

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Istanbul Medipol University, Sağlık Bilimleri Enstitüsü, Histoloji Ve Embriyoloji (Dr), Turkey 2018 - Continues Postgraduate, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, Histoloji Ve Embriyoloji (YI) (Tezli), Turkey 2014 - 2017

Undergraduate, Yeditepe University, Mühendislik-Mimarlık Fakültesi, Genetik Ve Biyomühendislik Bölümü, Turkey 2009 - 2014

## Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Pharmacology and Therapeutics, Life Sciences, Natural Sciences

## Academic Titles / Tasks

Research Assistant, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, 2016 - 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effects of Garcinia kola and curcumin on the dorsal root ganglion of the diabetic rat after peripheral nerve transection injury**  
AKTAŞ A., YİĞİT F., DELİBAŞ B., KAPLAN A. A., Hamour H. M., Marangoz A. H., Kaya A., Altun G., Kaplan S.  
Journal of Chemical Neuroanatomy, vol.136, 2024 (SCI-Expanded)
- II. **Unravelling the impact of COVID-19 on pregnancy: In aspect of placentar histopathology and umbilical cord macrophage immunoactivity with neonatal outcomes.**  
Altuntaş Ş. L., Güneş A., Kaplan A. A., Aysit N., Keskin İ.  
Journal of reproductive immunology, vol.162, pp.104207, 2024 (SCI-Expanded)
- III. **The effect of dietary sesame oil and ginger oil as antioxidants in the adult rat dorsal root ganglia after peripheral nerve crush injury**  
Delibaş B., KAPLAN A. A., Marangoz A. H., Eltahir M. I., Altun G., Kaplan S.  
International Journal of Neuroscience, vol.134, no.7, pp.714-724, 2024 (SCI-Expanded)
- IV. **Momordica charantia enhances tendon healing in rats: An experimental study.**  
Erdoğan F., Kaplan A. A., Coşkun H. S., Altun G., Altunkaynak B. Z., Kelsaka E., Kaplan S., Pişkin A.  
Cells, tissues, organs, 2023 (SCI-Expanded)

- V. **The effects of curcumin and blueberry on axonal regeneration after peripheral nerve injury**  
KAPLAN A. A., Önger M. E., Kaplan S.  
Journal of Chemical Neuroanatomy, vol.130, 2023 (SCI-Expanded)
- VI. **The potential protective effects of melatonin and omega-3 on the male rat optic nerve exposed to 900 MHz electromagnetic radiation during the prenatal period**  
Tüfekci K. K., KAPLAN A. A., Kaya A., Alrafiah A., Altun G., AKTAŞ A., Kaplan S.  
International Journal of Neuroscience, vol.133, no.12, pp.1424-1436, 2023 (SCI-Expanded)
- VII. **A novel approach in the treatment of osteoarthritis: In vitro and in vivo evaluation of Allium sativum microemulsion**  
Okur M. E., KOLBAŞI B., ŞAHİN M., KARADAĞ A. E., REIS R., Çağlar E. Ş., KAPLAN A. A., Sipahi H., KESKİN İ., Demiralp B., et al.  
Journal of Surfactants and Detergents, vol.25, no.5, pp.621-633, 2022 (SCI-Expanded)
- VIII. **Is vagal stimulation or inhibition benefit on the regulation of the stomach brain axis in obesity?**  
Alkan I., Altunkaynak B. Z., Kivrak E. G., KAPLAN A. A., Arslan G.  
Nutritional Neuroscience, vol.25, no.4, pp.758-770, 2022 (SCI-Expanded)
- IX. **A concise review of optical, physical and isotropic fractionator techniques in neuroscience studies, including recent developments**  
Deniz Ö. G., Altun G., Kaplan A. A., Yurt K. K., von Bartheld C. S., Kaplan S.  
Journal of Neuroscience Methods, vol.310, pp.45-53, 2018 (SCI-Expanded)
- X. **The genomic effects of cell phone exposure on the reproductive system**  
Yahyazadeh A., Deniz Ö. G., Kaplan A. A., Altun G., Yurt K. K., Davis D.  
Environmental Research, vol.167, pp.684-693, 2018 (SCI-Expanded)
- XI. **Genotoxic and carcinogenic effects of non-ionizing electromagnetic fields**  
Kocaman A., Altun G., Kaplan A. A., Deniz Ö. G., Yurt K. K., Kaplan S.  
Environmental Research, vol.163, pp.71-79, 2018 (SCI-Expanded)
- XII. **The use of diclofenac sodium in urological practice: A structural and neurochemical based review**  
Ulubay M., Yurt K. K., Kaplan A. A., Atilla M. K.  
Journal of Chemical Neuroanatomy, vol.87, pp.32-36, 2018 (SCI-Expanded)
- XIII. **Peripheral nerve and diclofenac sodium: Molecular and clinical approaches**  
Kaplan A. A., Yurt K. K., Deniz Ö. G., Altun G.  
Journal of Chemical Neuroanatomy, vol.87, pp.2-11, 2018 (SCI-Expanded)
- XIV. **The use of non-steroidal anti-inflammatory drugs in neurological diseases**  
Terzi M., Altun G., Şen S., Kocaman A., Kaplan A. A., Yurt K. K., Kaplan S.  
Journal of Chemical Neuroanatomy, vol.87, pp.12-24, 2018 (SCI-Expanded)
- XV. **Different methods for evaluating the effects of microwave radiation exposure on the nervous system**  
Altunkaynak B. Z., Altun G., Yahyazadeh A., Kaplan A. A., Deniz O. G., Türkmen A. P., Önger M. E., Kaplan S.  
Journal of Chemical Neuroanatomy, vol.75, pp.62-69, 2016 (SCI-Expanded)
- XVI. **Controversies related to electromagnetic field exposure on peripheral nerves**  
Say F., Altunkaynak B. Z., Coşkun S., Deniz Ö. G., Yıldız Ç., Altun G., Kaplan A. A., Kaya S. E., Pişkin A.  
Journal of Chemical Neuroanatomy, vol.75, pp.70-76, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Effect of Curcumin on Penile Fibrotic Plaque in Rats with Experimental Peyronie's Disease**  
Ulubay M., KAYA A., KAPLAN A. A., Tüfekci K. K., Akdeniz E., Kaplan S.  
Grand journal of urology (Online), vol.3, no.3, pp.102-108, 2023 (Peer-Reviewed Journal)
- II. **Effects of folic acid on rat kidney exposed to 900 MHz electromagnetic radiation**  
DENİZ Ö. G., BAKIRHAN E. G., KAPLAN A. A., ALTUNKAYNAK B. Z.  
Journal of Microscopy and Ultrastructure, vol.5, 2017 (Peer-Reviewed Journal)
- III. **Effects of electromagnetic fields exposure on the antioxidant defense system**

