

Date 8/1/2017

EMAD AL-DUJAILI

Personal
Photo

PERSONAL INFORMATION

Title: Professor

Academic Rank: Professor

Date & Place of Birth: 5th Sep. 1949

Nationality: British

Address: Jabber Centre, Amman Jordan

Phone No.: 009626- 4790222 (Ext 282)

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ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
BSc Pharmaceutic al Sciences	Pharmac y	1965 -1970	Baghdad	IRAQ
Master in Hormonal analysis	Steroid Hormon es	1975 -1977	London	UK
PhD in Clinical Chemistry/Me dicine	Steroid Hormon es	1976 -1980	London	UK
PG Certificate in Professional Education	Higher Education	2005-2006	Edinburgh	UK

TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
Sep 2016-present	Dean	MEU	Pharmacy	Jordan
Sep.2015-31 st Aug.2016	Professor	MEU	Pharmacy	Jordan
2000- 2015	Lecturer to Professor	QMU	DNBS Edinburgh	UK

OTHER EXPERIENCE AND EMPLOYMENT

Duration	Rank	Institution	Department/Faculty	Country
2003 – 2005	Project Manager	University of Edinburgh	Cardiovascular Centre	UK
1999 – 2000	Senior research Fellow	University of Edinburgh	Cardiovascular Centre	UK
1993 -1998	Associate Professor	ASU	Pharmacy	Jordan
1988 -1993	Dean	Education Institute	Teaching Hospital	KSA
1984 -1988	Leader Group	Serono Diagnostics	R&D	UK
1981 -1984	Post-doc	London Uni	Endocrinology	UK

PUBLICATIONS

JOURNALS



Author/s (In Order)	Title	Journal	Vol./No.	Publication Date
K.S. Wilson, C.S. Tucker, E.A.S. Al-Dujaili , M.C. Holmes, P.W.F. Hadoke, C. Kenyon, M.A. Denvir	(2016) Early-life glucocorticoids programme behaviour and metabolism in adulthood 1 in zebrafish.	Journal of Endocrinology		2016. In Press
Al-Dujaili, Emad AS ; Munir, Nimrah; Revuelta Iniesta , Raquel	(2016) Effect of vitamin D supplementation on CVD risk factors and exercise performance in healthy subjects; a randomised placebo controlled preliminary study.	Therapeutic Advances in Endocrinology and Metabolism	2016; vol 1–13	DOI: 10.1177/ 2042018816653357
Emad AS Al-Dujaili	(2016) Functional Foods need more Mechanistic Studies (opinion).	<i>EC Nutrition</i>	vol 4.1	(2016): 770-771
Louise C. Evans, Jessica R. Ivy, Caitlin Wyrwoll, Julie A. McNairn, Robert I. Menzies, Thorbjørn H. Christensen, Emad A.S. Al-Dujaili , Christopher J. Kenyon, John J. Mullins, Jonathan R. Seckl, Megan C. Holmes, Matthew A. Bailey	(2016) Conditional Deletion of <i>hsd11b2</i> in the Brain Causes Salt Appetite and hypertension.	Circulation.	2016; 133: 1360-1370.	Downloaded from http://circ.ahajournals.org/ by guest on March 8, 2016. Volume 133, DOI: 10.1161/CIRCULATIONAHA.115.019341
Wilna Oosthuyzen · Theresa S Peltz · Amelia R Howarth · Robert W Jessica R Ivy Hunter · Neeraj Dhaun · Emad A S Al-Dujaili · David J Webb · James W Dear	(2016) Glucocorticoids Induce Nondipping Blood Pressure by Activating the Thiazide-Sensitive .	March 2016 · Hypertension	03/2016; Cotransporter	DOI:10.1161/HYPERTENSIONAHA.115.06977
Emma M. Baxter, J Mulligan, Sarah A. Hall, J bavand, Rupert Palme, Emad Aldujaili , Adroaldo J. Zanella , Cathy M. Dwyer	(2016) Positive and negative gestational handling influences placental traits and mother-offspring behavior in dairy goats.	Physiology & Behavior	157	(2016) 129–138
Emad Al-Dujaili	(2016) Vitamin D; Multi-Potent Hormone.	<i>EC Nutrition</i>	3.4	(2016): 666-670.
Walid Al-Turk and Emad AS Al-Dujaili	(2016) Effect of age, gender and exercise on salivary Dehydroepiandrosterone circadian rhythm profile in human volunteers.	Steroids	2016; vol 106:	19-25.
G Farhat, S Drummond, L Fyfe, G McDougall and EAS Al-Dujaili	(2015) Comparison of the Effects of High versus Low-Polyphenol Dark Chocolate on Body Weight and Biochemical Markers: A Randomized Trial.	<i>EC Nutrition</i> ,	vol 2(3):	354-364.
Emad AS Al-Dujaili.	(2015) “Natural Polyphenols: Potential for Disease Prevention”.	Review Article, <i>EC Nutrition</i>	2.2	(2015): 337-345.
Emad AS Al-Dujaili., et al.	(2015) The Effect of Dark Grape Juice Consumption on Exercise-Induced Oxidative Stress in Healthy Adults Aged 41 to 60 Years”.	<i>EC Nutrition</i>	1.4	(2015): 217-228.

