

JALE YUZUGULEN

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Date of Birth: 29/10/1987

Nationality: Cypriot

Work Address: Eastern Mediterranean University, Faculty of Pharmacy, Famagusta.

Education

2010 – 2014	Vascular Pharmacology, PhD William Harvey Research Institute. Queen Mary, University of London.
2008 – 2009	Biomedicine, Master of Research (MRes) University College London, Institute of Child Health
2006 – 2008	Biochemistry, BSc King`s College London
2005 – 2006	Science and Technology, Foundation year of the BSc (Hons) University of Wolverhampton

Publications

Journal Publications (Indexes SCI & SCIE)

1. Ghalehbandi S, **Yuzugulen J**, Pranjol MZI, Pourgholami MH. (2023) The role of VEGF in cancer-induced angiogenesis and research progress of drugs targeting VEGF. *Eur J Pharmacol.* Mar 9:175586. doi: 10.1016/j.ejphar.2023.175586.
2. Ileiwat ZE, Tabish TA, Zinovkin DA, **Yuzugulen J**, Arghiani N, Pranjol MZI. (2022) The mechanistic immunosuppressive role of the tumour vasculature and potential nanoparticle-mediated therapeutic strategies. *Front Immunol.* 15;13:976677. doi: 10.3389/fimmu.2022.976677.
3. Ghalehbandi S, Zareie F, Askari K, **Yuzugulen J**, Haghparast A. (2022) Intra-CA1 injection of orexin receptors antagonism attenuates the stress-induced analgesia in a rat acute pain model. *Behav Brain Res.* 9;423:113785.
4. Marjani M, Dolab N, Kamkar MZ, Amiriani T, **Yuzugulen J**, Marjani A. (2022) Gender and Body Mass Index-Related Serum Level of Adipokines and Metabolic Syndrome Components in Bipolar Patients who received Lithium and Valproic Acid. *Metab Syndr Relat Disord.* 1-9.
5. Zinovkin DA, Kose SY, Nadyrov EA, Achinovich SL, Los' DM, Gavrilenko TE, Gavrilenko DI, **Yuzugulen J**, Pranjol MZI. (2021) Potential role of tumor-infiltrating T-, B-lymphocytes, tumor-associated macrophages and IgA-secreting plasma cells in long-term survival in the rectal adenocarcinoma patients. *Life Sci.* 286:120052. doi: 10.1016/j.lfs.2021.120052.
6. Dolab N, Kamkar MZ, Amiriani T, **Yuzugulen J**, Marjani M, Marjani A. (2020). The association between leptin and adiponectin, and metabolic syndrome components and serum levels of lipid peroxidation in bipolar disorder patients treated with lithium and valproic acid. *Heliyon.* 6(7):e04553.

7. **Yuzugulen J**, Douthwaite JA, Wood EG, Villar IC, Patel NSA, Jegard J, Gaertner H, Rossitto-Borlat I, Rose K, Hartley O, Cutillas PR, Ahluwalia A, Corder R. (2017) Characterisation of preproendothelin-1 derived peptides identifies Endothelin-Like Domain Peptide as a modulator of Endothelin-1. *Sci Rep.* 10;7(1):4956.
8. Heywood WE, Bliss E, Mills P, **Yuzugulen J**, Carreno G, Clayton PT, Muntoni F, Worthington VC, Torelli S, Sebire NJ, Mills K, Grunewald S. (2016) Global serum glycoform profiling for the investigation of dystroglycanopathies & Congenital Disorders of Glycosylation. *Mol Genet Metab Rep.* 17;7:55-62.
9. Dhaun N, **Yuzugulen J**, Kimmitt RA, Wood EG, Chariyavilaskul P, MacIntyre IM, Goddard J, Webb DJ, Corder R. (2015). Plasma pro-endothelin-1 peptide concentrations rise in chronic kidney disease and following selective endothelin A receptor antagonism. *J Am Heart Assoc.* 23;4(3):e001624.

