CURRICULUM VITAE AND PUBLICATIONS LIST

CURRICULUM VITAE

Name and Surname: Emine SARMAN

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Area of Expertise: Fundamental Medical Sciences
Histology and Embryology
Medicine

Degree	Department/Program	University	Year
Doctorate	HİSTOLOJİ-EMBRİYOLOJİ (DR)	Süleyman Demirel University	2021
Master's Degree	HİSTOLOJİ-EMBRİYOLOJİ (YL) (TEZLİ) (TIP)	Fırat University	2015

Position Title	Workplace	Year
Assistant Professor	Afyonkarahisar Health Sciences University	2022-Continues

Roles in Projects:

1. *5-Florourasil (5-FU)'in Oluşturduğu Nefrotoksisitede Hedysarum varium'un Etkisinin Araştırılması*, Project Supported by Higher Education Institutions, Erdoğmuş S. F., Sarman E., Koca H. B., Sarıkürkcü C., İşitez N. (Executive), 2024-2025.

2. *Streptozotosin İle Diyabet Oluşturulmuş Sıçanların Testislerinde Kisspeptin İmmünreaktivitesinin Belirlenmesi*, Project Supported by Higher Education Institutions, Sarman E., Çolakoğlu N. (Executive), 2020-2021.

Awards:

1. Excellence Award (2026)

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

A1. Akyürek Bayhan N., Gündüz D., Fatih Karakuyu N., İlhan İ., Yusuf Tepebaşi M., Berk İmeci O., Sarman E., Savran M., "Gallic acid, renal redox balance and NRF2-Related transcript-level modulation in a rat model of contrast-associated acute kidney injury", *European Journal of Pharmacology*, vol. 1033, 2026.

A2. Savran M., Hatip A. Y., Aşcı S., Oğuzoğlu A. S., Sarman E., Tepebaşı M. Y., Bindal A., Gülal A., Aşcı H., "Evaluation of modafinil's neuroprotective effects in lipopolysaccharide-induced sepsis-associated encephalopathy: associations with GSK3β, inflammatory, oxidative stress, and apoptotic signaling", *Naunyn-Schmiedeberg's Archives of Pharmacology*, 2026.

A3. Havabulut C. M., Gündüz D., Sarman E., İlhan İ., Tepebaşı M. Y., Gülal A., Savran M., Aşcı H., "Protective effects of dexpanthenol against diatrizoate-induced contrast nephropathy via the SIRT1–p53–Bcl-2/Bax pathway in rats", *Naunyn-Schmiedeberg's Archives of Pharmacology*, vol. 399, no. 11, pp. 18261-18271, 2026.

A4. Sarman E., Asci H., "Correction: Cellular Anti-Apoptotic Effects of Dapagliflozin in Methotrexate-Induced Liver Toxicity: Bax/Bcl-2/Cyt-C/Cas-9/Cas-3 Signaling Pathway (International Journal of Molecular Sciences, (2026), 27, 5, (2110), 10.3390/ijms27052110)", *International Journal of Molecular Sciences*, vol. 27, no. 7, 2026.

A5. Çelik E., Karabacak P., Özcan M. S., İlhan İ., Tepebaşı M. Y., Sarman E., Arlıoğlu M., Aşcı H., "Targeting mitochondrial apoptosis in septic lung injury: protective potential of omega-3 fatty acids", *Apoptosis*, vol. 31, 2026.

A6. Sarman E., Aşcı H., Uysal D., Selçuk E., Küçüktepe Z., Kolay Ö., Gülal A., "Rivastigmine attenuates LPS-induced cardiotoxicity via modulation of ER stress, oxidative pathways and apoptosis: Evidence from a rat model", *Microvascular Research*, 2026.

A7. Sarman E., Aşcı H., "Cellular Antiapoptotic Effects of Dapagliflozin In Methotrexate-Induced Liver Toxicity: Bax / Bcl-2 / Cyt-C / Cas-9 / Cas-3 Signaling Pathway", *International Journal of Molecular Sciences*, vol. 27, no. 5, pp. 2110, 2026.

A8. Çamlıca Ü., Gündüz D., Aşcı H., Sarman E., İlhan İ., Tepebaşı M. Y., Kolay Ö., "Examination of the Effect of Riboflavin on TNF-α, Cas-3 Expression and SIRT1/p53/Bax/Bcl-2 Gene Expression in Diatrizoate-Induced Experimental Nephropathy Model", *Immunopharmacology And Immunotoxicology*, 2026.