Angela Stockton, **Emad AS Al-Dujaili**, Gordon J McDougall, Isobel Davidson, Sandra Drummond and Laura Wyness (2015) Effect of Pomegranate Extract Consumption on Cardiovascular Disease Risk Factors, Stress Hormones, and Quality of Life in Human Volunteers: An Exploratory Randomised, Double-Blind, Placebo-Controlled Trial". *EC Nutrition* 2.4 (2015): 396-411.

Catherine Tsang, Nacer F Smail, Gordon J McDougall, Suzanna Almoosawi and **Emad AS Al-Dujaili (2015)** Bioavailability and Urinary Excretion of Phenolic-Derived Metabolites after Acute Consumption of Purple Majesty Potato in Humans". *EC Nutrition*, vol 1, issue 3 (2015): 96-105.

Catherine Tsang, Nacer F Smail, Gordon J McDougall, Suzanna Almoosawi and **Emad AS Al-Dujaili (2015)** Bioavailability and Urinary Excretion of Phenolic-Derived Metabolites after Acute Consumption of Purple Majesty Potato in Humans". *EC Nutrition*, vol 1, issue 3 (2015): 96-105.

Katherine A. Finlay, John A. Wilson, Paul Gaston, **Emad A. S. Al-Dujaili** and Ian Power (2015) Post-operative pain management through audio-analgesia: Investigating musical constructs. *Psychology of Music*, vol ; 8th April 2015, page 1– 21. DOI: 10.1177/0305735615577247. pom.sagepub.com

,Dashti Mohammed, Wendy Beattie, Delyth Graham, Christopher J Amanda K Sampson Kenyon, **Emad A S Al-Dujaili**, Anna F Dominiczak (2014) Introgressed chromosome 2 quantitative trait loci restores aldosterone regulation and reduces response to salt in the stroke-prone spontaneously hypertensive rat. *Journal of hypertension* 07/2014; 10.1097/HJH.0000000000000300
Source: PubMed

R [Revuelta-Iniesta](#) and **E A S Al-Dujaili (2014)** Consumption of Green Coffee Reduces Blood Pressure and Body Composition by Influencing 11 β -HSD1 Enzyme Activity in Healthy Individuals: A Pilot Crossover Study Using Green and Black Coffee. *BioMed Research International* (Impact Factor: 2.71). 01/2014; 2014:482704.
DOI: 10.1155/2014/482704

Grace Farhat, Sandra Drummond, Lorna Fyfe, **E A S Al-Dujaili (2014)** Dark Chocolate: An obesity paradox or a culprit for weight gain? *Phytotherapy Research*, Wiley online Library, DOI: 10.1002/ptr.5062 [Dark Chocolate: An Obesity Paradox or a Culprit for Weight Gain?](#) *Phytotherapy Research*, 28 (6). pp. 791-797. ISSN 0951-418X

Husni A Twaij and **Emad A S Al-Dujaili (2014)**, "Evaluation of the Anti-Diabetic and Anti-Ulcer Properties of Some Jordanian and Iraqi Medicinal Plants; a Screening Study," *JMED Research*, Vol. 2014. (2014), Article ID 539605, DOI: 10.5171/2014.539605

Kathryn S Wilson, Dawn E.W. Livingstone, **Emad A.S. Al-Dujaili**, John J Mullins, Patrick W.F. Hadoke, Christopher J Kenyon, and Martin A Denvir (2014) Physiological roles of glucocorticoids during early embryonic development of the zebrafish (*Danio Rerio*). *The Journal of Physiology*, (Impact Factor: 4.38). 10/2013;

DOI:10.1113/jphysiol.2013.256826

Miriam J. Law Smith, Denis K. Deady , Martin A. Sharp, **Emad A.S. Al-Dujaili (2013)** Sex-role orientation in men is related to salivary testosterone levels. Journal of Behavioural and Brain Science. In Press.

