



Petek Ballar Kirmızıbayrak

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- Petek Ballar Kirmızıbayrak, Ph.D., is a full professor at Ege University, Faculty of Pharmacy, Department of Biochemistry.
- She completed her undergraduate studies in Pharmacy at Ege University (2001) and earned her Ph.D. in Molecular and Cell Biology from the University of Maryland, Baltimore (2007).
- Her research primarily focuses on protein homeostasis, particularly Endoplasmic Reticulum (ER)-associated protein degradation, the Ubiquitin Proteasome System, autophagy, and the Unfolded Protein Response in health and disease.
- Additionally, she conducts research on the discovery of drug candidate molecules targeting proteostasis, telomerase, and the NRF2 systems in pathologies such as aging, cancer, and neurodegeneration.
- Prof. Kirmızıbayrak has published over 60 peer-reviewed articles, mainly in the area of proteostasis, in journals like *Acta Pharmaceutica Sinica B*, *Scientific Reports*, *Cells*, and *Free Radical Biology and Medicine*.
- She has been involved as a principal investigator or co-investigator in numerous national and international research projects and holds patents in her field of expertise.
- She has received notable awards, including the Outstanding Achievement Award in Research in Health Sciences by the Council of Higher Education of Turkey (2019), the Golden Mortar Scientist Award (2018), and the Distinguished Young Scientist Award of the Science Academy (2018).
- Additionally, she has served as a reviewer for various MSCA programs under the European Commission for over ten years, recently as vice chair, and is a member of the advisory board for TÜBİTAK's SBAG and UİDB programs.