# Asst. Prof. ÖZLEM DAĞLI

## Personal Information

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## Education Information

Doctorate, Gazi University, Fen Fakültesi, Fizik, Turkey 2000 - 2017

## Dissertations

Doctorate, Gamma knife uygulamalarında dikkate alınmayan inhomojenite etkilerinin araştırılması, Gazi University, Fen Bilimleri Enstitüsü, 2017
Postgraduate, Furanil oksazol ve furanil izoksazol moleküllerinin yapısal, elektronik ve çizgisel olmayan optik özelliklerinin teorik incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, 2008

## Research Areas

Health Sciences, Natural Sciences

## Academic Titles / Tasks

Lecturer, Gazi University, Tıp Fakültesi, Cerrahi Tıp Bilimleri, 2009 - Continues

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

I. **Anterior selective targeting for radiosurgical treatment of trigeminal neuralgia: a cohort study.**
Sozer A., Tufek O. Y., Sahin M. B., Sahin M. C., Dagli Ö., Borcek A. O., Emmez H., Kurt G., Kale A., Aykol S., et al.
Acta neurochirurgica, vol.166, no.1, pp.482, 2024 (SCI-Expanded)

II. **Stereotactic radiosurgery for tumors of the pineal region: A single-center experience**
ZEYNAL M., KARAASLAN B., DAĞLI Ö., BÖRCEK A. Ö., KURT G., KADIOĞLU H. H., EMMEZ Ö. H.
Medicine (United States), vol.102, no.27, 2023 (SCI-Expanded)

III. **A Monte Carlo Study for Soft Tissue Equivalency of Potential Polymeric Biomaterials Used in Carbon Ion Radiation Therapy**
Ekinci F., BOSTANCI G. E., GÜZEL M. S., DAĞLI Ö.
Nuclear Technology, vol.209, no.8, pp.1229-1239, 2023 (SCI-Expanded)

IV. **Effect of different embolization materials on proton beam stereotactic radiosurgery Arteriovenous**

**Malformation dose distributions using the Monte Carlo simulation code**
Ekinci F., Bostanci E., Guzel M. S., Dagli O.
JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCES, vol.15, no.3, pp.191-197, 2022 (SCI-Expanded)

V. **Stereotactic radiosurgery for cerebral cavernous malformation: comparison of hemorrhage rates before and after stereotactic radiosurgery.**
Karaaslan B., Gülsuna B., Erol G., Dağli Ö., Emmez H., Kurt G., Çeltikçi E., Börcek A. Ö.
Journal of neurosurgery, vol.136, no.3, pp.655-661, 2021 (SCI-Expanded)

VI. **Proton Therapy for Mandibula Plate Phantom**
Senirkentli G. B., Ekinci F., Bostanci E., GÜZEL M. S., DAĞLI Ö., Karim A. M., Mishra A.
HEALTHCARE, vol.9, no.2, 2021 (SCI-Expanded)

## Articles Published in Other Journals

I. **Demographics of intracranial metastatic disease patients undergoing radiosurgical treatment**
SÖZER A., ŞAHİN M. Ç., EROL G., tüfekçi o. y., DAĞLI Ö., KARAASLAN B.
Türk Nöroşirürji Dergsi, vol.34, 2024 (Peer-Reviewed Journal)

II. **Simulation based analysis of 4He, 7Li, 8Be and 10B ions for heavy ion therapy**
Ekinci F., BOSTANCI G. E., GÜZEL M. S., DAĞLI Ö.
International Journal of Radiation Research, vol.21, no.1, pp.131-137, 2023 (Scopus)

III. **Recoil Analysis for Heavy Ion Beams**
Ekinci F., Bostancı G. E., Güzel M. S., Dağlı Ö.
Aksaray University Journal of Science and Engineering, vol.6, no.2, pp.123-134, 2022 (Peer-Reviewed Journal)