Gray C, **Al-Dujaili EA**, Sparrow AJ, Gardiner SM, Craigon J, et al. (2013) Excess Maternal Salt Intake Produces Sex-Specific Hypertension in Offspring: Putative Roles for Kidney and Gastrointestinal Sodium Handling. PLoS ONE 8(8): e72682. doi:10.1371/journal.pone.0072682

Rowan M Tinlin, Christopher D Watkins, Lisa L M Welling, Lisa M DeBruine, **Emad A S Al-Dujaili**, Benedict C Jones (2013) Perceived facial adiposity conveys information about women's health. British Journal of Psychology, 05/2013; 104(2):235-248. DOI:10.1111/j.2044-8295.2012.02117.

Benedict C. Jones, Corey L. Fincher, Lisa L.M. Welling, Anthony C. Little, David R. Feinberg, Christopher D. Watkins, **Emad A.S. Al-Dujaili**, Lisa M. DeBruine (2013) Salivary cortisol and pathogen disgust predict men's preferences for feminine shape cues in women's faces. Biological Psychology, vol 92: 233-240

Catherine Tsang, Nacer F. Smail, S. Almoosawi, I. Davidson and **Emad A. S. Al-Dujaili (2012)** *Intake of polyphenol-rich pomegranate pure juice influences urinary glucocorticoids, blood pressure and homeostasis model assessment of insulin resistance in human volunteers . Journal of Nutritional Science / Volume 1 / August 2012 , e9 (9 pages).* DOI: <http://dx.doi.org/10.1017/jns.2012.10>

S. Almoosawi, C. Tsang, L. M. Ostertag, L. Fyfe and **E. A. S. Al-Dujaili (2012)** *Differential effect of polyphenol-rich dark chocolate on biomarkers of glucose metabolism and cardiovascular risk factors in healthy, overweight and obese subjects: a randomized clinical trial.* Food and Function. Cite this: DOI: 10.1039/c2fo30060e. This journal is of The Royal Society of Chemistry 2012

Emad AS Al-Dujaili, Hussam HS Baghdadi, Forbes Howie, J Ian Mason (2012) Validation and application of a highly specific and sensitive ELISA for the estimation of cortisone in saliva, urine and *in vitro* cell-culture media by using a novel antibody. **Steroids**, vol 77: 703-709.

Blair T Crewther, **Emad Al-Dujaili**, Nacer F Smail, Salsitza Anastasova, Liam P Kilduff, Christian J Cook (2012) Monitoring salivary testosterone and cortisol concentrations across an international sports competition: Data comparison using two enzyme immunoassays and two sample preparations. Clinical biochemistry 11/2012;

Al-Dujaili, Emad A S and Kenyon, C J and Nicol, M R and Mason, J I (2011) *Liquorice and glycyrrhetic acid increase DHEA and deoxycorticosterone levels in vivo and in vitro by inhibiting adrenal SULT2A1 activity.* **Molecular and Cellular Endocrinology** vol. 336: 102-109. ISSN 03037207

F.R. Moore, **E.A.S. Al Dujaili**, R.E. Cornwell, M.J. Law Smith, J.F. Lawson, M. Sharp, D.I. Perrett (2011) [Cues to sex- and stress-hormones in the human male face: Functions of glucocorticoids in the immunocompetence handicap hypothesis.](#) **Hormones and Behaviour** vol. 60(3): Pages 269-274

Moore, F. R., Cornwell, R. E., Law Smith, M. J., **Al Dujaili, E. A. S.**, Sharp, M., Perrett, D. (2011) Tests of the stress-linked immunocompetence handicap hypothesis in human male faces. *Proc. Roy. Soc. B.* 278, 774-780.

Bailey, M A and Craigie, E and Livingstone, D E W and Kotelevtsev, K V and **Al-Dujaili, Emad** and Kenyon, C J and Mullins, J J (2011) *Hsd11b2 haploinsufficiency in mice causes salt sensitivity of blood pressure. Hypertension* , 57 (3). pp. 515-520. ISSN 0194911X

Almoosawi, Suzana and McDougall, JG and Fyfe, Lorna and **Al-Dujaili, Emad A S** (2010) [Investigating the inhibitory activity of green coffee and cacao bean extracts on pancreatic lipase.](#) *Nutrition Bulletin* , 35 (3). pp. 207-212. ISSN 1471-9827

Almoosawi, Suzana and Fyfe, Lorna and Ho, Clement and **Al-Dujaili, Emad A S** (2010) [The effect of polyphenol-rich dark chocolate on fasting capillary whole blood glucose, total cholesterol, blood pressure and glucocorticoids in healthy overweight and obese subjects.](#) *British Journal of Nutrition* vol. 103(6): 842-850. ISSN 0007-1145

Dunbar, D. R. and Khaled, H. and Evans, L. C. and **Al-Dujaili, Emad A S** and Mullins, and Mullins, J J and Kenyon, CJ and Bailey, MA (2009) [Transcriptional and physiological responses to chronic ACTH treatment by the mouse kidney.](#) *Physiological Genomics* . ISSN 1094-8341

Al-Dujaili, EAS, LJ Mullins, Bailey MA, Kenyon CJ. (2009) Development of a highly sensitive ELISA for aldosterone in mouse urine: validation in physiological and pathophysiological states of aldosterone excess and depletion. *Steroids*, vol 74: 456-462.

