

# **Prof. ENGİN TIRAŞOĞLU**

## **Personal Information**

**Office Phone:** [+90 462 377 2555](tel:+904623772555)

**Email:** engint@ktu.edu.tr

**Web:** <https://avesis.ktu.edu.tr//engint>

## **International Researcher IDs**

ScholarID: LJ-MiXEAQAAJ

ORCID: 0000-0001-7953-5638

Publons / Web Of Science ResearcherID: ABC-2801-2020

ScopusID: 8629035500

Yoksis Researcher ID: 2415

## **Education Information**

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Turkey 1998 - 1998

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Turkey 1990 - 1990

Undergraduate, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi, Turkey 1982 - 1982

## **Foreign Languages**

English, B1 Intermediate

## **Research Areas**

Physics, Atomic and Molecular Physics, Theory of Atoms and Molecules, Nuclear physics, Radioactive decay and in-beam spectroscopy, Natural Sciences

## **Academic Titles / Tasks**

Professor, Karadeniz Technical University, Fen Fakültesi, Fizik, 2006 - Continues

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Fizik, 1994 - 2020

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Fizik, 2000 - 2006

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

### **I. Demonstration of better superconducting performance in a solder with low lead content**

Aksoy C., Cakir B., Koparan E. T., Simsek C., Tiraşoğlu E., Speller S., Grovenor C. R. M., Küçükömeroğlu T., Yanmaz E. SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.36, no.1, 2023 (SCI-Expanded)

### **II. Evaluation of ecological risk, source, and spatial distribution of some heavy metals in marine sediments in the Middle and Eastern Black Sea region, Turkey**

Apaydin A., Kabaoglu H., APAYDIN G., ŞİRİN M., Cengiz E., Koksal O. K., BALTAŞ H., TIRAŞOĞLU E.

- ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.5, pp.7053-7066, 2022 (SCI-Expanded)
- III. Determination of L-shell fluorescence parameters of thallium in thallium compounds  
Cengiz E., TIRAŞOĞLU E., APAYDIN G., Koksal O. K.  
SPECTROSCOPY LETTERS, vol.54, no.4, pp.274-280, 2021 (SCI-Expanded)
- IV. Determination of trace elements in cabbage (*Brassica oleracea* L.var.*acephale*) and its grown soil at the Black sea region in Turkey  
AKSOY C., Kabaoğlu H., ŞAHİN TİMAR Z., Binay E., Aksoy H., TIRAŞOĞLU E.  
Spectroscopy Letters, vol.53, pp.671-684, 2020 (SCI-Expanded)
- V. Elemental Analysis of Tea Leaves (*Camellia Sinensis*) and Their Own Soils at Eastern Black Sea Region in Turkey  
AKSOY C., Kabaoglu H., Apaydin G., Safi A., Tirasoglu E.  
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- VI. The semi-empirical determination of KLL Auger, K-alpha 1 and K-alpha 2 X-ray line widths for sulfur atom in new 1,2,4-triazol compounds containing thiophene ring  
AYLIKCI N. K., Sancak K., Aylıkci V., Tirasoglu E., Unluer D., Depci T.  
CHEMICAL PHYSICS LETTERS, vol.706, pp.40-46, 2018 (SCI-Expanded)
- VII. K X-ray fluorescence parameters of peripherally and non-peripherally tetra-substituted zinc (II) phthalocyanines  
Cengiz E., DOĞAN M., BIYIKLIOĞLU Z., CAKIR D., TIRAŞOĞLU E., APAYDIN G.  
CANADIAN JOURNAL OF PHYSICS, vol.95, no.2, pp.125-129, 2017 (SCI-Expanded)
- VIII. Structure Effect on K Shell Fluorescence Parameters at Bis-4-Bromobenzy1-1, 2, 4-Triazol-3-Ones  
Aylıkci V., ÜNVER Y., Aylıkci N. K., TIRAŞOĞLU E., SANCAK K., LAGAP Z.  
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.36, no.12, pp.4120-4124, 2016 (SCI-Expanded)
- IX. Measurement of L-III Subshell Absorption Jump Parameters of Hafnium  
CENGİZ E., Sarıtaş N., Dogan M., KÖKSAL O. K., Karabulut K., APAYDIN G., Tiraşoğlu E.  
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.35, pp.3544-3548, 2015 (SCI-Expanded)
- X. L shell X-ray fluorescence parameters of Pb in phthalocyanine complexes  
Dogan M., Cengiz E., Nas A., Tiraşoğlu E., Kantekin H., Aylıkci V.  
APPLIED RADIATION AND ISOTOPES, vol.104, pp.43-48, 2015 (SCI-Expanded)
- XI. The fluorescence parameters of Zr and Sb compounds  
Aksoy C., DOĞAN M., TIRAŞOĞLU E.  
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- XII. K shell X-ray fluorescence parameters of Co, Ni, Cu and Zn in phthalocyanine complexes  
Dogan M., Cengiz E., Dilber G., Nas A., Tiraşoğlu E., Kantekin H.  
RADIATION PHYSICS AND CHEMISTRY, vol.101, pp.30-35, 2014 (SCI-Expanded)
- XIII. Alloying effect on K-shell fluorescence parameters of porous NiTi shape memory alloys  
Cengiz E., Ozkendir O. M., Kaya M., TIRAŞOĞLU E., Karahan I. H., Kimura S., Hajiri T.  
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA, vol.192, pp.55-60, 2014 (SCI-Expanded)
- XIV. Traces of Defects in the Electronic Structure of Porous Ni-Ti Alloys  
Ozkendir O. M., Cengiz E., TIRAŞOĞLU E., Kaya M., Karahan I. H., Orhan N.  
JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY, vol.29, no.4, pp.344-348, 2013 (SCI-Expanded)
- XV. Structure and anion effect on conductivity and K and L shell fluorescence parameters at green solvents  
Aylıkci V., ÜNVER Y., Dugdu E., TIRAŞOĞLU E., Aylıkci N. K., Unluer D., SANCAK K., Kahoul A., Dogan M., Cengiz E., et al.  
CHEMICAL PHYSICS LETTERS, vol.556, pp.365-371, 2013 (SCI-Expanded)
- XVI. Determination of K shell fluorescence cross-section and K-beta/K-alpha intensity ratios for Fe, Se, Te, FeSe, FeTe and TeSe  
Saydam M., AKSOY C., Cengiz E., Alasalvar C., TIRAŞOĞLU E., APAYDIN G.  
RADIATION PHYSICS AND CHEMISTRY, vol.81, no.12, pp.1837-1841, 2012 (SCI-Expanded)
- XVII. Calculation of vacancy transfer probabilities from K to L shell using the X-ray fluorescence

**parameters**

APAYDIN G., TIRAŞOĞLU E.

RADIATION PHYSICS AND CHEMISTRY, vol.81, no.10, pp.1593-1594, 2012 (SCI-Expanded)

- XVIII. **Reply to comments on 'The investigations on K and L X-ray fluorescence parameters of gold compounds'**

Cengiz E., Aylıkci V., TIRAŞOĞLU E., APAYDIN G.

RADIATION PHYSICS AND CHEMISTRY, vol.81, no.2, pp.143-145, 2012 (SCI-Expanded)

- XIX. **Chemical effects on the L-shell X-ray fluorescence parameters of Ta and W compounds**

AKSOY C., TIRAŞOĞLU E., Cengiz E., APAYDIN G., Saydam M., Aylıkci V., Aylıkci N. K.

JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA, vol.184, pp.556-560, 2012 (SCI-Expanded)

- XX. **Effect of pH treatment on K-shell x-ray intensity ratios and K-shell x-ray-production cross sections in ZnCo alloys**

Aylıkci N. K., Aylıkci V., Kahoul A., TIRAŞOĞLU E., Karahan I. H., Cengiz E.

PHYSICAL REVIEW A, vol.84, no.4, 2011 (SCI-Expanded)

- XXI. **Measurement of K-shell jump ratios and jump factors for some elements in  $76 \leq Z \leq 92$  using EDXRF spectrometer**

KAYA N. S., APAYDIN G., TIRAŞOĞLU E.

