

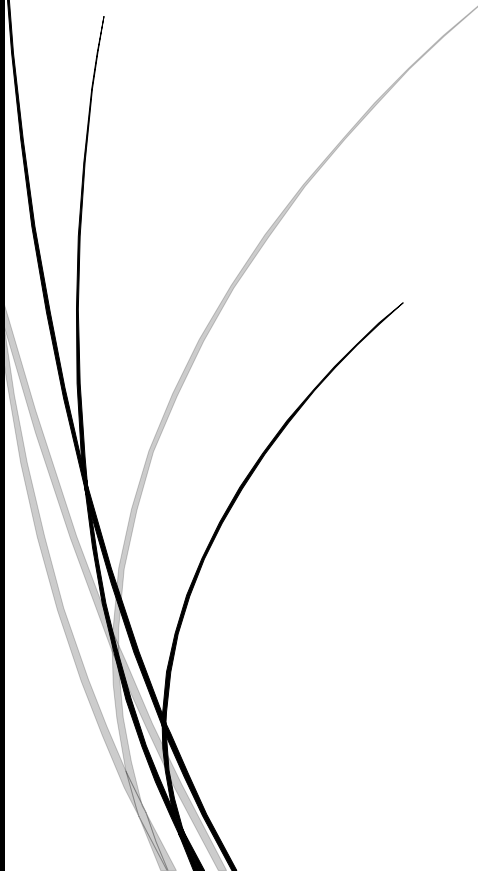
**Professor of  
Computer Science**

# **Mohammed M. Abu Shquier**

Curriculum Vitae

**أ.د محمد محمود أبوشقير**

مساعد رئيس جامعة جرش للشؤون التقنية  
عميد عمادة التعلم الإلكتروني والتعليم عن بعد  
مدير دائرة التنمية والتطوير



## BRIEF

Prof. Dr. Mohammed M. Abu Shquier, the Assistant President of Jerash University, the Dean of E-Learning and Distance Education Deanship, and the Manager of Planning and Development Unit. before, he acted the position of the Dean of the Faculty of Computer Science and Information Technology / Jerash University, he also worked as an Assistant professor at the University of Tabuk, KSA for the past five years. Before that he worked as a head of Computer Science Dept. at Jerash University, Jordan. He also worked for two years as a senior lecturer at the American Degree Program (ADP) in Taylors University (Subang Jaya) / Malaysia. Abu Shquier received his Masters degrees from the school of Computer Science at The University of Science Malaysia in Penang (USM), and he received his Ph.D from the National University of Malaysia in Bangi (UKM). Abu Shquier research focuses on developing Novel Arabic Machine Translation (Rule and Statistical Based). He also interested in conducting research in the areas of Computational Linguistics, Information Retrieval and Arabic Natural Language Processing in general. In addition to that he had conducted good research in the area of Arabic Morphology, Syntactic and Symantic. He has published a number of papers in excellent international journals and conferences. Abu Shquier has more than 10 years of experience in teaching under-graduate and post-graduate students with different majors.

## ACADEMIC EXPERIENCE

الخبرات الأكاديمية - Academic Experience		
الوصف الوظيفي Work Description	الجامعة University	الفترة الزمنية Period
استاذ دكتور / تخصص الذكاء الاصطناعي Full Professor at the Computer Science Department / AI	جامعة جرش Jerash University	Present - 13/9/2021
استاذ مشارك في قسم علوم الحاسوب Associate Professor at the Computer Science Department	جامعة جرش Jerash University	13/9/2021 - 13/9/2016
استاذ مساعد في قسم علوم الحاسوب Assistant Professor at the Computer Science Department	جامعة تبوك University of Tabuk	9/9/2015 - 1/10/2010
استاذ مساعد في قسم علوم الحاسوب Assistant Professor at the Computer Science Department	جامعة جرش Jerash University	30/9/2010 - 13/9/2009
استاذ مساعد في قسم علوم الحاسوب Assistant Professor at the Computer Science Department	جامعة تيلور / الفرع الأمريكي Taylor University	1/9/2009 - 24/8/2007
محاضر في قسم علم الحاسوب Lecturer at the Computer Science Department. / (Part Time)	جامعة العلوم والتكنولوجيا Jordan University of Science and Technology	20/1/2007 - 20/9/2006
محاضر في قسم الحاسوب Lecturer at the Information Systems Department	جامعة جرش Jerash University	30/7/2005 - 1/10/2003