Emad A S Al-Dujaili, Linda J Mullins, MA Bailey, R Andrew, CJ Kenyon (2009) Physiological and pathophysiological applications of sensitive ELISA methods for urinary deoxycorticosterone and corticosterone in rodents. *Steroids*, Vol 74: 938-944.

Linda J. Mullins, Audrey Pete, Nicola Wrobel, Judith R. McNeilly, **Emad A. S. Al-Dujaili**, David G. Brownstein, John J. Mullins, and Christopher J. Kenyon (2009) *Cyp11b1 Null Mouse, a Model of Congenital Adrenal Hyperplasia.* *J. Biol. Chem.*, Vol. 284, Issue 6, 3925-3934.

, **BC Jones**, **LM DeBruine**, **FG Smith**, **DR Feinberg**, **AC Little** & **EAS Al-Dujaili** **LLM Welling** (2008). Men report stronger attraction to femininity in women's faces when their testosterone levels are high. *Hormones and Behavior*, **54**(5): 703-708

Michailidou, Z, Carter R N, Brownstein, D G, Owen, **Al-Dujaili, E A S**, Ross, Maraki, I, Newton, K, Holmes, M C, Seckl, J R, Morton, N M, Kenyon, C J, and Chapman K E (2008) Glucocorticoid receptor haploinsufficiency causes hypertension and attenuates hypothalamic-pituitary-adrenal axis and blood pressure adaptations to high-fat diet. *FASEB J.* vol 22: 3896-3907

CA Conway BC Jones, LM DeBruine, LLM Welling, MJ Law Smith, DI Perrett, M Sharp & **EAS Al-Dujaili** (2007). Salience of emotional displays of danger and contagion in faces is enhanced when progesterone levels are raised. *Hormones and Behavior*, **51**(2): **202-206**

Welling, L. L. M., Jones, B. C., DeBruine, L. M., Conway, C. A. Feinberg, D. R., Sharp, M. & **Al-Dujaili, E. A. S.** (2007). Raised salivary testosterone in women is associated with increased attraction to masculine faces. *Hormones and Behavior*, **52**, 156-161.

Kirkwood L, **Al-Dujaili EAS**. and Drummond S. (2007) Investigating the effects on the blood lipid profiles and insulin levels in overweight women following an energy reduced, low-fat, high carbohydrate, sugar containing diet. *Int J Food Sciences & Nutrition*, vol 58, issue 5, 383-397

Al-Dujaili EAS. (2006) Development and validation of a Simple and Direct ELISA method for the determination of conjugated (glucuronide) and non-conjugated Testosterone excretion in urine. ***Clinica Chimica Acta***. Vol 364: Feb issue 1-2, 172-179.

Deady DK, Law Smith MJ, Sharp MA, **Al-Dujaili EAS** (2006) Maternal personality and reproductive ambition in women is associated with salivary testosterone levels. ***Biological Psychology***; vol 71: 29-32.

Al-Dujaili E.A.S, Denyer M, Milne C, Philo R, Pritchard J, Allen,A. (1988) Serozyme: a manual non-isotopic immunoassay system; overview & new developments, ***Proceedings of NEQAS meeting***, Cardiff, page 1-8.

Crichton D, Grattage L, McDonald A, Corrie JET, Steel CM, Hubbard AL, **Al-Dujaili EAS**, Edwards CRW (1985) The production and assessment of monoclonal antibodies to cortisol. ***Steroids*** 45 (6): 503-517.

Hindawi RK, **Al-Dujaili EAS**, Padfield PL.(1985) The role of prostaglandins in aldosterone and corticosterone secretion by isolated perfused rat zona glomerulosa cells. ***Prostaglandins Leukot Med.*** Nov;20(2):121-128

Atherden,S.M., Corrie,J.E.T., Jones,D.B., **Al-Dujaili, E.A.S.** and Edwards, C.R.W. (1985) Development and application of a direct radioimmunoassay for aldosterone in saliva: ***Steroids***; **46**, 845-855.

Al-Dujaili EAS, Hubbard AL, van Heyningen V, Edwards CRW (1984) Production of high affinity monoclonal antibodies to Deoxycorticosterone. ***Journal of Steroid Biochemistry***, 20: 849-852.

