

Dogukan Mutlu

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EDUCATION

PhD in Molecular Biochemistry Pamukkale University, Department of Biology	2018-Continues
MSc in Biochemistry Pamukkale University, Department of Biology	2012-2015
BSc in Biology Pamukkale University, Department of Biology	2008-2012

RESEARCH INTERESTS

Cancer biology, biochemistry, bioinformatics.

HONORS AND AWARDS

Investigating the Molecular Mechanisms of the Effects of Dwarf Nettle (Urtica urens) on Prostate Cancer. TUBITAK	2014
Investigation Molecular Mechanisms of the Effects of Capparis spinosa L. Extract in Experimental Animal Model of Multiple Sclerosis. TUBITAK	2013

SCIENCE CITATION INDEX RESEARCH ARTICLES

C. Yılmaz, S. Arslan, **D. Mutlu**, M. Konus, A. Kayhan, A. Kurt-Kızıldoğan, C. Otur, O. Ozok, A. Kivrak. "Identification of 3-Bromo-1-Ethyl-1H-Indole as a Potent Anticancer Agent with Promising Inhibitory Effects on GST Isozymes", Anti-Cancer Agents in Medicinal Chemistry, 2020, doi: 10.2174/1871520620666200918111940

M. Konus, D. Cetin, C. Yılmaz, S. Arslan, **D. Mutlu**, A. Kurt-Kızıldoğan, C. Otur, O. Ozok, M. AS Algo, A. Kivrak. "Synthesis, biological evaluation and molecular docking of novel thiophene-based indole derivatives as potential antibacterial, GST inhibitor and apoptotic anticancer agents", ChemistrySelect, 2020, doi: 10.1002/slct.202001523

A. Daikh, N. Segueni, N.M. Dogan, S. Arslan, **D. Mutlu**, I. Kivrak, S. Akkal, S. Rhouati. "Comparative study of antibiofilm, cytotoxic activity and chemical composition of Algerian propolis", Journal of Apicultural Research, 2019, doi: 10.1080/00218839.2019.1701777

CONFERENCE PAPERS

K. Kocabiyik, **D. Mutlu**, S. Arslan, G. Semiz. 2019, Assessment of cytotoxic and apoptotic activities of the essential oil from *Salvia syriaca*. 7th International Congress of the Molecular Biology Association of Turkey. Istanbul, Turkey.

D. Mutlu, S. Arslan, H.Aksit, I. Demirtas. 2018, Luteolin dependent inhibition of CYP1A1: application of in vitro and in silico modeling approaches. The 4th International Symposium EuroAsian Diversity. Kiev, Ukraine.

D. Mutlu, S. Arslan, B. Kabalay, G. Terzioglu, A. R. Tufekcioglu, I. Demirtas. 2018, Chemical constituent of Small Nettle (*Urtica urens*) seed oil and its cytotoxic activity. The 4th International Symposium EuroAsian Diversity. Kiev, Ukraine.

B. Kabalay, **D. Mutlu**, S. Arslan, G. Semiz, K. Kocabiyik. 2018, Essential oil composition analysis and cytotoxic activity of *Salvia frigida* Boiss. from Turkey. The 4th International Symposium EuroAsian Diversity. Kiev, Ukraine.

B. Kabalay, **D. Mutlu**, S. Arslan, G. Semiz, K. Kocabiyik. 2018, Chemical composition and Cytotoxicity of *Nepeta nuda* subsp. *lydiae* P. H. Davis Essential Oil Towards Colon Carcinoma. The 4th International Symposium EuroAsian Diversity. Kiev, Ukraine.

D. Mutlu, S.Arslan, H. Aksit, I. Demirtas. 2015, In vitro assessment of human CYP1A1 inhibition potential of Resveratrol and Silychristin. 9th Congress of the Turkish Toxicology Society. Cesme, Turkey.