BAKIRHAN E. G., TÜFEKÇİ K. K., KAPLAN A. A., ALKAN I., ALTUN G.

Journal of Microscopy and Ultrastructure, vol.5, 2017 (Peer-Reviewed Journal)

IV. **Skeptical approaches concerning the effect of exposure to electromagnetic fields on brain hormones and enzyme activities**

WARİLLE LOGO A. A., ALTUN G., Elamin A., KAPLAN A. A., Mohamed H., TÜFEKÇİ K. K., FARG YAHYA A. E. E. B.

Journal of Microscopy and Ultrastructure, vol.5, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Uterus Stereology.**  
KAYA MUTLU A., ALTUN G., TÜFEKÇİ K. K., KAPLAN A. A., Kipanyula M. J., KAPLAN S.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.185-202, 2024
- II. **Using Magnetic Resonance Images for Organ and Region Volume Estimation.**  
BAKIRHAN E. G., DENİZ Ö. G., KAPLAN A. A., ALKAN I., TÜFEKÇİ K. K., KAPLAN S.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.141-150, 2024
- III. **Bone and Cartilage Stereology.**  
KAYA MUTLU A., ALTUN G., KAPLAN A. A., KAYA S. E., TÜFEKÇİ K. K., KAPLAN S.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.365-387, 2024
- IV. **Physical and Optical Disectors**  
ALTUN G., Elamin A., KAPLAN A. A., Kipanyula M. J., KAYA S. E., KAPLAN S.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.51-76, 2024
- V. **Stereological Analysis of the Gastrointestinal Tract.**  
Ahmed M. K., KAYA MUTLU A., KAPLAN A. A., DENİZ Ö. G., ÖNGER M. E., KAPLAN S.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.351-364, 2024
- VI. **Spinal Cord Stereology.**  
KAPLAN S., ALTUN G., Elamin A., KAPLAN A. A., MARANGOZ A. H., DENİZ Ö. G.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.185-202, 2024
- VII. **The Stereology of the Urinary Bladder.**  
ULUBAY M., ALTUN G., KAPLAN A. A., Hamour H. M., KAPLAN S.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.387-414, 2024
- VIII. **Volumetric Analysis of Brain Parts Using Magnetic Resonance Imaging.**  
ALKAN I., DENİZ Ö. G., KAPLAN A. A., TÜFEKÇİ K. K.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.141-150, 2024
- IX. **Estimation of section thickness for Stereological Analysis.**  
KAPLAN A. A.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.131-140, 2024
- X. **Kidney Stereology.**  
Shah S., ALTUN G., KAPLAN A. A., KAPLAN S.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.319-351, 2024
- XI. **Physical and Optical Fractionator Techniques**  
ALTUN G., DENİZ Ö. G., KAPLAN A. A., Kipanyula M. J., KAPLAN S.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.77-102, 2024
- XII. **The Quantitation of Nerve Fibres in Diabetic and Transected Sciatic Nerves.**  
Hamour H. M., ALTUN G., KAPLAN A. A., DENİZ Ö. G., MARANGOZ A. H., KAPLAN S.  
in: A Manual of the Stereological Techniques., , Editor, Nova Science Publishers, pp.217-238, 2024
- XIII. **Prenatal Diclofenac Sodium Exposure and Newborn Testis: Histomorphometric, Light and Electron Microscopic Evaluation**  
TUNALI/ULKAY M. B., AKTAŞ A., ALKAN I., KAPLAN A. A., DENİZ Ö. G., KAPLAN S.  
in: A comprehensive guide to non-steroidal anti-inflammatory drugs, Süleyman Kaplan, Editor, novo medicine health, New York, pp.437-455, 2021

