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## Employment

**Instructional & Learning Technologies**  
Sultan Qaboos University  
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## Research outputs

**Global perspectives and methodological innovations in STEM education: a systematic mapping analysis of engineering design-based teacher training**

Shahat, M. A., Al-Balushi, S. M., Abdullah, S. & Al-Amri, M., Apr 15 2024, In: Arab Gulf Journal of Scientific Research.

**Instructors' Perceptions of Intelligent Tutoring Systems and Their Implications for Studying Computer Programming in Omani Higher Education Institutions**

Al-Shanfari, L., Abdullah, S., Fstnassi, T. & Al-Kharusi, S., Jun 21 2023, In: International Journal of Membrane Science and Technology. 10, 2, p. 947-967 21 p.

**Faculty members' perceptions about the effectiveness of the procedures for applying the appraisal of academic staff at Sultan Qaboos University**

Abdulkareem Abdullah Abdullah, S., Ismail, S. S., Alkharusi, H., Al-Ani, W. & Al-Badi, A., 2023, In: Asian Journal of Social Sciences and Management Studies. 10, 4, p. 121-131

**Semi-Extractive Text Summarization Approach to Extract Research Objective of Academic Literature**

Abdulkareem Abdullah Abdullah, S., Jul 1 2022, In: International Journal of Computing and Digital Systems. 12, 1, p. 665-674 10 p.

**Examining Techniques to Solving Imbalanced Datasets in Educational Data Mining Systems**

Abdulkareem Abdullah Abdullah, S., Jun 30 2022, In: International Journal of Computing. 21, 2, p. 205-213 9 p.

**Using screen-capture technology to authenticate IT online learning and assessment**

Ismail, S. S. & Abdullah, S. A., Jan 1 2022, In: International Journal of Information and Education Technology. 12, 1, p. 71-76 6 p., 1588.

**IPv6 Security Issues: A Systematic Review Following PRISMA Guidelines**

Abdullah, S. A. & Al Ashoor, A. A., 2022, In: Baghdad Science Journal. 19, 6, p. 1430-1444 15 p.

**IPv6 Multicast Vulnerability – An Overview**

Abdulkareem Abdullah Abdullah, S., Jan 23 2021, In: Applied Computing Journal (ACJ).

**An artificial deep neural network for the binary classification of network traffic**

Abdullah, S. A. & Al-Ashoor, A., 2020, In: International Journal of Advanced Computer Science and Applications. 11, 1, p. 402-408 7 p.

**A neuro-fuzzy system to detect IPv6 router alert option DoS packets**

Abdullah, S., 2020, In: International Arab Journal of Information Technology. 17, 1, p. 16-25 10 p.

**A Screen-Capture Technology Based Approach to Performative and Authentic Assessment. Reimagining Teaching to Maximize Student Learning Conference**

Abdulkareem Abdullah Abdullah, S., Ahmed, S. & Hussain, R. M., 2020, *The Center for Excellence in Teaching and Learning*.

**SEUI-64, bits an IPv6 addressing strategy to mitigate reconnaissance attacks**

Abdullah, S. A., Apr 2019, In: Engineering Science and Technology, an International Journal. 22, 2, p. 667-672 6 p.

**Virtual flipped classroom: New teaching model to grant the learners knowledge and motivation**

Ismail, S. S. & Abdulla, S. A., 2019, In: Journal of Technology and Science Education. 9, 2, p. 168-183 16 p.

**TISEFE: Time series evolving fuzzy engine for network traffic classification**

Abdullah, S. A. & AL-Hashmi, A. S., 2018, In: International Journal of Communication Networks and Information Security. 10, 1, p. 116-124 9 p.

**Survey of security issues in IPv4 to IPv6 tunnel transition mechanisms**

Abdulla, S. A., 2017, In: International Journal of Security and Networks. 12, 2, p. 83-102 20 p.

**Intelligent approach for android malware detection**

Abdulla, S. & Altaher, A., Aug 31 2015, In: KSII Transactions on Internet and Information Systems. 9, 8, p. 2964-2983 20 p.

**Educational data mining: An intelligent system to predict student graduation AGPA**

Shana, Z. & Abdulla, S., Jun 1 2015, In: International Review on Computers and Software. 10, 6, p. 593-601 9 p.

**Design and implementation of an intelligent system to predict the student graduation AGPA**

Abdulla, S., 2015, In: Australian Educational Computing. 30, 2

**Employing machine learning algorithms to detect unknown scanning and email worms**

Abdulla, S., Ramadass, S., Altaher, A. & Al-Nassiri, A., Mar 2014, In: International Arab Journal of Information Technology. 11, 2, p. 140-148 9 p.

**An automatic, prompt, and accurate exploit-based method to generate polymorphic worm's signature**

Ramadass, S., Abdulla, S. A. & Altyeb, A. A., 2011, *Proceedings - 2011 4th IEEE International Conference on Broadband Network and Multimedia Technology, IC-BNMT 2011*. p. 37-41 5 p. 6155891. (Proceedings - 2011 4th IEEE International Conference on Broadband Network and Multimedia Technology, IC-BNMT 2011).

**Off-line arabic handwritten word segmentation using rotational invariant segments features**

Abdulla, S., Al-Nassiri, A. & Salam, R. A., Apr 2008, In: International Arab Journal of Information Technology. 5, 2, p. 200-208 9 p.

## **Projects**

**TTotP: Design and Develop Electronic Faculty Appraisal System**

Abdulkareem Abdullah Abdullah, S.

**Stakeholders Perceptions about IPV6 Readiness at Omani Higher Education Institutions**

Al Musawi, A. S., Abdulkareem Abdullah Abdullah, S., Ahmed, S., Varghese, A. & Alghatrifi, I.