

Department of Biochemistry (MED)

Supervisors

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Research Areas:

Endoplasmic reticulum Stress
Cell Death
Nonalcoholic fatty liver disease
ROS/RNS-Oxidative stress
GSH/GSSG-Antioxidants
Whey-Proteins
Liposomes-Nanoparticles
Oxidative stress
Preanalytic Laboratory Errors
Method Comparison
Proteasome
Diabetes Mellitus
Obesity
Cancer
Polyphenols

Recent Publications (2013- 2016)

- Kirac D, Negis Y, Özer NK, Vitamin E attenuates homocysteine and cholesterol induced damage in rat aorta, *Cardiovascular Pathology* 22(6):465-472, 2013.
- Bozaykut P, Sozen E, Kaga E, Ece A, Ozaltın E, Ek B, Ozer NK, Grune T, Bergquist J, Karademir B. The role of heat stress on the age related protein carbonylation, *Journal of Proteomics* 89: 238 – 254, 2013.
- Kaga E, Karademir B, Baykal AT, Ozer NK. Identification of differentially expressed proteins in atherosclerotic aorta and effect of vitamin E, *Journal of Proteomics* 92: 260 – 273, 2013.

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- Bozaykut P, Karademir B, Yazgan B, Sozen E, Siow RC, Mann GE, Ozer NK. Effects of vitamin E on peroxisome proliferator-activated receptor γ and nuclear factor-erythroid 2-related factor 2 in hypercholesterolemia induced atherosclerosis, *Free Radical Biology & Medicine*, 70: 174–181, 2014.
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- Sozen E, Ozer NK. Impact of high cholesterol and endoplasmic reticulum stress on metabolic diseases: An updated mini-review *Redox Biology*, 12:456-461, 2017.
- Altundağ E, Kasacı T, Yılmaz AM, Karademir B, Koçtürk S, Taga Y, Yalçın AS. Quercetin-induced cell death in human papillary thyroid cancer (B-CPAP) cells, *J Thyroid Res*, 2016, Article ID 9843675, 10 pages, <http://dx.doi.org/10.1155/2016/9843675>
- Maulucci G, Bacic G, Bridal L, Schmidt HH, Tavitian B, Viel T, Yalçın AS, De Spirito M. Imaging ROS-induced modifications in living systems, *Antioxid Redox Signal*, 2016; 24: 939-958.
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