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Education Information

Doctorate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Turkey 2004 - 2010

Dissertations

Doctorate, Hacimsel malzemelerin hızlı nötron radyografisi ile tahribatsız analizi, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, 2011

Postgraduate, Tekirdağ'ın çevresel doğal radyoaktivite seviyelerinin belirlenmesi, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, 2004

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, Enerji Enstitüsü, Nükleer Araştırmalar, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multichannel R -matrix analysis of C-12 compound nucleus reactions**
Alaçayır O., Kam E., Yetkin T., Bıyık R., Yalçın T.
PHYSICAL REVIEW C - NUCLEAR PHYSICS, vol.109, no.1, pp.11-19, 2024 (SCI-Expanded)
- II. **Development, characterization and thermo-regulative performance of microencapsulated phase change material included-glass fiber reinforced foam concrete as novel thermal energy effective-building material**
Gencil O., Subasi S., Ustaoglu A., Sarı A., Marasli M., Hekimoğlu G., Kam E.
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- III. **The influence of polyelectrolyte on the synthesis of B4C/BN nanocomposite powders via sol-gel method**
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- IV. **Boron-containing nonwoven polymeric nanofiber mats as neutron shields in compact nuclear fusion reactors**
Özcan M., Kam E., Kaya C., Kaya F.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.6, pp.7441-7450, 2022 (SCI-Expanded)
- V. **THE GROSS ALFA AND GROSS BETA ACTIVITIES OF HOLOCENE MARINE SEDIMENTS AND THE RELATIONSHIP OF THESE ACTIVITIES WITH RADIONUCLIDES IN THE WESTERN MARMARA SEA, TURKEY**
Yumun Z. U., Yenturk M. M., Asliyukse H., Kam E.
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- VI. **Gamma and neutron attenuation characteristics of bricks containing zinc extraction residue as a novel shielding material**
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- VII. **Neutron shielding characteristics of polymer composites with boron carbide**
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JOURNAL OF THE KOREAN PHYSICAL SOCIETY, vol.78, no.7, pp.566-573, 2021 (SCI-Expanded)
- VIII. **THE INVESTIGATION OF TOXIC ELEMENT POLLUTION AND RADIOACTIVITY ANALYSES OF MARINE SEDIMENTS IN THE GULF OF GEMLİK (BURSA, TURKEY)**
Yumun Z. U., KAM E., Dincer A. R., Once M., Yumun S.
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.19, no.2, pp.881-900, 2021 (SCI-Expanded)
- IX. **GEOGRAPHICAL DISTRIBUTION OF TOXIC ELEMENTS IN NORTHEAST MARMARA SEA SEDIMENTS AND ANALYSIS OF TOXIC ELEMENT POLLUTION BY VARIOUS POLLUTION INDEX METHODS (ISTANBUL/TURKEY)**
Kam E., Yumun Z. U.
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.19, no.3, pp.1869-1893, 2021 (SCI-Expanded)
- X. **Distribution of Trace Metals in Street Dusts and Tree Leaves and Their Source Identification in a Mid-Populated Anatolian City**
NUHOĞLU Y., Yazici M., NUHOĞLU Ç., KUZU S. L., Osmanhoglu A. E., KAM E.
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- XI. **Processing and properties of boron carbide (B₄C) reinforced LDPE composites for radiation shielding**
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- XII. **Investigation of nickel-63 radioisotope-powered GaN betavoltaic nuclear battery**
Aydin S., KAM E.
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- XIII. **A portable fast neutron radiography system for non-destructive analysis of composite materials**
KAM E., Reyhancan İ. A., Biyik R.
Nukleonika, vol.64, no.3, pp.97-101, 2019 (SCI-Expanded)
- XIV. **Ecological analysis of heavy metal and radioactivity potential of Holocene sediments in Iznik Lake**
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- XV. **An investigation of anthropogenic pollution in soil samples from residential areas in Erzincan city center and its vicinity by evaluating chemical factors**
YALÇIN P., KAM E., Yumun Z. U., Kurt D.
ARABIAN JOURNAL OF GEOSCIENCES, vol.11, no.22, 2018 (SCI-Expanded)
- XVI. **Developing of an automation for therapy dosimetry systems by using labview software**
Aydin S., KAM E.
RESULTS IN PHYSICS, vol.9, pp.1007-1015, 2018 (SCI-Expanded)
- XVII. **Effects of radionuclides on the recent foraminifera from the clastic sediments of the Canakkale**