RADIATION PHYSICS AND CHEMISTRY, vol.80, no.6, pp.677-681, 2011 (SCI-Expanded)

- XXII. **K-shell X-ray fluorescence parameters of some heavy elements and compounds**

Cengiz E., TIRAŞOĞLU E., APAYDIN G., Aylıkci V., Aylıkci N. K., AKSOY C.

RADIATION PHYSICS AND CHEMISTRY, vol.80, no.3, pp.328-334, 2011 (SCI-Expanded)

- XXIII. **Alloying effect on K X-ray intensity ratios, K X-ray production cross-sections and radiative Auger ratios in superalloys constitute from Al, Ni and Mo elements**

Aylıkci N. K., TIRAŞOĞLU E., Karahan I. H., Aylıkci V., Eskil M., Cengiz E.

CHEMICAL PHYSICS, vol.377, pp.100-108, 2010 (SCI-Expanded)

- XXIV. **Investigation on L-shell X-ray fluorescence parameters for heavy elements and compounds**

CENGİZ E., TIRAŞOĞLU E., Aylıkci V., APAYDIN G., Aylıkci N. K.

CHEMICAL PHYSICS LETTERS, vol.498, pp.107-112, 2010 (SCI-Expanded)

- XXV. **The investigations on K and L X-ray fluorescence parameters of gold compounds**

Cengiz E., TIRAŞOĞLU E., Aylıkci V., APAYDIN G.

RADIATION PHYSICS AND CHEMISTRY, vol.79, no.8, pp.809-815, 2010 (SCI-Expanded)

- XXVI. **Analysis of Metal Contents of Seaweed (*Ulva lactuca*) from Istanbul, Turkey by EDXRF**

APAYDIN G., Aylıkci V., Cengiz E., Saydam M., Kup N., TIRAŞOĞLU E.

TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.10, no.2, pp.215-220, 2010 (SCI-Expanded)

- XXVII. **Chemical Effect on K Shell X-ray Fluorescence Parameters and Radiative Auger Ratios of Co, Ni, Cu, and Zn Complexes**

Cengiz E., BIYIKLIOĞLU Z., AYLIKCI N. K., AYILKCI V., APAYDIN G., TIRAŞOĞLU E., KANTEKİN H.

CHINESE JOURNAL OF CHEMICAL PHYSICS, vol.23, no.2, pp.138-144, 2010 (SCI-Expanded)

- XXVIII. **Alloying effect on K shell X-ray fluorescence parameters and radiative Auger ratios of Co and Zn in  $ZnxCo_{1-x}$  alloys**

Aylıkci N. K., TIRAŞOĞLU E., Karahan I. H., Aylıkci V., Cengiz E., APAYDIN G.

CHEMICAL PHYSICS LETTERS, vol.484, pp.368-373, 2010 (SCI-Expanded)

- XXIX. **Analysis of Trace Element Concentrations of Some Lichens of Turkey**

ASLAN A., Apaydin G., YAZICI K., Cengiz E., Aylıkçı V., TIRAŞOĞLU E.

ASIAN JOURNAL OF CHEMISTRY, vol.22, no.1, pp.389-400, 2010 (SCI-Expanded)

- XXX. **Influence of chemical effect on the K-shell X-ray production cross-sections and radiative Auger ratios of Zn complexes**

AYLIKCI V., BIYIKLIOĞLU Z., CENGİZ E., AYLIKCI N. K., APAYDIN G., AKSOY C., TIRAŞOĞLU E., KANTEKİN H.

CHEMICAL PHYSICS, vol.365, no.3, pp.144-149, 2009 (SCI-Expanded)

- XXXI. **Influence of alloying effect on X-ray fluorescence parameters of Co and Cu in CoCuAg alloy films**

AYLIKCI N. K., TIRAŞOĞLU E., Apaydin G., Cengiz E., Aylıkçı V., Bakkaloglu O. F.

