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## Research Areas

Health Sciences

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

- I. **CuFe<sub>2</sub>O<sub>4</sub> decorated with BSA as a potential nanoradioenhancer for enhanced X-ray radiation therapy of brain tumor**  
YARAY K., Rashidzadeh H., Mozafari F., Rezaeejam H., Moghaddam Z. K., ERTAŞ Y. N., Danafar H.  
Chemical Papers, vol.77, no.11, pp.7187-7196, 2023 (SCI-Expanded)
- II. **CuFe<sub>2</sub>O<sub>4</sub> decorated with BSA as a potential nanoradioenhancer for enhanced X-ray radiation therapy of brain tumor**  
YARAY K., Rashidzadeh H., Mozafari F., Rezaeejam H., Moghaddam Z. K., ERTAŞ Y. N., Danafar H.  
CHEMICAL PAPERS, no.11, pp.7187-7196, 2023 (SCI-Expanded)
- III. **Evaluation of the radiation protection effectiveness of a lead-free homopolymer in cone beam computed tomography**  
Saribal G. Ş., CANGER E. M., YARAY K.  
Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, vol.136, no.1, pp.91-101, 2023 (SCI-Expanded)
- IV. **Chemoradiation therapy of 4T1 cancer cells with methotrexate conjugated platinum nanoparticles under X-Ray irradiation**  
YARAY K., Norbakhsh A., Rashidzadeh H., Mohammadi A., Mozafari F., Ghaffarlou M., Mousazadeh N., Ghaderzadeh R., Ghorbani Y., Nasehi L., et al.  
Inorganic Chemistry Communications, vol.150, 2023 (SCI-Expanded)
- V. **Preparation of alginate coated Pt nanoparticle for radiosensitization of breast cancer tumor**  
Rashidzadeh H., Seidi F., Ghaffarlou M., Salehiabar M., Charmi J., YARAY K., Nosrati H., ERTAŞ Y. N.  
International Journal of Biological Macromolecules, vol.233, 2023 (SCI-Expanded)
- VI. **Comparison of total body irradiation plus cyclophosphamide with busulfan plus cyclophosphamide as conditioning regimens in patients with acute lymphoblastic leukemia undergoing allogeneic hematopoietic stem cell transplant.**  
Eroglu C., Pala C., KAYNAR L., YARAY K., AKSÖZEN M. T., Bankir M., ZARARSIZ G., ORHAN O., GÜNDOĞ M., YILDIZ O. G., et al.  
Leukemia & lymphoma, vol.54, no.11, pp.2474-9, 2013 (SCI-Expanded)
- VII. **Experimental posterior perforating ocular injury in rabbit eyes: Effects of radiotherapy with or without intravitreal cyclosporin on vitreous proliferation**  
KARAKUCUK S., SOYUER S., Oner A., Soyuer I., Yaray K., Mirza E., Baskol G., Akin A. T.  
OPHTHALMOLOGICA, vol.220, no.1, pp.6-11, 2006 (SCI-Expanded)

- VIII. **Comparison of the effects of laser and ultrasound treatments on experimental wound healing in rats**  
DEMİR H., YARAY S., Kirnap M., YARAY K.  
JOURNAL OF REHABILITATION RESEARCH AND DEVELOPMENT, vol.41, no.5, pp.721-727, 2004 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Enhanced In Vivo Radiotherapy of Breast Cancer Using Gadolinium Oxide and Gold Hybrid Nanoparticles**  
Nosrati H., Salehiabar M., Charmi J., YARAY K., Ghaffarlou M., BALCIOĞLU E., ERTAŞ Y. N.  
ACS Applied Bio Materials, vol.6, no.2, pp.784-792, 2023 (ESCI)
- II. **Evaluation of volumetric modulated arc therapy (VMAT) - based total body irradiation (TBI) in pediatric patients**  
YARAY K., Damulira E.  
REPORTS OF PRACTICAL ONCOLOGY AND RADIOTHERAPY, vol.26, no.4, pp.518-527, 2021 (ESCI)
- III. **The Use of High-Volume Endorectal Balloon is Effective to Reduce Doses of Rectum and Bladder in Prostate Cancer Patients Treated with Linac-Based Stereotactic Body Radiotherapy**  
GÜNDOĞ M., BAŞARAN H., ORHAN O., YARAY K., AKSÖZEN M. T., KIRAZ E., EROĞLU C.  
Turkish Journal of Oncology, vol.35, no.4, pp.451-458, 2020 (ESCI)
- IV. **A Comparative Study of Radiation Doses and Treatment Area Dependence in Thermoluminescence Dosimetry Systems and Metal Oxide Semiconductor Field Effect Transistors**  
Eda K. P., Barlas Us S., YARAY K., EROĞLU C., Bahar D., SOYUER S.  
J Turgut Ozal Med Cent, 2015 (Peer-Reviewed Journal)
- V. **Investigation of the effect of larynx air cavity on Co-60 and 6 MV photon beams**  
Bayraktar D., Yaray K., Orhan O., Çalışır A.  
Sağlık Bilimleri Dergisi, vol.21, no.2, pp.112-119, 2012 (Peer-Reviewed Journal)
- VI. **Calibration of gamma rays with LiF thermoluminescence dosimeters**  
AKSÖZEN M. T., YARAY K., GÜNDOĞ M., EROĞLU C.  
TURK ONKOLOGI DERGISI-TURKISH JOURNAL OF ONCOLOGY, vol.27, no.1, pp.24-28, 2012 (Scopus)