A9. Polat Ü., Gündüz D., İlhan İ., Tepebaşı M. Y., Karakuyu N. F., İmeci O. B., Sarman E., "The Role of Selenium in Reducing Sodium diatrizoate-Induced Oxidative Stress–Related Renal Injury: Investigation of TNF-α, Caspase-3, and Nrf2/Keap1/HO-1 Gene Expressions", *British Journal of Pharmacology*, 2026.

A10. Polat H. K., Çopur T., Pezik E., Turanlı Y., Karakuyu N. F., Köngül E., Ünal S., Gözcü S., Sarman E., "Development and characterization of olopatadine and verbascoside-loaded thermoresponsive in situ gels for ocular drug delivery: a factorial design approach for allergic conjunctivitis", *Drug Development and Industrial Pharmacy*, vol. 52, no. 8, pp. 1561-1578, 2026.

A11. Bulut S., Karakuyu N. F., Sarman E., Sidal A., Kahraman A., Yılmaz M. A., Çakır O., "Phytochemical content, antioxidant and anti-inflammatory properties and wound healing effect of Chaiturus marrubiastrum: an in vitro and in vivo study", *Inflammopharmacology*, 2026.

A12. Timuroğlu A., Özden E. S., Selçuk E., Sarman E., Oğuzlar F. Ç., Kolay O., Aşcı H., Köksoy Ü. C., "β-Hydroxy-β-methylbutyrate attenuates sepsis-associated lung injury by regulating NF-κB p65-mediated inflammation, ER stress and mitochondrial apoptosis in a rat model", *Naunyn-Schmiedeberg's Archives of Pharmacology*, 2026.

A13. Akgöl J., Sarman E., Çinar R., "Protective effects of Crataegus monogyna against cisplatin-induced liver and kidney toxicity in rats", *Drug and Chemical Toxicology*, vol. 49, no. 3, pp. 513-525, 2026.

A14. Sarman E., Aşcı H., Özcan K. N., Kolay Ö., Nazıroğlu İ., "Vortioxetine protects against methotrexate-induced ovarian toxicity through anti-inflammatory, antioxidant and antiapoptotic pathways: a multi-marker immunohistochemical study", *Journal of Molecular Histology*, vol. 56, 2025.

A15. Polat H. K., Karakuyu N. F., Ünal S., Turanlı Y., Pezik E., Usta Sofu G., Sarman E., "Thermosensitive in situ gel containing alpha-lipoic acid and rutin for the treatment of corneal neovascularization: formulation, characterization, and in vivo evaluation", *Journal of Drug Delivery Science and Technology*, vol. 114, pp. 1-12, 2025.

A16. Erbaş M., Gündüz D., Sarman E., İlhan İ., Tepebaşı M. Y., Arlıoğlu A., Savran M., "L-Carnitine Mitigates Urographin-Induced Nephrotoxicity via Modulation of Inflammatory, Oxidative, and Apoptotic Pathways in Rat Kidney", *Molecular and Cellular Biochemistry*, 2025.

A17. Karakuyu N. F., Kaya M. N., Usta Sofu G., Sarman E., "“Healing effect of homeopathic drug Theranekron in an alkaline-induced corneal injury model in rats”", *Experimental Eye Research*, 2025.

A18. Sarman E., Koca H. B., "Effect of grape seed extract on doxorubicin-induced testicular and epididymal damage in rats", *Human and Experimental Toxicology*, 2025.

A19. Sarman E., Aşcı H., Selçuk E., "The protective effects of dapagliflozin on cisplatin-induced ovarian toxicity via NRF2-HO-1 pathway and TNF-α/Cas3 signaling", *Scientific Reports*, vol. 4, no. 3, 2025.

A20. Candan B., Karakuyu N. F., Gülle K., Sarman E., Ulusoy Karatopuk D., "Beneficial Effects of Selenium on Kidney Injury via Nf-Kb and Aquaporin-1 Levels", *Biological Trace Element Research*, 2024.