- CHEMICAL PHYSICS LETTERS, vol.475, pp.135-140, 2009 (SCI-Expanded)
- XXXII. **Studies on mass attenuation coefficients, effective atomic numbers and electron densities for CoCuAg alloy thin film**  
APAYDIN G., Cengiz E., TIRAŞOĞLU E., Aylıkci V., Bakkaloglu O. F.  
PHYSICA SCRIPTA, vol.79, no.5, 2009 (SCI-Expanded)
- XXXIII. **Measurement of L subshell fluorescence yields of some elements in the atomic range  $75 \leq Z \leq 92$  using photoionization**  
Sogut O., APAYDIN G., ŞİMŞEK Ö., CENGİZ E., Saydam M., Kup N., TIRAŞOĞLU E.  
RADIATION PHYSICS AND CHEMISTRY, vol.78, no.5, pp.307-310, 2009 (SCI-Expanded)
- XXXIV. **Investigation by XRF and XRD of Zn and Fe in Fe<sub>x</sub>Zn<sub>1-x</sub> thin films**  
Sogut O., Butun H., Karahan I. H., TIRAŞOĞLU E., APAYDIN G.  
PHYSICA SCRIPTA, vol.78, no.6, 2008 (SCI-Expanded)
- XXXV. **Influence of Chemical Effect on the K-beta/K-alpha Intensity Ratios and K-beta Energy Shift of Co, Ni, Cu, and Zn Complexes**  
APAYDIN G., AYLIKCI V., BIYIKLIOĞLU Z., TIRAŞOĞLU E., KANTEKİN H.  
CHINESE JOURNAL OF CHEMICAL PHYSICS, vol.21, no.6, pp.591-595, 2008 (SCI-Expanded)
- XXXVI. **An L(III) (2P(3/2)) subshell absorption jump ratio and jump factor for bismuth**  
KAYA N. S., KOBYA A. I., TIRAŞOĞLU E., APAYDIN G.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.41, no.22, 2008 (SCI-Expanded)
- XXXVII. **Chemical effects on K and L shell production cross sections and transfer probabilities in Nb compounds**  
Cengiz E., Aylıkci V., KAYA N. S., APAYDIN G., TIRAŞOĞLU E.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.278, no.1, pp.89-96, 2008 (SCI-Expanded)
- XXXVIII. **Influence of functional group effect on the K-shell X-ray production cross-sections and average fluorescence yields of sulphur in 1,2,4-triazol-5-one compounds containing thiophene**  
Aylıkci V., Cengiz E., APAYDIN G., ÜNVER Y., SANCAK K., TIRAŞOĞLU E.  
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- XXXIX. **Determination of K shell X-ray intensity ratios for some heavy elements**  
APAYDIN G., Aylıkci V., Cengiz E., KAYA N. S., Kobyay Y., TIRAŞOĞLU E.  
RADIATION PHYSICS AND CHEMISTRY, vol.77, no.8, pp.923-927, 2008 (SCI-Expanded)
- XL. **Measurement of L shell X-ray production and average L shell fluorescence yields for some heavy elements at 123.6 keV**  
APAYDIN G., Aylıkci V., KAYA N. S., CENGİZ E., TIRAŞOĞLU E.  
ACTA PHYSICA POLONICA A, vol.113, no.6, pp.1629-1638, 2008 (SCI-Expanded)
- XLI. **Investigation of Coster-Kronig transition probabilities (L-1 → L-2, L-1 → L-3, and L-2 → L-3) for Hf and Hf compounds**  
Cengiz E., APAYDIN G., Aylıkci V., Kaya N., TIRAŞOĞLU E.  
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, vol.77, no.5, 2008 (SCI-Expanded)
- XLII. **Determination of K shell absorption jump factors and jump ratios in the elements between Tm(Z=69) and Os(Z=76) by measuring K shell fluorescence parameters**  
KAYA N. S., TIRAŞOĞLU E., APAYDIN G.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.266, no.7, pp.1043-1048, 2008 (SCI-Expanded)
- XLIII. **Measurement of angular dependence of M X-ray production cross-sections in Re, Bi and U at 5.96 keV**  
APAYDIN G., TIRAŞOĞLU E., Sogut O.  
EUROPEAN PHYSICAL JOURNAL D, vol.46, no.3, pp.487-492, 2008 (SCI-Expanded)
- XLIV. **K shell, L shell-subshell and M shell-subshell photoeffect cross-sections in elements between Tb (Z=65) and U (Z=92) at 123.6 keV**  
KAYA N. S., APAYDIN G., AYLIKCL V., CENGİZ E., TIRAŞOĞLU E.  
RADIATION PHYSICS AND CHEMISTRY, vol.77, no.2, pp.101-106, 2008 (SCI-Expanded)

