2007.

- Khalid Jaber, Nur'Aini Abdul Rashid and Rosni Abdullah. The Parallel Maximal Cliques Algorithm for Protein Sequence Clustering, American Journal of Applied Sciences, vol. 6, Issue 7, pp. 1368-1372, 2009.(Scopus).

- Khalid Jaber, Rosni Abdullah and Nur'Aini Abdul Rashid. A framework for decision tree-based method to index data from large protein sequence databases, 2010 IEEE EMBS Conference on Biomedical Engineering and Sciences (IECBES 2010), Kuala Lumpur, Malaysia, December, 2010.(Scopus).

- Khalid Jaber, Rosni Abdullah and Nur'Aini Abdul Rashid. Indexing protein sequence/ structure databases using decision tree: A preliminary study, 4th International Symposium on Information Technology 2010 (ITSim 2010), Vol. 2, Kuala Lumpur Convention Center, Kuala Lumpur, Malaysia, pp. 844-849, June, 2010.(Scopus).

- Khalid Jaber, Rosni Abdullah and Nur'Aini Abdul Rashid. A survey of data mining techniques, Symposium of USM Fellowship holders 2009, USM, Penang, Malaysia, pp. 844-849, 2009.