A21. Candan B., İlhan İ., Sarman E., Sevimli M., "Irbesartan restored aquaporin-1 levels via inhibition of NF-kB expression in acute kidney injury model Ei irbesartán restauró los niveles de acuaporina-1 mediante la inhibición de la expresión de NF-KB en el modelo de lesión renal aguda", *Nefrología*, vol. 44, no. 4, pp. 540-548, 2024.

A22. Bayram D., Özgöçmen M., Aşcı Çelik D., Sarman E., Sevimli M., "Does Boric Acid Inhibit Cell Proliferation on MCF-7 and MDA-MB-231 Cells in Monolayer and Spheroid Cultures by Using Apoptosis Pathways?", *Biological Trace Element Research*, 2024.

A23. Kaya E., Yılmaz S., Altay Z., Özer Kaya Ş., Çolakoğlu N., Sarman E., "Protective effect of propolis on the antioxidant enzymes activities, characteristics of epididymal spermatozoa and histopathological structure of testis from rats treated with cyclophosphamide Efecto protector del propóleo sobre las actividades de las enzimas antioxidantes, las características de los espermatozoides epididimarios y la estructura histopatológica de los testículos de ratas tratadas con ciclofosfamida", *Revista Científica de la Facultad de Ciencias Veterinarias*, vol. 34, no. 2, 2024.

A24. Sarman E., "Effect of Cucumis melo var. agrestis Naudin on doxorubicin-induced cardiotoxicity in rats", *Cukurova Medical Journal*, vol. 49, no. 2, pp. 353-362, 2024.

A25. Sarman E., Gülle K., İlhan İ., "Histochemical, Immunohistochemical, and Biochemical Investigation of the Effect of Resveratrol on Testicular Damage Caused by Methotrexate (MTX)", *Reproductive Sciences*, vol. 30, no. 11, pp. 3315-3324, 2023.

A26. Aydın S., Kuloglu T., Aydın S., Eren M. N., Yilmaz M., Sahin I., Kalayci M., Sarman E., Kaya N., Yilmaz O. F. vd., "Irisin: A potentially candidate marker for myocardial infarction", *Peptides*, vol. 55, pp. 85-91, 2014.

B. Papers presented at international scientific meetings and published in proceedings:

B1. Sarman E., Aşcı H., Kolay Ö., Nazıroğlu İ., Neuroprotective effects of atorvastatin and nebivolol against cardiac ischemia/reperfusion-induced cerebral injury: a histopathological study, In: *10th INTERNATIONAL CONFERENCE ON MEDICAL & HEALTH SCIENCES*, Italy, 2025.

B2. Akgöl J., Sarman E., Çinar R., Crataegus Monogyna, Oksidatif Stres, Enflamasyon ve Apoptozu Düzenleyerek Sisplatin Kaynaklı Hepato-Renal Toksisiteyi Azaltır, In: *18th International Medicine and Health Sciences Researches Congress (UTSAK 2025)*, Ankara, Türkiye, 2025, pp. 210-211.

B3. Sarman E., Koca H. B., Özgen İ., COULD CUCUMIS MELO VAR AGRESTIS NAUDIN HAVE A PROTECTIVE EFFECT ON DOXORUBICIN-INDUCED LIVER AND KIDNEY DAMAGE?, In: *ANKARA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH-X*, Türkiye, 2024.

B4. Sarman E., Koca H. B., Özgen İ., COULD CUCUMIS MELO VAR AGRESTIS NAUDIN HAVE A PROTECTIVE EFFECT ON DOXORUBICIN-INDUCED LIVER AND KIDNEY DAMAGE?, In: *ANKARA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH-X*, Ankara, Türkiye, 2024.

B5. Sarman E., Çinar R., Protective Effect of Cucumis melo Var. agrestis Naudin on Testicular Damage Due to Doxorubicin, an Anthracycline Derivative Antibiotic, In: *7 TH INTERNATIONAL ACHARAKA CONGRESS ON MEDICINE, NURSING, MIDWIFERY, AND HEALTH SCIENCES*, İzmir, Türkiye, 2024.

B6. Sarman E., Özgen İ., INVESTIGATION OF THE EFFECTS OF SOME CRATAEGUS SPECIES OF ROSACEAE FAMILY ON THE HEART, In: *ICHEAS 4th International Conference On Health, Engineering and Applied Sciences April 14 - 16, 2023 Dubai*, United Arab Emirates, 2023, pp. 127-133.