- XLV. K-shell absorption jump factors and jump ratios in elements between Tm (Z=69) and Os (Z=76) derived from new mass attenuation coefficient measurements**  
 Kaya N., Tirasoglu E., Apaydin G., Aylıkçı V., Cengiz E.  
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.262, no.1, pp.16-23, 2007 (SCI-Expanded)
- XLVI. Chemical effect on the K and L shell intensity ratios of Hf compounds**  
 Aylıkçı V., Tirasoglu E., Apaydin G., Kaya N., CENGIZ E.  
 PHYSICA SCRIPTA, vol.76, no.1, pp.31-36, 2007 (SCI-Expanded)
- XLVII. Chemical effect on the L X-ray cross-sections and average fluorescence yields of Hf compounds**  
 Aylıkçı V., Apaydin G., Tirasoglu E., Kaya N., CENGIZ E.  
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- XLVIII. Measurement of K shell fluorescence cross-section of Ca and K compounds**  
 Tirasoglu E., Sogut O., TEKBIYIK A., Apaydin G., ERTUGRUL B.  
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- XLIX. Elemental concentration analysis in some plant samples by EDXRF at Trabzon**  
 Tirasoglu E., Sogut O., Apaydin G., Aylıkçı V., DAMLA N.  
 JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.102, no.3, pp.396-401, 2006 (SCI-Expanded)
- L. Measurements of K shell X-ray production cross sections and fluorescence yields of elements in the atomic number range 65 <= Z <= 92 at 123.6 keV**  
 Apaydin G., Tiraşoğlu E.  
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.246, no.2, pp.303-308, 2006 (SCI-Expanded)
- LI. Determination of probabilities of vacancy transfer from K to L shell using K X-ray intensity ratios**  
 ERTUGRAL B., APAYDIN G., TEKBIYIK A., TIRASOGLU E., Cevik U., KOBYA A. İ., ERTUGRUL M.  
 EUROPEAN PHYSICAL JOURNAL D, vol.37, no.3, pp.371-375, 2006 (SCI-Expanded)
- LII. Determination of trace elements in cole (*Brassica oleraceae* var. *acephale*) at Trabzon region in Turkey**  
 TIRASOGLU E., Cevik U., ERTUGRAL B., APAYDIN G., BALTAS H., ERTUGRUL M.  
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- LIII. Total M shell X-ray production cross sections and average fluorescence yields in 11 elements from Tm to U at photon energy of 5.96 keV**  
 APAYDIN G., TIRASOGLU E., Cevik U., ERTUGRAL B., BALTAS H., ERTUGRUL M., KOBYA A. İ.  
 RADIATION PHYSICS AND CHEMISTRY, vol.72, no.5, pp.549-554, 2005 (SCI-Expanded)
- LIV. Mass attenuation coefficients of YBaCuO and BiPbSrCaCuO superconductors at 511, 661 and 1274keV energies**  
 BALTAS H., Cevik U., TIRASOGLU E., ERTUGRAL B., APAYDIN G., KOBYA A. İ.  
 RADIATION MEASUREMENTS, vol.39, no.1, pp.33-37, 2005 (SCI-Expanded)
- LV. Analysis of elements in some lichens by radioisotope X-ray fluorescence spectrometry**  
 ASLAN A., BUDAK G., TIRASOGLU E., KARABULUT A., KARAGOZ Y. S., APAYDIN G., ERTUGRAL B., Cevik U.  
 FRESENIUS ENVIRONMENTAL BULLETIN, vol.13, no.8, pp.740-747, 2004 (SCI-Expanded)
- LVI. Chemical effects on L-alpha, L-beta, L-gamma, L-I, and L-eta X-ray production cross-sections and L-i/L-alpha X-ray intensity ratios of Hg, Pb, and Bi compounds at 59.54 keV**  
 TIRASOGLU E., Cevik U., ERTUGRAL B., APAYDIN G., ERTUGRUL M., KOBYA A. İ.  
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- LVII. Measurement of diffusion coefficients of Ag in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> by the EDXRF technique**  
 DOGAN O., ERTUGRUL M., Cevik U., BACAKSIZ E., TIRASOGLU E., KOBYA A. İ., ERDOGAN H.  
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- LVIII. Elemental analysis of Akcaabat tobacco and its ash by EDXRF spectrometry**