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JOURNAL OF AFRICAN EARTH SCIENCES, vol.131, pp.179-182, 2017 (SCI-Expanded)

- XVIII. A multi disciplinary overview of factors controlling on meiofauna assemblages around Maden and Alibey islands in Ayvalik (Balikesir, Eastern Aegean Sea)**
Meric E., Avsar N., NAZİK A., YOKES B., BARUT I. F., Suner F., SARI E., Eryilmaz M., Yucesoy-Eryilmaz F., DORA O., et al.
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- XIX. Meiofauna, microflora and geochemical properties of the late quaternary (Holocene) core sediments in the Gulf of Izmir (Eastern Aegean Sea, Turkey)**
Yumun Z. U., Meric E., AVŞAR N., NAZİK A., BARUT F. İ., Yokes B., SAGULAR E. K., Yildiz A., Eryilmaz M., KAM E., et al.
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- XX. Assessment of gross alpha and beta radioactivity for drinking water in Hatay province, Turkey**
Turgay M. E., Yazici A. N., Taskin H., Kam E., Karahan G.
DESALINATION AND WATER TREATMENT, vol.57, no.11, pp.4960-4965, 2016 (SCI-Expanded)
- XXI. Migration test column for decontamination of radioactive liquids by using natural tuff**
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DESALINATION AND WATER TREATMENT, vol.52, no.34-36, pp.6817-6821, 2014 (SCI-Expanded)
- XXII. Quality control of iodine-131-labeled metaiodobenzylguanidine**
Tasdelen B., Kam E., Asliyukse H.
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- XXIII. Environmental Radioactivity and High Incidence Rates of Stomach and Esophagus Cancer in the Van Lake Region: A Causal Relationship?**
Akan Z., Baskurt B., Asliyukse H., Kam E., Yilmaz A., Yuksel M. B., Biyik R., Esen R., Koca D.
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- XXIV. Natural radioactivity in bottled mineral and thermal spring waters of Turkey**
Taskin H., Asliyukse H., Bozkurt A., Kam E.
RADIATION PROTECTION DOSIMETRY, vol.157, no.4, pp.575-578, 2013 (SCI-Expanded)
- XXV. Cationic dye adsorption by poly(N-isopropylacrylamide/maleic acid) copolymeric hydrogels prepared by gamma rays**
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JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.298, no.3, pp.1469-1476, 2013 (SCI-Expanded)
- XXVI. The adsorption behavior of cesium on poly(N-isopropylacrylamide/itaconic acid) copolymeric hydrogels**
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POLYMER BULLETIN, vol.70, no.11, pp.3041-3053, 2013 (SCI-Expanded)
- XXVII. X-Ray, Gamma, and Neutron Radiation Tests on Epoxy-Ferrochromium Slag Composites by Experiments and Monte Carlo Simulations**
Korkut T., Gencil O., Kam E., Brostow W.
INTERNATIONAL JOURNAL OF POLYMER ANALYSIS AND CHARACTERIZATION, vol.18, no.3, pp.224-231, 2013 (SCI-Expanded)
- XXVIII. A study of environmental radioactivity measurements for Cankiri, Turkey**
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DESALINATION AND WATER TREATMENT, vol.45, no.1-3, pp.21-25, 2012 (SCI-Expanded)
- XXX. Uranyl ion uptake capacity of poly (N-isopropylacrylamide/maleic acid) copolymeric hydrogels prepared by gamma rays**
Kam E., Tasdelen B., Osmanlioglu A. E.