## ADMINISTRATIVE EXPERIENCE

Administrative Experience - الخبرات الإدارية		
الوصف الوظيفي Work Description	الجامعة University	الفترة الزمنية Period
مساعد رئيس الجامعة للشؤون التقنية Assist. President of Jerash University	جامعة جرش Jerash University	Present - 21/6/2019
عميد عمادة التعلم الإلكتروني والتعليم عن بعد Dean of Distance and E-Learning Deanship	جامعة جرش Jerash University	Present - 01/9/2020
مدير مركز التعليم الإلكتروني والمصادر المفتوحة Manager of E-Learning and Open Sources Center	جامعة جرش Jerash University	Present - 21/6/2019
مدير دائرة التنمية والتخطيط Manager of Development & Planning Unit	جامعة جرش Jerash University	Present - 21/6/2019
ق.أ. عميد كلية علوم الحاسوب وتكنولوجيا المعلومات Dean of the Faculty of Computer Science and IT	جامعة جرش Jerash University	25/10/2018 - 13/9/2015
مدير دائرة الخدمات الإلكترونية / مركز الحاسوب Manager of E-Services Unit / Computer Center	جامعة جرش Jerash University	25/11/2017 - 13/10/2016
مستشار وكيل الجامعة للشؤون الأكاديمية Consultant of Vice President for e-Services	جامعة تبوك University of Tabuk	1/10/2011 - 1/10/2010
مدير وحدة التعليم الإلكتروني والتعلم عن بعد Manager of Distance and e-Learning Unit	جامعة تبوك University of Tabuk	9/9/2015 - 1/10/2010
مدير وحدة الخطط والمناهج الدراسية Manager of Curriculum Unit	جامعة تبوك University of Tabuk	9/9/2015 - 18/8/2013
مدير دائرة الخدمات و الموقع الإلكتروني Manager of website and e-Services Unit	جامعة تبوك University of Tabuk	9/9/2015 - 1/11/2010
مدير وحدة الأنشطة العلمية Manager of Academic Activities Unit	جامعة تبوك University of Tabuk	9/9/2015 - 1/9/2013
رئيس مؤتمر WCIS Chair of WCIS Conference	جامعة تبوك University of Tabuk	9/9/2015 - 1/10/2012
رئيس قسم علوم الحاسوب Head of Computer Science Department	جامعة جرش Jerash University	30/9/2010 - 13/9/2009

I have recently developed over 30 applications/portals/platforms including Jerash University official website, official e-learning platforms, official research platforms, Job portal, helpdesk platforms, alumni MVC application, JRS international journal website, MUAJ website, e-correspondence and archiving management system, many oracle-based application, smart applications using flutter, Andriod Studio...

## EDUCATION

تاريخ التخرج Date of Grad	الجامعة Institution	التخصص Major	الدرجة العلمية Degree
2008	جامعة ماليزيا الوطنية National University of Malaysia (UKM)	الذكاء الاصطناعي / معالجة اللغات الطبيعية Computer Science / NLP	دكتوراة PhD
PhD Thesis Title: Word Agreement and Ordering in English-Arabic Machine Translation: A Rule-Based Approach			
2003	جامعة العلوم الماليزية Science University of Malaysia	تكنولوجيا المعلومات Information Technology	ماجستير MSc
2001	جامعة العلوم والتكنولوجيا الاردنية Jordan University of Science and Technology	علوم الحاسوب / الرياضيات التطبيقية Computer Science / Applied Math	بكالوريوس Bachelor

## ACADEMIC RESEARCH

Al-khateeb, A., Shquier, M. M. A. (2021). A New Enhanced Arabic Light Stemmer for IR in Medical Documents. Cmc-Computers Materials & Continua.

Shquier, M. M. A. (2020). Arabic-to-Malay Machine Translation Using Transfer Approach. Computer and Information Science, 13(4), 1-1.

Nahar, K. M., Ottom, M. A., Alshibli, F., & Shquier, M. M. A. (2020). Air Quality Index Using Machine Learning—A Jordan Case Study. Compusoft, 9(9), 3831-3840.

Shquier, M. M. A. (2019, September). Novel Prototype for Handling Arabic Natural Language Processing: Smart Morphological Analyser. In 2019 Second International Conference on Artificial Intelligence for Industries (AI4I), Laguna Hills, California, USA (pp. 1-8). IEEE.