Frier BM, **Al-Dujaili EA**, Corral RJ, Pritchard JL, Edwards CR. (1984) Autonomic neural control mechanisms and the release of adrenal steroids after hypoglycaemia in man. ***Horm Metab Res.*** 1984 Dec;16 Suppl 1:138-41

Duncan FM, Martin VI, Williams BC, **Al-Dujaili EAS**, Edwards CRW (1983) Development and optimisation of a radioimmunoassay for plasma captopril. ***Clinica Chimica Acta***, **131**: 295-303.

Kennedy HJ, **Al-Dujaili EA**, Edwards CR, Truelove SC (1983) Water and electrolyte balance in subjects with a permanent ileostomy. ***Gut.*** 1983 Aug;24(8):702-705.

Al-Dujaili EAS, Williams BC, Edwards CRW, Salacinski P, Lowry PJ (1982) Human gamma-melanotrophin precursor potentiates corticotrophin-induced adrenal steroidogenesis by stimulating messenger RNA synthesis. ***Biochemical Journal***, 204: 301-05.

Perry LA, **Al-Dujaili EAS**, Edwards CRW (1982) A direct radioimmunoassay for 11-deoxycortisol. ***Steroids***, 39; 115-128.

Al-Dujaili E.A.S, Boscaro M, Edwards CRW (1982) An in vitro stimulatory effect of indolamines on aldosterone biosynthesis in the rat: ***J. Steroid Biochemistry***; **17**, 351-355.

Al-Dujaili E.A.S., Hope J, Estivariz FE, Lowry PJ Edwards CRW (1981) Circulating human pituitary pro-gamma-melanotropin enhances the adrenal response to ACTH: ***Nature***; **291**, 156-159.

Edwards CRW, Yeo T, Delitala G, **Al-Dujaili EAS**, Boscaro M, Besser GM (1981) In vitro studies on the effects of ranitidine on isolated anterior pituitary and adrenal cells. **Scandinavian Journal of Gastroenterology**, 16 (suppl 69): 75-79.

Huston G, Martin VI, **Al-Dujaili EA**, Edwards CR. (1981) Evaluation of the mineralocorticoid activity of 18-hydroxycorticosterone. **Clin Sci (Lond)**. 1981 Aug;61(2):201-206.

Boscaro M, **Al-Dujaili EAS**, Edwards CRW (1981) Effects of two different angiotensin II antagonists on aldosterone secretion by isolated perfused rat zona glomerosa cells. **Endocrinology**, 108: 2381-84.

Al-Dujaili, E.A.S., Williams BC, Edwards CRW (1981) The development and application of a direct radioimmunoassay for corticosterone: **Steroids**; **37**, 157-176.

Al-Dujaili, E.A.S, Edwards CRW (1981) Development and application of a simple radioimmunoassay for urinary aldosterone: **Clinica Chimica Acta**; **116**, 277-287.

Al-Dujaili E.A.S, Edwards CRW (1981) Optimisation of a direct radioimmunoassay for plasma aldosterone: **J. Steroid Biochemistry**; **14**, 481-487.

Edwards CRW, **Al-Dujaili EAS**, Boscaro M, Quyyumi S, Miall PA, Rees LH (1980) In vivo and in vitro studies on the effect of metoclopramide on aldosterone secretion. **Clinical Endocrinology**, 14: 45-50.

Huston GJ, **Al-Dujaili EAS** (1979) Comparison of some extra-renal effects of Spironolactone and Canrenone. **British journal of clinical pharmacology** 7(4):385-392.

Al-Dujaili, EAS, Forrest, GC, Edwards, CRW, Landon J (1979) Evaluation and application of magnetizable charcoal for separation in radioimmunoassays: **Clinical Chemistry**; **25**, 1402-1405.

Al-Dujaili, EAS, Edwards, CRW (1978) The development and application of a direct radioimmunoassay for plasma aldosterone using ¹²⁵I- labelled ligand; comparison of three methods: **J.Clin.Endocrinology Metab.** **46**, 105-113.

Edwards CRW, Miall PA, Hanker JP, Thorner MO, **Al-Dujaili EAS**, Besser GM (1975) Inhibition of the plasma aldosterone response to frusemide by bromocriptine. **Lancet**, 2:903-905.

CONFERENCES

Date	Author/s (In Order)	Title	Conference	Country
2000		5 th ACERO symposium, July 2002, Aberdeen, Scotland		
2003		Annual Scientific Meeting of the Psychobiology section of the British Psychological Society.		
2004		The American Endocrine Society's 86 th Annual Meeting, June, 2004.		
2004		5 th International conference on Nutrition and fitness, June, 2004, Athens, Gr		
2005		196 th British Endocrine Society Meeting, Nov. 2005, London		
2006		ECE Meeting, Glasgow, April, 2006		
2007		Society for Endocrinology BES, March 2007, Birmingham, UK.		