- RADIATION PHYSICS AND CHEMISTRY, vol.81, no.6, pp.618-621, 2012 (SCI-Expanded)
- XXXI. **Investigation of radioactivity level in soil and drinking water samples collected from the city of Erzincan, Turkey**
YALÇIN P., Taskin H., Kam E., Taskin H., Terzi M., Varinlioglu A., Bozkurt A., Bastug A., Tasdelen B.
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- XXXII. **ASSESSMENT OF NATURAL RADIOACTIVITY CONCENTRATIONS AND GAMMA DOSE RATE LEVELS IN KAYSERI, TURKEY**
OTANSEV P., Karahan G., Kam E., Barut I., Taskin H.
RADIATION PROTECTION DOSIMETRY, vol.148, no.2, pp.227-236, 2012 (SCI-Expanded)
- XXXIII. **Determination and calculation of gamma and neutron shielding characteristics of concretes containing different hematite proportions**
Gencil O., Bozkurt A., Kam E., Korkut T.
ANNALS OF NUCLEAR ENERGY, vol.38, no.12, pp.2719-2723, 2011 (SCI-Expanded)
- XXXIV. **A study of background radioactivity level for Canakkale, Turkey**
Kam E., Bozkurt A., ILGAR R.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.168, no.1-4, pp.685-690, 2010 (SCI-Expanded)
- XXXV. **A STUDY OF BACKGROUND RADIOACTIVITY LEVEL FOR TEKIRDAG, TURKEY**
Kam E., Yazar Y., Bozkurt A.
RADIATION PROTECTION DOSIMETRY, vol.138, no.1, pp.40-44, 2010 (SCI-Expanded)
- XXXVI. **Morphological abnormalities in benthic foraminifers of the Antalya coast**
Meriç E., AVŞAR N., Yokeş M. B., Tuğrul A. B., Bayari S., Özyurt N., BARUT F. İ., ÖZDELİCE N., UYSAL K., Kam E.
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- XXXVII. **Assessment of environmental radioactivity for Sanliurfa region of southeastern Turkey**
Bozkurt A., Yorulmaz N., Kam E., Karahan G., Osmanlioglu A. E.
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- XXXVIII. **Assessment of background radioactivity level for Gaziantep region of southeastern Turkey**
Osmanlioglu A. E., Kam E., Bozkurt A.
RADIATION PROTECTION DOSIMETRY, vol.124, no.4, pp.407-410, 2007 (SCI-Expanded)
- XXXIX. **Environmental radioactivity measurements in Kastamonu region of northern Turkey**
Kam E., Bozkurt A.
APPLIED RADIATION AND ISOTOPES, vol.65, no.4, pp.440-444, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **Occupational Radition Dose of Personal in Pediatric Interventional Cardiology**
Hışıroğlu Ayar K., KAM E., YAŞAR D.
Journal of Engineering Technology and Applied Sciences, vol.8, no.1, pp.49-58, 2023 (Peer-Reviewed Journal)
- II. **MARMARA DENİZİ'NDE DENİZ SALYASI (MÜSİLA) OLUŞMA NEDENLERİ VE ALINMASI GEREKEN ÖNLEMLER**
Yümün Z. Ü., Kam E., Önce M.
Çevre Şehir ve İklim Dergisi, vol.2, no.3, pp.98-115, 2023 (Peer-Reviewed Journal)
- III. **Investigation of Heavy Metal Concentrations in The Gulf of Izmit (Marmara Sea) Altinova Shipyard Region**
Bayrak K., Kam E., Yümün Z. Ü., Önce M.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.9, no.4, pp.1263-1276, 2022 (Scopus)
- IV. **Analyses of Heavy Metals in Sea Sediments from the Izmir Karaburun Region**
KAM E., Çakar M., YÜMÜN Z. Ü.
Cihannuma Dayanisma ve Isbirligi Dernegi, vol.1, 2022 (Peer-Reviewed Journal)
- V. **Exposed Gamma Doses in air and Assessment of Cancer Risk around Gebze (Kocaeli/Turkey) Region**
TURGAY M. E., Acara z., YÜMÜN Z. Ü., Artun A., KAM E.

Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.25, pp.139-144, 2021 (Peer-Reviewed Journal)

- VI. **Investigation of Sediment Records of Kulakçayiri Lake**
KAM E., YÜMÜN Z. Ü., AÇIKGÖZ G., ÖNCE M.
Journal of Engineering Technology and Applied Sciences, vol.6, no.3, pp.135-142, 2021 (Peer-Reviewed Journal)
- VII. **EVALUATION OF EXCESS LIFETIME CANCER RISK CAUSED BY EXTERNAL EXPOSURE DUE TO NATURAL RADIOACTIVITY IN BOLU, TURKEY**
Ates N. Z., BAYRAK K., Turgay M. E., KAM E.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.38, no.2, pp.945-954, 2020 (ESCI)
- VIII. **Radionuclide potential of holocene sediments in the west of marmara sea (Turkey)**
Yümün Z. Ü., KAM E.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.7, no.2, pp.517-524, 2020 (Scopus)
- IX. **Gamma dose values of stratigraphic units of behramkale (çanakale) - Zeytinli (edremit-balikesir) section of kaz mountains**
Yümün Z. Ü., KAM E., Önce M.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.7, no.1, pp.207-214, 2020 (Scopus)
- X. **GAMMA DOSE VALUES OF STRATIGRAPHIC UNITS SURFACED IN BEHRAMKALE (ÇANAKKALE) - ZEYTİNLİ (EDREMİT-BALIKESİR) SECTION OF KAZ MOUNTAINS**
YÜMÜN Z. Ü., KAM E., ÖNCE M.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.7, no.1, pp.207-214, 2019 (Scopus)
- XI. **ENVIRONMENTAL ANALYSIS OF TOXIC ELEMENT WITH ICP-OES AND LIBS METHODS IN MARINE SEDIMENTS AROUND THE SEA OF MARMARA IN KAPIDAĞ PENINSULA**
YÜMÜN Z. Ü., KAM E., ÖNCE M.
Journal of Engineering Technology and Applied Sciences, vol.4, no.1, pp.43-50, 2019 (Peer-Reviewed Journal)
- XII. **ENVIRONMENTAL ANALYSIS OF TOXIC ELEMENT WITH ICP-OES AND LIBS METHODS IN MARINE SEDIMENTS AROUND THE SEA OF MARMARA IN KAPIDAĞ PENINSULA**
YÜMÜN Z. Ü., KAM E., ÖNCE M.
Journal of Engineering Technology and Applied Sciences, vol.4, no.1, pp.43-50, 2019 (Peer-Reviewed Journal)
- XIII. **Concentrations of environmental radioactivity in sediment cores from kulakçayiri lake**
KAM E., YUMUN Z. U., ACIKGOZ G., BAYRAK K.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, no.3, pp.1371-1374, 2018 (Scopus)
- XIV. **Determining Natural Radiation Level in River Water of Upper Euphrates (Karasu) Basin's Part Located in Erzincan Province Borders**
YALÇIN P., KAVAZ M., YILDIRIM M., KAM E.
Journal of Physical Science and Application, vol.8, no.2, pp.43-52, 2018 (Peer-Reviewed Journal)
- XV. **The effect of submarine thermal springs of Doğanbey Cape (Seferihisar - İzmir) on foraminifer, ostracod and mollusc assemblages Doğanbey Burnu (Seferihisar-İzmir) denizdibi termalsu kaynaklarının foraminifer, ostrakod ve mollusk topluluğuna etkisi**
Meriç E., BARUT F. İ., NAZİK A., AVŞAR N., Yokeş M. B., Eryılmaz M., Yücesoy-Eryılmaz F., KAM E., Sonuvar B., Dinçer F.
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- XVI. **The effect of submarine thermal springs of Doganbey Cape (Seferihisar - Izmir) on foraminifer, ostracod and mollusc assemblages**
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BULLETIN OF THE MINERAL RESEARCH AND EXPLORATION, vol.156, pp.87-115, 2018 (ESCI)
- XVII. **Gross Alpha and Gross Beta Activity Concentrations in Sediments in Gulf of Izmir (Eastern Aegean Sea, Turkey)**
KAM E., YÜMÜN Z. Ü., KURT D.
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- XVIII. **THE ORIGIN OF THE TOTAL ALPHA AND BETA RADIATION VALUES OF THE WATERS OF ÇANAKKALE STRAIT (ÇANAKKALE/TURKEY)**
KAM E., ÖNCE M., YÜMÜN S.
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KAM E., ÖNCE M., YÜMÜN S.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.4, pp.729-738, 2017 (Peer-Reviewed Journal)
- XX. **Doğu Ege Denizi'nde (Ildır-İzmir, Akköy-Aydın Ve Güllükmuğla) Balık Çiftliklerinin Foraminifer Ve Ostrakod Topluluklarına Etkisi (The Effect of the Fish Farms on the Faunal Assemblages in the Eastern Aegean Sea (Ildır-İzmir, Akköy-Aydın and Güllük-Muğla)).**
MERİÇ E., AVŞAR N., NAZİK A., YOKEŞ B., BARUT İ., ERYILMAZ M., DİNÇER F., KAM E., SONUVAR B., BAYKAL K.
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- XXI. **Gamma Dose Rate Values In The Kulakçayiri Natural Lake And The Vicinity Arnavutköy İstanbul**
KAM E., YÜMÜN Z. Ü., Önce M., Açıkgoz G.
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- XXII. **Distribution of gamma radiation levels in core sediment samples in Gulf of İzmir Eastern Aegean Sea Turkey**
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- XXIII. **Natural Radioactivity in Foods Consumed in Turkey**
KAM E., Karahan G., ASLIYÜKSEK H., BOZKURT A.
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- XXIV. **Natural Radioactivity in Foods Consumed in Turkey**
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- XXV. **Observed New Findings by Paleontological Data in Hidden Cove on the Northeast of Gökçeada**
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- XXVI. **A New TLD Holder for External Radiotherapy Beam Audit**
Doğan Y., DEMİR B., KAM E., Karahan G., OKUTAN M.
SDU Journal of Science, vol.8, no.1, pp.92-99, 2013 (Peer-Reviewed Journal)
- XXVII. **Effects of Oceanographic Properties to the Meiofauna Assemblages The North Coasts of Karaburun Peninsula Eastern Aegean Sea**
barut i., MERİÇ E., KAM E., AVŞAR N., NAZİK A.
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- XXVIII. **Karaburun Yarımadası kuzey kıyılarının oşinografik özelliklerinin bentik foraminifer ve ostrakod toplulukları üzerindeki etkileri.**
MERİÇ E., AVŞAR N., NAZİK A., YOKEŞ B., Dora Ö., BARUT F. İ., ERYILMAZ M., DİNÇER F., KAM E., AKSU A., et al.
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- XXIX. **Ilıca Bay Çeşme İzmir Benthic Foraminifer Ostracod Assemblages and Pacific Ocean Red Sea Originated Foraminifera and Abnormal Individuals**
MERİÇ E., AVŞAR N., YOKES B., BARUT F. İ., NAZİK A., ERYILMAZ M., KAM E., TAŞKIN H., BAŞSARI A., BİRCAN C., et al.
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- XXX. **The Influences of Oceanographical Characteristics of The North Coasts of Karaburun Peninsula on**