- XIV. **Dose dependent Effects of Diclofenac Sodium on the Nervous System.**  
Kaplan A. A., Yurt K. K., Marangoz A. H., Rağbetli M. Ç., Kaplan S.  
in: A Comprehensive Guide to Non- Steroidal Anti-Inflammatory Drugs, KAPLAN S, Editor, NOVA Science Publishers Inc. , New York, pp.295-312, 2021
- XV. **Prenatal Administration of Non- Steroidal Anti-Inflammatory Drugs and Optic Nerve Development.**  
KIVRAK E. G., KAPLAN A. A., YURT K. K., KAPLAN S.  
in: A Comprehensive Guide to Non- Steroidal Anti-Inflammatory Drugs, , Editor, Nova Science Publishers, New York, pp.367-388, 2021
- XVI. **Peripheral Nerve System and Nonsteroidal Anti-Inflammatory Drugs: Molecular, Morphological and Clinical Approches.**  
ALTUN G., KAPLAN A. A., YURT K. K., KAPLAN S.  
in: A Comprehensive Guide to Non- Steroidal Anti-Inflammatory Drugs,, Editor, Nova Science Publishers, New York, pp.407-436, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **ULTRASTRUCTURE OF CILIA ON EPENDYMO-RADIAL GLIAL CELLS IN THE AMBYSTOMA MEXICANUM**  
KAPLAN A. A., KESKİN İ., ÖZTÜRK G.  
Salamander Meeting 2022, 24 August 2022
- II. **One step closer to lung regeneration: Detailed morphological examination of neotenic and metamorphic axolotl lungs**  
GÜNEŞ A., Gürsoy D. G., KAPLAN A. A., ÖZDEMİR İ., KESKİN İ.  
1st INTERNATIONAL MICROSCOPY and SPECTROSCOPY CONGRESS, İzmir, Turkey, 22 - 24 September 2021
- III. **Folic acid protects rat kidney from the 900 MHz electromagnetic fields exposure.**  
DENİZ Ö. G., Elvide Gizem K., KAPLAN A. A., ALTUNKAYNAK B. Z.  
3rd Asian and African Stereology Congress, 18 December 2018
- IV. **Investigation of the effect of curcumin and blueberry on axonal regeneration after peripheral nerve injury.**  
KAPLAN A. A., ÖNGER M. E., KAPLAN S.  
3rd Asian and African stereology congress, Yeni Delhi, India, 18 - 20 December 2018
- V. **Volumetric analysis of brain parts on magnetic resonance imaging**  
ALKAN I., DENİZ Ö. G., KAPLAN A. A., YURT K. K.  
3rd Asian and African Stereology Congress, Yeni Delhi, India, 18 - 20 December 2018, pp.39

## Supported Projects

Kaplan A. A., Önger M. E., Project Supported by Higher Education Institutions, Periferik Sinir Hasarı Sonrası Kurkumin ve Mavi Yemişin Aksonal Rejenerasyon Üzerine Etkisinin Araştırılması, 2015 - 2016  
Elektromanyetik Alana Maruz Kalan Sıçanlarda Kafeinin Nöron Sağkalımı Üzerine Etkilerinin Stereolojik Yöntemlerle Belirlenmesi, 2015 - 2016

## Metrics

Publication: 41  
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H-Index (Scopus): 7