

CURRICULUM VITAE

PERSONAL INFORMATION

Name **Amneh A. Al-Mbaideen**

Nationality Jordanian

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EDUCATION

1992-1997 B.Sc. in Electrical Engineering (Communication Engineering). Electrical Engineering Department, Mutah University, Jordan.

1997-2000 M.Sc. in Communications and Electronic Engineering. Electrical Engineering Department, Jordan University of Science and Technology, Jordan.

2006-2011 Phd. in Electrical Engineering (DSP). Department of Electrical Engineering and Electronics, University of Sheffield, United Kingdom.

ACADEMIC EXPERIENCE

2011-Now Acoassociated Professor @ Electrical Engineering Dept, Mutah University, Jordan. [Full Time]

2001-2006 Lecturer @ Electrical Engineering Dept, Mutah University, Jordan. [Full Time]

2000-2001 Lecturer @ Electrical Engineering Dept, Jordan University of science and Technology, Jordan.

1997-1999 Teaching assistant ,Jordan University of science and Technology .

NONE-ACADEMIC EXPERIENCE

1999-2000 Trainee Engineer at Jordan Telecommunications Company .

MEMBERSHIPS

1997--Now Jordan Engineering Association.

HONORS & AWARDS

Jan, 2006 PhD Scholarship sposed by Mutah University. Jordan.

July, 2000 Top MSc Graduate Student in the Electrical Engineering Department, Jordan University of Science and Technology

1992-1997 Top BSc Student in the Electrical Engineering Department, Mutah University.

SERVICE ACTIVITIES

2005-2006 Assistant Dean, Dean assistance office, (Faculty of Engineering, Mutah University)

IMPORTANT PUBLICATIONS

- “Determination of Glucose Concentration from Near-Infrared Spectra using PLSR Coupled with Median Filter“, Volume 4, Number 4, 2018 Pages 196-206 , Jordan Journal of Electrical Engineering (JEE)
- “Improving the Prediction Accuracy of the Independent Component Regression Calibration Model for the Quantitative Analysis of the Near Infrared Spectroscopy “,
- Vol. 34, Issue 1 (30 Jun. 2019), pp.71-97, 27 p. Mu'tah Journal for Research and Studies : Natural and Applied Sciences Series .
- “The application of moving average filter for the quantitative analysis of the NIR spectra “, July 2019 74(7):686-692 , Journal of Analytical Chemistry
- “The application of moving average filter for the quantitative analysis of the NIR spectra” July 2019 74(7):686-692 , Journal of Analytical Chemistry
- “Power Quality Assessment and Analysis for Low Voltage Distribution Networks”, Vol. 4, No 3, Jordan Journal of Electrical Engineering (JEE) , 2018
- “Optimal Length Determination of the Moving Average Filter Using Independent Component Analysis for Power System Applications”. Vol. 11, No. 2 , International Journal of Innovative Computing, Information and Control (ICIC), Tokai University, Japan . 2015
- “Determination of glucose concentration from near-infrared spectra using principle component regression coupled with digital bandpass filter” . IEEE Workshop on , pp 243-248, Signal Processing Systems (SIPS), 2010
- “Frequency Self Deconvolution with Partial Least Square Regression: Application to the Determination of Glucose Concentration from Near Infrared”. Antwerp, Belgiumpp18 - 21. 12th International Conference on Chemometrics in Analytical Chemistry .
- “Determination of glucose concentration from NIR spectra using independent component regression”. Vol. 105, 1, pp 131-135. Chemometrics and Intelligent Laboratory Systems2011
- “Frequency Self Deconvolution in the Quantitative Analysis of NIR Spectra”. Vol 705(1-2): p 135 (13). Analytica ChimicaActa. 2011
- “Coupling Sub band Decomposition and Independent Component Regression for Quantitative NIR Spectroscopy”. Vol 108, 2, pp 112–122. Chemometrics and Intelligent Laboratory Systems.2011
- “Determination of glucose concentration from near- infrared spectra using principle component regression coupled with digital band-pass filter” IEEE Workshop on Signal Processing Systems , pp 243-248 (SIPS), San Francisco, CA, USA. 2010.
- Books (book chapter)

Assay of Glucose Using Near Infrared (NIR) Spectroscopy, in Preedy, Victor R., ed. Dietary Sugars: Chemistry, Analysis, Function and Effects Royal Society of Chemistry, 2012. ISSN 2045-1695,

PROFESSIONAL DEVELOPMENT ACTIVITIES

- Served as a peer reviewer for many international journals, conferences, promotion App./Thesis/ and Funded Researchs.

- Attended Short Training Courses: * On "Modern strategies in teaching methods", at the Academic Development and Quality Assurance Center / Mutah University.
- "Strategic Planning and Innovative Thinking", Sheffield University.
- "Communication Skills and Classroom Interaction", the Academic Development and Quality Assurance Center / Mutah University.
- "Communication Skills for Teaching Purposes", the Academic Development and Quality Assurance Center / Mutah University.
- "Exam Preparation and Evaluation" the Academic Development and Quality Assurance Center / Mutah University.
- Quality Assurance (QA) for the ICDL License/ Jordan