The Benthic Foraminiferal and Ostracod Assemblages

MERIC E., AVŞAR N., NAZİK A., YOKEŞ M. B., BARUT F. İ., DİNÇER F., KAM E., ERYILMAZ M., BAŞSARI A., KILIÇARSLAN A., et al.

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XXXI. **Abnormal test formations observed in the benthic foraminifers from recent sediments of Alibey and Maden Islands (Ayvalık-Balıkesir)**

MERİÇ E., AVŞAR N., MEKİK F., YOKEŞ B., BARUT F. İ., Dora Ö., SUNER F., YÜCESOY ERYILMAZ F., ERYILMAZ M., DİNÇER F., et al.

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XXXII. **Abnormal Test Formations Observed in the Benthic Foraminifers from Recent Sediments of Alibey and Maden Islands Ayvalık Balıkesir**

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XXXIII. **Harmantaşı Mevki deniziçi kaynaklari çevresindeki foraminifer ve ostrakod topluluğuna bu alandaki çevresel koşularin etkisi**

Meriç E., Avşar N., Nazik A., Tunoğlu C., Yokeş M. B., Barut F. İ., Yücesoy Eryılmaz F., Tuğrul B., Görmüş M., Öncel M. S., et al.

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Meric E., AVŞAR N., NAZİK A., TUNOLU C., YOKEŞ M. B., barut i., YÜCESOY ERYILMAZ F., TUĞRUL A. B., GÖRMÜŞ M., ÖNCEL M. S., et al.

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Books & Book Chapters

I. **MARMARA DENİZİ'NDE MÜSİLAJ SORUNU VE ÇÖZÜM YÖNTEMLER**

KAM E., YÜMÜN Z. Ü.

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