Al-Khatib, R. E. M., Al-Betar, M. A., Awadallah, M. A., Nahar, K. M., Shquier, M. M. A., Manasrah, A. M., & Doumi, A. B. (2019). MGA-TSP: modernised genetic algorithm for the travelling salesman problem. International Journal of Reasoning-based Intelligent Systems, 11(3), 215-226.

Zerrouki, T., Shquier, M. M. A., Balla, A., Bousbia, N., Sakraoui, I., & Boudardara, F. (2019). Adapting espeak to Arabic language: Converting Arabic text to speech language using espeak. International Journal of Reasoning-Based Intelligent Systems, 11(1), 76-89.

Mohammed M. Ali, Mohammed M. Abu Shquier, Afag Slah Eldeen, Mohamed E. Zidan, and Ra'ed M. Al-Khatib. (2020). Novel approach in multilingual and mixed English-Arabic test collection. Int. J. Comput. Sci. Math. 11, 3 (2020), 291–304. <https://doi.org/10.1504/ijcsm.2020.106700>

Shquier, M. A., Atoum, M. S., & Shqeer, O. A. (2017). Arabic to English machine translation. *Proceedings of the New Trends in Information Technology (NTIT)*, 118-124.

Abu Shquier, Mohammed & Alhawiti, Khaled. (2017). Fully automated Arabic to English machine translation system: Transfer-based approach of AE-TBMT. *International Journal of Information and Communication Technology*. 10. 376. 10.1504/IJICT.2017.084341.

Nahar, K. M., Abu Shquier, M., Al-Khatib, W. G., Al-Muhtaseb, H., & Elshafei, M. (2016). Arabic phonemes recognition using hybrid LVQ/HMM model for continuous speech recognition. *International Journal of Speech Technology*, 19(3), 495-508.

Nahar, Khalid & Abu Shquier, Mohammed & Alsmadi, Izzat. (2016). Students performance between classical and online education: A comparative study. *International Journal of Continuing Engineering Education and Life-Long Learning*. 26. 359. 10.1504/IJCEELL.2016.080966.

Shquier, M.M., & Alhawiti, K.M. (2015). Novel Prefix Tri-Literal Word Analyser: Rule-Based Approach. *J. Comput. Sci.*, 11, 627-638.

Atoum, M. S., & Shquier, M. M. A. (2015). A Various Issues in Image Steganography that Using LSB Technique. *International Journal of Computer Networks and Communications Security*.

Shquier, M. M. A., Arabic irregular verbs: inflection and derivation for English-Arabic Machine Translation, *Cybernetics: IMCIC 2014*. March 4 - 7, 2014 ~ Orlando, Florida, USA

The *International Journal of Soft Computing and Software Engineering [JSCSE]*, Vol. 3, No. 3, (2013). Hybrid-Based Approach to Handle Irregular Verb-Subject Agreements in English-Arabic Machine Translation Doi: 10.7321/jscse.v3.n3.39

Shquier, M. M. A. (2013). Computational approach to the derivation and inflection of Arabic irregular verbs in English-Arabic machine translation. *International Journal of Advancements in Computing Technology*, 5(15), 1.

Shqeera, O. M. A., & Shquierb, M. M. A. (2013). A Technique to Enhance the Process of Handling Gender Agreement Requirement in English-Arabic Machine Translation.

Abu Shquier, M., & Abu Shqeer, O. (2012). Words ordering and corresponding verb-subject agreements in English-Arabic machine translation: Hybrid-based approach. *International Journal of Soft Computing And Software Engineering (JSCSE)*, 49-60.

M. M. A. Shquier, M. M. A. Nabhan and T. M. Sembok, "Adopting New Rules in Rule-Based Machine Translation," 2010 12th International Conference on Computer Modelling and Simulation, 2010, pp. 62-67, doi: 10.1109/UKSIM.2010.20.

Shquier, M. A. Mohammed. M Al. Nabhan, and Tengku. Mohammed Sembok. Adopting new rules in rule-based machine translation. In Computer Modelling and Simulation (UKSim). In 2010 12th International Conference on (pp. 62-67).

Shquier, M.M., & Nabhan, M.A. (2010). RULE-BASED APPROACH TO TACKLE AGREEMENT AND WORD- ORDERING IN ENGLISH-ARABIC MACHINE TRANSLATION., European & Mediterranean Conf. Informatics Sys.(EMCIS)

Abu Shquier, M., & Sembok, T. (2008). Word Agreement and ordering in English-Arabic machine translation proceeding of the International Symposium on Information Technology, Aug.