Journal Publications in Other International Indexes (ESCI, Scopus)

1. Boutin, G., Yuzugulen, J., & Pranjol, M.Z. (2023). Endothelin-based markers for endothelial dysfunction in chemotherapy-induced cardiotoxicity. *Journal of Molecular and Cellular Cardiology Plus.* 6, 100053. doi:10.1016/j.jmccpl.2023.100053
2. Mirzaali M., **Yuzugulen J.**, Amiriani T., Marjani M. Marjani A. (2021) Effect of Different Doses of Metformin Tablets on Metabolic Syndrome Components in Women with Type 2 Diabetes Mellitus in Gorgan (South East of Caspian Sea). *Bulletin of Pharmaceutical Sciences.* Assiut. 44(2), 443-453.
3. Zinovkin D, Lyzikova YA, Nadyrov E, Petrenyov D, **Yuzugulen J**, Pranjol MZI. (2021) Gamma-ray irradiation modulates PGRMC1 expression and the number of CD56+ and FoxP3+ cells in the tumor microenvironment of endometrial endometrioid adenocarcinoma. *Radiation Oncology Journal.* 39(4):324-333. doi: 10.3857/roj.2021.00472.
4. Hashemi, M.M., Poursharifi, N., Kokabi, F., **Yuzugulen, J.**, Marjani, M., Marjani, A. (2021) Cytotoxic effect of define concentration of Yarrow (*Achillea millefolium*) extract used in Iranian traditional medicine on AGS human gastric cancer cell-line. *Bulletin of Pharmaceutical Sciences* 44(1), 139 – 148. 10.21608/BFSA.2021.174139.
5. Farshad O, Ommati M.M, **Yüzügülen J**, Jamshidzadeh A, Mousavi K, Ahmadi Z, Azarpira N, Ghaffari H, Najibi A, Shafaghat M, Niknahad H, Heidari R. (2021). Carnosine mitigates biomarkers of oxidative stress, improves mitochondrial function, and alleviates histopathological alterations in the renal tissue of cholestatic rats. *Pharmaceutical Sciences.* 27(1), 32-45.
6. Farshad O, Ommati M.M, **Yüzügülen J**, Alizadeh S, Mousavi K, Azarpira N, Marhonian A, Jamshidzadeh A, Heidari R. (2020). Skeletal Muscle Mitochondrial Impairment in Cirrhosis-Induced Sarcopenia. *Trends in Pharmaceutical Sciences.* 6(3): 189-204.

International Conference Publications

1. **Yuzugulen J**, Wood EG, Villar IC, Douthwaite JA, Patel NSA, Jegard J, Montoya A, Cutillas P, Gaertner H, Rossitto-Borlat I, Rose K, Hartley O, Ahluwalia A, Corder R. (2013). Characterisation Of the “Endothelin-Like Domain Peptide” (ELDP) Co-synthesised With Endothelin-1 from the *EDN1* gene. *Life Sciences.* 93(25-26) e2 [Oral presentation; Special Section of Thirteenth International Conference on Endothelin (ET-13), Tokyo, September 8 – 11, 2013].
2. **Yuzugulen J**, Kimmitt R, Dhaun N, Wood EG, Goddard J, Webb DJ, Corder R. (2013). Effect of sitaxentan on plasma biomarkers of proendothelin-1 synthesis in patients with chronic kidney disease. *Life Sciences.* 93(25-26) e66 [Poster presentation; Special Section of Thirteenth International Conference on Endothelin (ET-13), Tokyo, September 8 – 11, 2013].
3. **Yuzugulen J**, Lilitkarntakul P, Wood EG, Kimmitt RA, Dhaun N, Goddard J, Webb DJ, Corder R. (2013). Evaluation Of Urinary and Plasma Endothelin-Like Domain Peptide (ELDP) in Chronic Kidney Disease. *Life Sciences.* 93(25-26) e14 [Poster presentation; Special Section of Thirteenth International Conference on Endothelin (ET-13), Tokyo, September 8 – 11, 2013].