B7. Sarman E., Sarman A., Relationship of Lipid Metabolism, Mitochondrial Fatty Acid Oxidation and Carnitine Palmitoyltransferase 1A (CPT1A), In: *6th International Conference on Advances in Natural and Applied Sciences*, Ağrı, Türkiye, 2022, pp. 239-240.

C. National/international books written or chapters in books:

C2. Chapters in national/international books written:

C2.1. Sarman E., Düzer S., "Burun Histolojisi", *Nazal İlaç Uygulamaları*, Hipokrat, Ankara, 2025.

C2.2. Sarman E., Düzer S., "Burun Embriyolojisi", *Nazal İlaç Uygulamaları*, Hipokrat, Ankara, 2025.

C2.3. Sarman E., "HISTOLOGICAL TESTS USED IN THE DIAGNOSIS OF CELIAC DISEASE AND SMALL INTESTINAL BIOPSY", *ALL ASPECTS OF CELIAC DISEASE AND ITS MANAGEMENTS*, Holistence Publications, 2024.

C2.4. Sarman E., "Karnitin Palmitoil Transferaz (CPT) Sisteminin Önemi ve Hastalıklar Üzerindeki Etkisi", *Sağlık Bilimleri Alanında Uluslararası Araştırmalar X*, Eğitim Yayınevi, 2022.

C2.5. Sarman E., "Doksorubisin'in Kardiyovasküler Sistem Ve Üreme Sistemi Üzerindeki Toksisitesi", *Sağlık Bilimlerinde Güncel Tartışmalar ve Araştırmalar 5*, Bilgin Yayınevi, 2022.

D. Articles published in national peer-reviewed journals:

D1. Sarman E., Aşcı H., Nazıroğlu İ., Kolay Ö., Sirazi E., "Potential protective effects of agomelatine on lipopolysaccharide-induced lung injury: Histopathological and immunohistochemical findings in a rat model", *Anatolian Current Medical Journal*, vol. 8, no. 4, pp. 645-651, 2026.

D2. Sarman E., Koca H. B., Özgen İ., "The antioxidant, anti-inflammatory and anti-apoptotic effects of Cucumis melo var. agrestis Naudin in doxorubicininduced hepatotoxicity and nephrotoxicity in rats", *Health Sciences Quarterly (Online)*, vol. 6, no. 3, pp. 633-647, 2026.

D3. Bayram D., Özgöçmen M., Çelik D. A., Sarman E., Sevimli M., "Retraction Note: Does Boric Acid Inhibit Cell Proliferation on MCF-7 and MDA-MB-231 Cells in Monolayer and Spheroid Cultures by Using Apoptosis Pathways?", *Biological Trace Element Research*, 2026.

D4. Sarman E., "Metotreksat Kaynaklı Over Hasarında Crataegus monogyna Etkisinin Araştırılması", *Ahi Evran Tıp Dergisi*, vol. 9, no. 2, pp. 135-141, 2025.

D5. Sarman E., Kocabıyık Ş., Karacif M. B., Karakoyuncu Z. N., Uçar M. S., Sayar A., Yılmaz Ç., "Evaluation of University Students Attitudes towards Traditional and Complementary Medicine Practices: A Study at a University in Türkiye", *International Journal of Traditional and Complementary Medicine Research*, vol. 4, no. 2, pp. 50-57, 2023.

D6. Dinçer R., Baykal T., Doguc D. K., Sarman E., Ceylan D., "MELATONİN AGONİSTİ OLAN RAMELTEONUN METOTREKSAT KAYNAKLI KEMİK TOKSİSİTESİNE KARŞI KORUYUCU ETKİSİ", *SDÜ Tıp Fakültesi Dergisi*, vol. 29, no. 1, pp. 53-58, 2022.

E. Papers presented at national scientific meetings and published in proceedings:

E1. Sarman E., Candan İ. A., Akgöl J., Nazıroğlu İ., Doksorubisin kaynaklı kardiyotoksisitede üzüm (Vitis vinifera L.) çekirdeği ekstraktının koruyucu etkisinin araştırılması, In: *16th National – 2st International Congress of Histology and Embryology (NICHE 2024)*, Sakarya, Türkiye, 2024, pp. 219-226.