IV. **ANALYSING THE EFFECT OF A CRANIUM THICKNESS ON A BRAGG PEAK RANGE IN THE PROTON THERAPY: A TRIM AND GEANT4 BASED STUDY**
Ekinci F., Bostanci E., Guzel M. S., Dagil Ö.
ST PETERSBURG POLYTECHNIC UNIVERSITY JOURNAL-PHYSICS AND MATHEMATICS, vol.15, no.2, pp.64-78, 2022 (ESCI)

V. **ANALYSIS OF BRAGG CURVE PARAMETERS AND LATERALSTRAGGLE FOR PROTON AND CARBON BEAMS**
Ekinci F., Dağlı Ö., Bostancı G. E., Güzel M. S.
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, vol.63, pp.32-41, 2021 (Peer-Reviewed Journal)

VI. **GEANT4 BASED DOSIMETRY EVALUATION FOR GAMMA KNIFE USING DIFFERENT PHANTOM MATERIALS**
Dağlı Ö., Bostancı G. E., Emmez Ö. H., Kurt G., Ekinci F., Güzel M. S.
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, vol.63, pp.118-126, 2021 (Peer-Reviewed Journal)

VII. **Analysis of Radiation Dose Distribution Inhomogenity Effects in Gamma Knife Radiosurgery using Geant4**
DAĞLI Ö., TANIR A. G., KURT G.
Journal of Polytechnic, 2020 (ESCI)

## Books & Book Chapters

I. **Geant-4 Monte Carlo Simülasyon Kodu Kullanılarak Farklı Embolizasyon Malzemelerinin Gamma Knife Arteriyovenöz Malformasyon Doz Dağılımları Üzerindeki Etkisinin İstatistiksel Analizi**
Dağlı Ö., Bostancı G. E., Emmez Ö. H., Ekinci F., Börcek A. Ö., Çeltikçi E., Güzel M. S., Karaaslan B.
in: Contemporary Trendsin Human and HealthSciences Research, Prof. Dr. Ali Bilgili, Editor, INSAC kONGRE, Ankara, pp.373-384, 2022

II. **Serebral AVM'lerde Radyocerrahi**
BULDUK E. B., DAĞLI Ö., EMMEZ Ö. H.
in: Nöroradyocerrahi, Peker Selçuk, Emmez Hakan, Editor, Elekta Yayınevi, pp.75-104, 2017

## Refereed Congress / Symposium Publications in Proceedings

I. **Comparison of Different Embolization Materials on Gamma Knife Arteriovenous Malformation Dose Distributions**
DAĞLI Ö., BOSTANCI G. E., EMMEZ Ö. H., EKİNCİ F., TANIR A. G.
4th International Conference on Theoretical and Experimental Studies for Nuclear Applications and Technology (TESNAT), Antalya, Turkey, 20 April 2018

II. **Material Selection for Gamma Knife Phantoms**
Dağlı Ö., Bostancı G. E., Kurt G., Ekinci F., Tanır A. G.
4th International Conference on Theoretical and Experimental Studies for Nuclear Applications and Technology (TESNAT), Antalya, Turkey, 20 April 2018

III. **Geant Based Simulation of Gamma Knife Applications**
Dağlı Ö.
International Conference on Theoretical and Applied Computer Science and Engineering, Ankara, Turkey, 10 November 2017

IV. **Structure, Electronic and Nonlinear Optical Properties of Furyloxazoles and Thienyloxazoles**
DAĞLI Ö., Gok R., BAHAT M., ÖZBAY A.
International Physics Conference at the Anatolian Peak (IPCAP), Erzurum, Turkey, 25 - 27 February 2016, vol.707

## Supported Projects

KAYMAZ A. M., BÖRCEK A. Ö., EMMEZ Ö. H., DAĞLI Ö., ERPOLAT Ö. P., Project Supported by Higher Education Institutions, Gamma Knife Kullanılarak Yapılan Fraksiyonel Tedavilerin Standart Tek Seans Tedavilerle Karşılaştırılması, 2021 - 2024

## Metrics

Publication: 19
Citation (WoS): 14
Citation (Scopus): 11
H-Index (WoS): 2
H-Index (Scopus): 1