### Refereed Congress / Symposium Publications in Proceedings

- I. **NÖRAL PROGENİTOR HÜCRE KOMPARTMANI HİPOKAMPUS GLİOBLASTOMALI OLGULARDA İNLANMALI MI?**  
ASLAN D., GÜNDOĞ M., YILDIZ O. G., aytekin a., YARAY K., AKSÖZEN M. T., KURTSOY A.  
XII. ULUSAL RADYASYON ONKOLOJİSİ KONGRESİ, Antalya, Turkey, 20 - 24 April 2016
- II. **Comparison of total body irradiation plus cyclophosphamide with busulfan plus cyclophosphamide as conditioning regimens in patients with acute lymphoblastic leukaemia undergoing allogeneic haematopoietic stem cell transplantation**  
EROĞLU C., PALA Ç., KAYNAR L., YARAY K., AKSÖZEN M. T., Bankir M., ZARARSIZ G., ORHAN O., GÜNDOĞ M., YILDIZ Ö., et al.  
39th Annual Meeting of the European-Group-for-Blood-and-Marrow-Transplantation (EBMT), London, Canada, 7 - 10 April 2013, vol.48
- III. **ÜÇ BOYUTLU PROSTAT RADYOTERAPİSİNDE FARKLI AÇI DEĞERLERİNE SAHİP 5 VE 7 ALANLI TEDAVİ TEKNİKLERİNİN KARŞILAŞTIRILMASI**  
AKSÖZEN M. T., YARAY K., MENTEŞ S., LALE A., EROĞLU C., GÜNDOĞ M., ZARARSIZ G., SOYUER S.  
X. ULUSAL RADYASYON ONKOLOJİSİ KONGRESİ, Antalya, Turkey, 19 - 23 April 2012, pp.237-238
- IV. **Üç Boyutlu Konformal Prostat Radyoterapisinde Farklı Açı Değerlerine Sahip 5 ve 7 Alanlı Tedavi Tekniklerinin Karşılaştırılması**  
AKSÖZEN M. T., YARAY K., MENTEŞ S., LALE A., EROĞLU C., GÜNDOĞ M., ZARARSIZ G., SOYUER S.

10. Ulusal Radyasyon Onkoloji Kongresi, Antalya, Turkey, 1 - 04 April 2012, pp.237-238

**V. Co-60 Teleterapi Cihazında Portal Film Kartlarının Oluřturulması**

YILDIRIM S., BORA H., YARAY K., KARAHACIOĐLU E.

2.Ulusal Radyasyon Onkolojisi Kongresi Perissia Hotel / Ürgüp, Ürgüp-Nevşehir, Turkey, 5 - 09 September 1996, pp.163

**VI. Co-60 Teleterapi Ünitesinde, Penumra Alanındaki Radyasyonun Fare Kemik İliđi ve Germinativ Doku Hücreleri Kromozomlarının Etkilerinin Arařtırılması**

ÖZKUL Y., CÜCER N., Temuçin K., Özdamar S., KARAHACIOĐLU E., YARAY K., YILDIRIM S.

XII. Gevher Nesibe Tıp Günleri, Kayseri, Turkey, 11 - 14 May 1994, pp.92

## Supported Projects

HAKTANIR T., SERT H., Project Supported by Higher Education Institutions, 50 MM, 100 MM, VE 150 MM ÇAPLI, BOYU UZUNLUĐUNA EŐİT BETON KAROT NUMUNE BASINÇ, 2009 - 2010

## Metrics

Publication: 25

Citation (WoS): 107

Citation (Scopus): 116

H-Index (WoS): 5

H-Index (Scopus): 5

## Non Academic Experience

Erciyes Üniversitesi Tıp Fakültesi