4. **Yuzugulen J**, Wood EG, Douthwaite JA, Villar IC, Patel NS, Jegard J, Montoya A, Cutillas P, Hartley O, Ahluwalia A, Corder R. (2012) Characterization of Proendothelin-1 Derived Peptides Identifies a Co-secreted Modulator of ET-1 Vasoconstriction, and Provides Insights for Biomarker Measurements. *Circulation*. 126: A18898 (Poster presentation; American Heart Association, Core 7: Vascular Disease: Biology and Clinical Science, Los Angeles, November 3 – 7 2012).
5. **Yuzugulen J**, Villar IC, Wood EG, Douthwaite JA, Patel NSA, Jegard J, Montoya A, Cutillas P, Gaertner H, Rossitto-Borlat I, Rose K, Hartley O, Ahluwalia A, Corder R. (2012). The Endothelin-Like Domain Peptide (ELDP) co-synthesised with endothelin-1 from the *EDN1* gene modulates ET-1 induced vasoconstriction and has potential for biomarker measurements. *Proceedings of the British Pharmacological Society* [Poster presentation, BPS Winter Meeting, London].
6. Heywood WE, Mills KM, **Yuzugulen J**, Worthington V, Wang D, Mills PB, Burke D, Clayton PT, Grunewald S. (2010). Proteomic analysis reveals potential alternative marker proteins for the diagnosis of congenital disorders of glycosylation types I and II. *J Inherit Metab Dis*. 33, S73 - S73 [Oral presentation, Euroglycanet, Leuven, Belgium].

Book Chapters

1. Medisinal Kimya Giriş. (2021). Jale Yuzugulen & H. Ozan Gülcan. Section 11. Farmakokinetik ve ilgili konular. Editor: Graham L. Patrick. Translation Editor: Prof. Dr. Öztekin Algül. Publisher: Ankara Nobel Tıp Kitabevleri. ISBN: 9786257146821.
2. **Yuzugulen J**. Pharmacology. In: 'Highlights In Pharmacy'. Editor: Fethi Sahin. Eastern Mediterranean University, pp 230-241 (2018). ISBN: 978-605-9595-15-5.

Chapters in the University Thesis Catalogue

1. **Yuzugulen J** (2014). Characterisation of Proendothelin-1 Derived Peptides and Evaluation of Their Utility as Biomarkers of Vascular and Renal Pathologies. PhD thesis published in the Queen Mary Research Online.
2. **Yuzugulen J** (2009). Proteomic analyses of plasma proteins of patients with congenital disorders of glycosylation. MRes. University College London.

Teaching Experience

Eastern Mediterranean University

15 September 2015 – current

Faculty of Pharmacy (Full-time, Assistant Professor)

- Undergraduate (taught in English).
 - PHAR301- Pharmacology I
 - PHAR302 - Pharmacology II
 - PHAR401- Pharmacology III
 - HLTS146 - Pharmacology for Nurses
 - PHAR444 - Pharmacology in Nutrition department
 - PHAR451, PHAR452, PHAR453 - Thesis project supervisions
- Postgraduate
 - PHAR619 - Advanced Cardiovascular Pharmacology

Responsibilities include development of pharmacology-based teaching resources, organisation and delivery of sessions, marking assessments and providing feedback.

Skills

Excellence in IT skills: Microsoft Office, GraphPad Prism, StatView and Adobe Photoshop, Web-site development using sharepoint.

- Fluent in English and Turkish (native).

Administrative Duties

1. Eastern Mediterranean University, Faculty of Pharmacy, Vice Dean (January 2024 - 2027).
2. Eastern Mediterranean University, Faculty of Pharmacy, Vice Dean (April 2018 - 2020).
3. Eastern Mediterranean University, Faculty of Pharmacy Faculty Executive Board (April 2018 - 2020).

Faculty Committees

1. Thesis Committee Member (2016-2019).
1. Faculty Website Coordinator (2016-current).
2. EMU Health Ethics Subcommittee Member (2016-2019).
3. Faculty Curriculum Committee Member (2016-2019).
4. ACPE Committee Member (2023)

Awards & Grants

1. The European Union Scholarship Programme for the Turkish Cypriot community (01 July-01 September 2018).
2. Bain Memorial Fund bursary from British Pharmacological Society (2013).
3. Queen Mary Research Fund was received to support my attendance for the “International Conference on Endothelin, ET-13” in Tokyo, 2013.
4. ET-13 Travel grant (2013).
5. PhD studentship received from Medical Research Council grant (10/2010 – 10/2013).

Professional Memberships

British Pharmacological Society (2010 – present).

London Cardiovascular Society (2011 – present).

European Respiratory Society (January 2014 – present).