Abu Shquier, M., & Sembok, T. (2007, March). Handling agreement in machine translation from English to Arabic. In 1st International Conference on Digital Communications and Computer Applications (DCCA2007). JUST. PP (pp. 385-379).

## CONFERENCES

عنوان البحث Article Title	المؤلفون Authors	المؤتمر Conference	المنظمون Organizers	السنة Year
Smart Morphological Analyser	Mohammed M. Abu Shquier	Second International Conference on Artificial Intelligence for Industries (AI4I) Laguna Hills CA / USA	University of California, Irvine, UCI	2019
Fully Automated Arabic to English Machine Translation System: Transfer-based Approach of AE-TBMT	Mohammed M. Abu Shquier	Collective Intelligence Conference 2015 Santa Clara CA / USA	University of Michigan	2015
Arabic Irregular Verbs: Inflection and Derivation for English-Arabic Machine Translation	Mohammed M. Abu Shquier	The 5th International Multi-Conference on Complexity, Informatics and Cybernetics: IMCIC ~ Orlando Florida / USA	University of Florida	2014
Hybrid-Based Approach to Handle Irregular Verb-Subject Agreements in English-Arabic Machine Translation	Mohammed M. Abu Shquier	International Conference on Soft computing and Software Engineering 2013 San Francisco. CA / USA	University of San Francisco	2013
Adopting New Rules in Rule-Based Machine Translation	Mohammed M. Abu Shquier	UKSIM 2010 Cambridge University / UK	Cambridge University, UK	2010

## MEMBERSHIPS

العضويات واللجان - Memberships		
الوصف Description	الجهة Institution	الفترة الزمنية Period
عضو اللجنة العليا لاعداد وتنفيذ الخطة الاستراتيجية Strategic Plan Committee Member	جامعة جرش Jerash University	October 2022
عضو المجلس الأعلى للتعليم الالكتروني E-Learning Council Member	جامعة جرش Jerash University	October 2022
رئيس لجنة الاعتماد الخاص لتخصص الذكاء الاصطناعي وعلم البيانات AI QA Committee Chair	هيئة اعتماد مؤسسات التعليم العالي وضمان جودتها AQACHE	February 2022
عضو لجنة اعداد الاطار الوطني للمؤهلات وصياغة واصفاتها JNQF Member	هيئة اعتماد مؤسسات التعليم العالي وضمان جودتها Jerash University	September 2021
عضو لجان فرعية في هيئة الاعتماد RBL, Double Program AQACHE Member	هيئة اعتماد مؤسسات التعليم العالي وضمان جودتها AQACHE	September 2021
عضو لجنة تدريب مدربي التعليم الالكتروني MOHE	وزارة التعليم العالي والبحث العلمي TOT Member	September 2020
عضو لجنة الطوارئ وإدارة المخاطر Emergency Committee Member	جامعة جرش Jerash University	March 2020
عضو لجنة المناهج والخطط الدراسية Curriculum Committee Member	جامعة جرش Jerash University	October 2021
رئيس وعضو لجان عدة على مستوى الجامعة، الكلية، القسم، الدوائر Committee Chair & Member	جامعة جرش Jerash University	October 2021

## TECHNICAL SKILLS



## OTHER POSITIONS

Other Positions - اخرى		
الوصف الوظيفي Work Description	الجامعة University	الفترة الزمنية Period
رئيس جمعية خريجي الجامعات الماليزية في الأردن MUAJ President	جمعية خريجي الجامعات الماليزية NUAJ	Present - 13/8/2022
عضو الهيئة الادارية لجمعية خريجي الجامعات الماليزية Board of Consultants Member	جامعة جرش Jerash University	01/9/2020 13/8/2022 -
مطور ومبرمج ومحلل نظم الكترونية .Developer, Software Eng	جامعة جرش Jerash University	Present - 13/9/2015
رئيس اللجنة التحضيرية لمؤتمر الدراسات الاسيوية ICAS'22 Chair	جمعية خريجي الجامعات الماليزية MUAJ	Present - 21/6/2022
عضو مجلس الجامعة University Council Member	جامعة جرش Jerash University	13/9/2015 25/10/2018 -

## CONTACTS



<https://www.instagram.com/shquier/?hl=en>



<https://www.facebook.com/mabushquier/>



<https://twitter.com/shquier/>



<https://www.linkedin.com/in/mohammed-abu-shquier-60012579/>

<http://www.jpu.edu.jo/jpu/profile.php?id=148>

<https://www.semanticscholar.org/author/Mohammed-M.-Abu-Shquier/3343994>