2008	Society for Endocrinology BES 2008, April 7 th -10 th . Harrogate, UK
2008	10 th ECE Endocrinology Conference, May 2008, Berlin, Germany
2009	Society for Endocrinology BES, March, 2009. Harrogate, UK
2009	11 th ECE Endocrinology Conference, May 2009, Istanbul, Turkey
2009	4 th International ICPH conference, Harrogate, Dec. 2009
2010	Society for Endocrinology BES, March, 2010. Manchester, UK
2010	Adrenal Cortex Meeting and Endo 2010 Conference, San Diego, USA
2011	Society for Endocrinology BES, March, 2011. Birmingham, UK
2011	5 th International ICPH conference, Barcelona, Spain Oct. 2011
2012	Annual Society for Endocrinology BES conference, Harrogate, March,
2012	
2013	Annual Society for Endocrinology BES conference, Harrogate, March,
2013	
2013	IUNS 20 th International Congress of Nutrition, 15-20 Sep. 2013, Granada, Spain.
2014	Annual Society for Endocrinology BES conference, Liverpool, March, 2013
2014	41 st Congress of Brazilian Veterinary Society, Gramado, Aug. 2014, Brazil.
2015	BES Annual Conference, 3-6 Nov. 2015, Edinburgh, UK

BOOKS

Author/s (In Order)	Title	Publisher	Edition	Date
Suzana Almoosawi and Emad A S Al-Dujaili (2013)	Chapter 15: Polyphenol-rich cocoa and chocolate: Potential role in the prevention of diabetes. In CHOCOLATE IN HEALTH AND NUTRITION; RR Watson & S Zibadi (Eds), Springer, USA. Volume 7: pages 327-339; ISBN: 978-1-61779-802-3 (Print) 978-1-61779-803-0 (Online)			
Emad A S Al-Dujaili , Catherine Tsang and Suzana Al Moosawi (2013)	Chapter 25: Polyphenol-Rich Dark Chocolate in Treatment of Diabetes Mellitus Risk Factors. In CHOCOLATE IN HEALTH AND NUTRITION; RR Watson & S Zibadi (Eds), Springer, USA. Volume 7: pages 341-353 ; ISBN: 978-1-61779-802-3 (Print) 978-1-61779-803-0 (Online)			
E.A.S. Al-Dujaili and M.A. Sharp (2012).	Female Salivary Testosterone: Measurement, Challenges and Applications, Steroids - From Physiology to Clinical Medicine, Sergej M. Ostojic (Ed.), ISBN: 978-953-51-0857-3, InTech, Available from: http://www.intechopen.com/books/steroids-from-physiology-to-clinical-medicine/female-salivary-testosterone-measurement-challenges-and-applications (online)			
Al-Dujaili E.A.S , Denyer M, Milne C, Philo R, Pritchard J, Allen,A. (1988)	Serozyme: a manual non-isotopic immunoassay system: in Immunometric assays; overview & new developments, Proceedings of NEQAS meeting, Cardiff, page 1-8.			

Edwards CRW, **Al-Dujaili EAS**, Williams BC (1983) Novel control mechanisms of

aldosterone secretion. In: Mineralocorticoids and Hypertension.
W Kauffmann et al (eds) Springer-Verlag, Berlin, Heidelberg, pp29-40.

Drury, P.L., **Al-Dujaili, E.A.S.** and Edwards,C.R.W. (1982) The renin-angiotensin-aldosterone system: in recent advances in Endocrinology and Metabolism, by O'Riordan,J.L.H.(Ed), Churchill Livingstone, London, p 157-186.

Lowry, P.J., Estivariz, F.E. and **Al-Dujaili, E.A.S.** (1982) Biological control of adrenal function by N-Terminal Pro-Opiocortin peptides: in Neuroendocrinology of Vasopressin, Corticoliberin and Opiomelanocortins, by Baertschi, A.J. and Dreifuss, J.J.(Eds), Academic press, London, page 223-230.

Edwards CRW, **Al-Dujaili EAS**, Boscaro M, Gow I, Williams BC (1982) Peptidergic and monoaminergic regulation of aldosterone secretion. In: Endocrinology of Hypertension: Proceedings of the Sero Symposia, Vol 50. F Mantero, EG Biglieri, CRW Edwards (eds) Acadmic Press, London, pp11-18.

Edwards CRW, Drury P, **Al-Dujaili EAS**, Duncan FM, Martin VI, Davies JRE, Butler PC, Shaw TRD (1982) Studies on the haemodynamics and pharmaco-kinetics of captopril in the treatment of drug resistant hypertension and congestive cardiac failure. Symposium on Renal Disease, Royal College of Physicians of Edinburgh, pp79-90.

MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

Member of the UK Society for Endocrinology, National:1981- present
Member of the New York Academy of Sciences, International:1982-1986
Member of the European Endocrine Society, International:1999-2005
Member of Association of Clinical Biochemists, National:1977-1989
Member of Steroid Special Group, National:1999- present
Member of British Drugs for Sport Monitoring team, National:2000-2007
Member of The Science Advisory Board, UK: 2004- present

UNIVERSITY COMMITTEES

Committee Scientific Research

Committee Strategic Planning

WORKSHOPS ATTENDED

- 1980 Use of Radio-isotopes in Clinical Biochemistry Laboratory and Diagnostics, St. Bartholomew's Medical School, London.
- 1981 Radio-active safety, University of London.
- 1983 Basics of computing, University of Edinburgh.
- 1986 Management skills workshops, Serono Diagnostics U.K.
- 1987 Various courses in Management skills and Human Resources, Allied Medical Enterprises, London
- 1994 Introduction to Molecular Biology & Biotechnology techniques, University of Jordan, Amman, Jordan.
- 2001 Short Course in Learning and Teaching, Centre for Academic Practice, Queen Margaret University College
- 2003 Network Technologies, Centre for Academic Practice, QMU, Edinburgh
- 2004 Education in Action, Centre for Academic Practice, Queen Margaret University College.
- 2004 Action Research workshop, Queen Margaret University College, Edinburgh
- 2005 Curriculum Development, Centre for Academic Practice, Queen Margaret University College.
- 2005 Advanced SPSS for windows workshop, QMU, Edinburgh.
- 2006 Leadership, Resource Management and Reference Manager, QMU, Edinburgh
- 2007 Turnitin software and other related CAP workshops, QMU, Edinburgh
- 2008 Health and Safety and risk assessment, QMU, Edinburgh
- 2009 Online Assessment methods, QMU, Edinburgh.
- 2010 Multiple activity curriculum modules for Medical courses, QMU, Edinburgh
- 2011 Smart board technology use and applications, QMU, Edinburgh.
- 2012 Laboratory Health safety for biomedical Research Labs update, Faculty of Medicine, University of Edinburgh, UK.

WORKSHOPS OFFERED

1. Established a special interest group: Endocrine biomarkers and Functional foods based at QMU (committee members from QMU, Cambridge MRC Nutrition Unit and Abertay University) to enhance knowledge in Functional foods in Health and disease, March 2012.
2. Organizer and Keynote Speaker, Symposium on Polyphenols, hormones and Functional foods: Polyphenols, Functional Foods and hormones in health and disease. Feb. 2014, Edinburgh.

RESEARCH INTERESTS

i. Nutraceuticals: Plant polyphenols and Antioxidants in the prevention of contemporary disease: Chemistry, Bioavailability and Actions)Hypertension, Obesity, Diabetes Mellitus type 2, Metabolic syndrome and CVD)

Epidemiological studies suggest that diets high in polyphenols may have a protective effect against diseases caused by oxidative stress such as cancer and cardiovascular disease. There is also now growing evidence that polyphenols may play a critical role in the prevention of some common diseases such as hypertension, diabetes and obesity. Polyphenols have a very diverse and complex chemical structure and can be found in a variety of plant sources and food products.

Examples of polyphenols and Antioxidants rich food to be investigated:

- a) Natural Fruit juices (Grape, Cranberry, Pomgranate)
- b) Polyphenol products (Resveratrol, Green coffee bean extract, Grape seed extract, Green Coffee)
- c) Nuts rich in mineral antioxidants (Brazil, Almond)
- d) Other sources (Dark chocolate, Green tea, fruits, black raison)

The Biomarkers involved in addition to the measurement of blood pressure and body composition are the following:

1. Bioavailability of polyphenols in biological fluids
2. Bioavailability of Selenium and Magnesium
3. Effect on blood glucose and plasma lipids (Total Cholesterol, TAG)
4. Salivary and urine Cortisol/Cortisone ratio.
5. Effect on Satiety and energy intake, quality of life and Well being.
6. Effect of antioxidants on oxidative stress during exercise.

ii. Effect of Diet and Exercise on the production and secretion of Steroid hormones

Establishing normal ranges for urinary Androgenic Anabolic Steroids:

- a) Testosterone, Nandrolone and their metabolites
- b) Investigating the effect of different types of exercise on the secretion of Testosterone and Nandrolone
- c) Investigating the effects of varying the composition of diet on urinary Steroid hormones secretion.

iii. Measurement of Steroid hormones in biological fluids (Saliva, urine and plasma)

