

Supervisors

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- ❖ [Prof. Mukaddes G. GÜNELİ](#)
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- ❖ [Assoc. Prof. Nil HOCAOĞLU AKSAY](#)
- ❖ [Assoc. Prof. M.Aylin ARICI AKGÜN](#)
- ❖ [Asst. Prof. Mehmet ATES](#)

Research Areas

1. Clinical Pharmacology
 - Clinical Drug Trials
 - Drug pharmacokinetics and farmalkodinamik properties
 - Drug-xenobiotic interactions
 - Pharmacovigilance
 - Clinical Pharmacology training
2. Cardiovascular Pharmacology and Toxicology
 - Endothelial dysfunction
 - Cardiovascular toxicity mechanisms of antidepressants and antidotes development studies
 - Biomarkers in cardiovascular toxicity of antidepressants (S100B protein)
3. Signal pathways in cancer
 - HGF / c-Met pathway
 - Small GTPases (RhoA, Rac1 and Cdc42)
4. Pharmacology of Endocrine System and Circadian Rhythms
 - Mechanism of vascular changes in diabetes
5. Urogenital System Pharmacology
 - diabetic bladder
 - Diabetic nephropathy
 - Radiocontrast induced nephropathy
 - Pathophysiology of erectile dysfunction
 - Gazotransmitt

6. Clinical Toxicology

- Epidemiological features of poisonings
- Antidote development in the treatment of poisoning
- Teratogenic effects of drugs
- Clinical Toxicology training

Recent Publications

- Ahmet Akici, Ayse Gelal, Dilek Demircan, Ramazan Tiskaoglu, Ibrahim Topcu, Huseyin Yilmaz. Assessment of Methylphenidate Prescriptions Written for The Treatment of Attention Deficit Hyperactivity Disorder. *Bulletin of Clinical Psychopharmacology*. 2013; (23):1; 42-48.
- Gelal A, Gumustekin M, Arici MA, Gidener S. Rational pharmacotherapy training for fourth-year medical students. *Indian J Pharmacol*. 2013;45:4-8.
- Gumustekin M, Çilaker Micili S, Arici MA, Karaman M, Guneli M, Tekmen I. The Effect of Insulin Treatment on Rac1 Expression in Diabetic Kidney. *Renal Failure*, 2013; 35(3): 396–402
- Kara H, Karci A, Gumustekin M, Örmen M, Taşdoğan A, Elar Z. The Effect of Tramadol on Blood Glucose Levels in Rats. *Open Journal of Anesthesiology*, 3, 18-22, 2013
- Gelal A, Gumustekin M, Arici MA, Gidener S. Rational Pharmacotherapy training for forth-year medical students. *Ind J Pharmacol*, 45(1), 4-8 (2013).
- Gumustekin M, Kargı A, Bulut G, A.Gozukizil, Ulukus C, Oztop I, Atabey N. HGF/c-Met overexpressions, but not Met mutation, correlates with progression of non-small cell lung cancer. *Pathology and Oncology Research*,18: 209-218 (2012)
- Gidener S, Arıcı MA. Glukokortikoidler. *Turkiye Klinikleri J Hem Onc-Special Topics* 2012;5(1):25-33.
- Demir Ö, Arıcı MA, Demiral Y, Tunççok Y. Evaluation of Drugs Exposure in Pregnancy According to Different Risk Categories: Do FDA-Based Decisions Lead to More Curettage? *Turkiye Klinikleri J Med Sci* 2012;32(4):901-9
- Bayram, B., E. Dedeoglu, N. Hocaoglu ve E. Gazi. "Propafenone-Induced Cardiac Arrest: Full Recovery With Insulin, Is It Possible?". *Am J Emerg Med*, 31(2): 457.e5-7, (2013). doi: 10.1016/j.ajem.2012.08.003.
- Aydın, B., N. Hocaoglu ve S. Gidener. "Could Decitabine Treatment Impair Memory Functions In Humans?". *Med Hypotheses*, 79(5): 639-641, (2012).
- Kalkan, S., N. Hocaoglu, K. Oransay, M. Buyukdeligoz ve Y. Tuncok. "Adenosine Mediated - Cardiovascular Toxicity In Amitriptyline Poisoned Rats". *Drug Chem Toxicol*, 35(4): 423-431, (2012).
- Hocaoglu, N., S. Kalkan, M. Buyukdeligoz, K. Oransay ve Y. Tuncok. "Is Serum S100B Protein A Biomarker For Amitriptyline-Induced Cardiovascular Toxic Effects?". *Cardiovasc Toxicol*, 12(2): 115-122, (2012).
- Bayram, B., N. Hocaoglu, R. Atilla ve S. Kalkan. "Effects Of Terlipressin In A Rat Model Of Severe Uncontrolled Hemorrhage Via Liver Injury". *Am J Emerg Med*, 30(7): 1172-1186, (2012).

• **Ph.D. Programs**

[Pharmacology](#)

[Toxicology](#)