- a) Development, Validation and Application Of ELISA methods for the estimation of Glucocorticoids and Mineralocorticoids in Biological fluids (Serum, Urine, Saliva, tissue and in vitro culture media)
- b) Validity of the different methods of collecting saliva to accurately measure Steroid hormones.
- c) Correlation of salivary steroid hormone levels with those in plasma samples collected under different physiological and biochemical situations(e.g. daily rhythm, gender effect and stress-induced)

LANGUAGES

Arabic and English

OTHER COMMUNITY ACTIVITIES

- i. Invited Lecturer: General Discussion on Diagnostic applications of Antibodies Molecular Biology & Biotechnology techniques Congress, University of Jordan, Amman, Jordan, 1997
- ii. Invited Seminar: Steroid Abuse (Nandrolone, Testosterone and their precursor in human subjects; their abuse and side effects), University of Edinburgh, Steroid research group, 2001, repeated and updated in 2002 and 2003
- iii. Invited speaker, Community Education. Special seminars: Diet, Exercise and Testosterone in Women in women (I), QMUC, 2005
- iv. Invited speaker, Special seminars: Diet, Exercise and Testosterone in Women in women (II), QMUC, 2007
- v. Keynote Seminar at large Community meeting: Potential Health Benefits of Pomegranate; Science or fiction, QMU, Oct. 2011

AWARDS RECEIVED

- i. Invited speaker: MRC Unit at The Ridgeway, Mill Hill, London (Role of POMC peptides in the stimulation of Adrenal Steroidogenesis). 1981

- ii. Invited Keynote speaker: Validation and Application of Aldosterone Immunoassay methods, NIH, Bethesda, 1982
- iii. Invited Keynote speaker and Invited Professor Medal: Department of Medicine, University of Michigan, Ohio, USA (Control mechanisms of Aldosterone secretion and Hypertension). 1983
- iv. Transplant Symposium: Training and Educating management of Nurses and AHPs for Saudi Hospitals and community Abha Uni/King Faisal Hospital 1990.
- v. Invited Lecturer: Molecular Biology & Biotechnology techniques Congress, University of Jordan, Amman, Jordan (Diagnostic applications of Antibodies). 1997
- vi. Invited Seminar: Research Strategy at DNBS, QMU. Molecular Nutrition group, The Rowett Institute, University of Aberdeen, 2009.
- vii. QMU REF accepted outputs in the QMU submission to REF 2014 for presentation to UK Universities grading system.
- viii. Organizer and Keynote Speaker, Symposium on Polyphenols, hormones and Functional foods: Polyphenols, Functional Foods and hormones in health and disease. Feb. 2014, Edinburgh.
- ix. Keynote speaker and Organizer, 41st CONBRAVET, Gramado, Brazil: Physiological Indicators of Stress and Welfare in humans and Animals, and Steroid Hormones Workshop, Department Of Medicine, University of Sao Paulo, Aug. 2014, Brazil.

GRADUATE STUDENTS SUPERVISION

Student Name	Thesis Title
i. Queen Margaret University, Edinburgh	
1. Name of student: Suzana Almoosawi Role: Principal Supervisor, Status: Awarded PhD degree in July 2009	
2. Name of student: Grace Farhat, Role: Director of studies/ Principal Supervisor Status: started Aug. 2011. Awarded PhD degree in Sep. 2014	
3. Name of student: Angela Stockton, Role: Director of studies/ Principal Supervisor, Status: started Oct. 2011(pat-time), projected to finish July 2017	
4. Name of student: Sally Findley, Second Supervisor Status: started Jan. 2012	
ii. University of Edinburgh	
1. Name of student: Martin Sharp, Role: Second Supervisor Status: Awarded PhD degree in July 05	
2. Name of student: Katherine Finlay, Role: Second Supervisor Status: Awarded PhD degree in July 09	
3. Name of student: Hussam Baghdadi, Role: Second Supervisor Status: Awarded PhD degree in July 2010	
4. Several PhD student at QMRI, Little France, University of Edinburgh Role: Secondary Supervisor. Some awarded and others in June 2016	
iii. Master students:	
More than 30 Master students have completed their research and degrees under my supervision in both Universities (QMU and Edinburgh). The topic included all aspects of my research interests stated above.	

ACADEMIC REFERENCES

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2) Professor Gary G Duthie

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3) Professor J Ian Mason PhD, CSci, FRCPath

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4) Professor Sir Christopher RW Edwards

Former Principal, Imperial College Medical School,
Imperial College of Science, Technology and Medicine.
London, UK

5) Dr Lynne Flynn

Head of Division of Dietetics, Nutrition & Biological Sciences, Podiatry
and Physical Therapy, Queen Margaret University, Edinburgh, UK
Email; lflynn@qmu.ac.uk