- Cevik U., ERGEN E., BUDAK G., KARABULUT A., TIRASOGLU E., APAYDIN G., KOPYA A.  
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- LIX. **Measurement of K to L shell vacancy transfer probabilities for the elements 52 <= Z <= 68**  
 ERTUGRAL B., Cevik U., TIRASOGLU E., KOPYA A., ERTUGRUL M., DOGAN O.  
 JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.78, no.2, pp.163-169, 2003 (SCI-Expanded)
- LX. **Measurements of L-l, L-alpha, L-eta, L-beta and L-gamma X-ray fluorescence cross-sections in 70 <= Z <= 92 elements excited by 59.543 keV photons**  
 TIRASOGLU E., Cevik U., ERTUGRAL B., ATALAY Y., KOPYA A.  
 RADIATION PHYSICS AND CHEMISTRY, vol.60, pp.11-16, 2001 (SCI-Expanded)
- LXI. **Levels of cesium radionuclides in lichens and mosses from the province of Ordu in the Eastern Black Sea area of Turkey**  
 SAKA A., Cevik U., BACAKSIZ E., KOPYA A., TIRASOGLU E.  
 JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.222, pp.87-92, 1997 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Analysis the Metal Composition of Fish Samples Collected From Karacaören II Dam Lake**  
 Köksal O. K., Apaydin G., Cengiz E., Şirin M., Baltaş H., Çakmak E., Tiraşoğlu E.  
 JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.9, no.1, pp.74-81, 2024 (Peer-Reviewed Journal)
- II. **Exploration of Seasonal Metal Pollution in Karacaören II Dam Lake Sediment Samples using X-ray Fluorescence Method**  
 APAYDIN G., KÖKSAL O. K., BALTAŞ H., ŞİRİN M., CENGİZ E., TIRAŞOĞLU E.  
 CUMHURIYET SCIENCE JOURNAL, vol.44, pp.567-582, 2023 (Peer-Reviewed Journal)
- III. **Analysis of Ca, K and Fe Element in Some Medicinal and Aromatic Plants and Fungal Specimens Growing in Ordu (Mesudiye ve Kabadüz) Plateaus**  
 AKSOY C., AKSOY H., TIRAŞOĞLU E., ÜÇLER A. Ö.  
 Turkish Journal of Agriculture-Food Science and Technology, vol.8, no.3, pp.694-697, 2020 (Peer-Reviewed Journal)
- IV. **M Shell Fluorescence Parameters of Pt, Au and Tl Compounds with Oxygen and Bromide**  
 KÜP AYLIKCI N., AYLIKCI V., TIRAŞOĞLU E., DEPCİ T.  
 Adiyaman University Journal of Science, vol.9, no.2, pp.274-279, 2019 (Peer-Reviewed Journal)
- V. **Assessment of natural radioactivity and radiological risk of sediment samples in Karacaören II dam Lake, Isparta/Turkey**  
 APAYDIN G., KÖKSAL O. K., Cengiz E., TIRAŞOĞLU E., Baltaş H., Karabulut K., SÖZÜT Ö.  
 ALKU Journal of Science, no.1, pp.28-35, 2019 (Peer-Reviewed Journal)
- VI. **The Determination of M Shell Average Fluorescence Parameters From 70Yb to 92U and of Hg, Pb and Bi Compounds Using 5.96 keV Photons**  
 KÜP AYLIKCI N., Kahoul A., AYLIKCI V., TIRAŞOĞLU E.  
 Cumhuriyet Science Journal, vol.39, pp.745-755, 2018 (Peer-Reviewed Journal)
- VII. **Süperiletken FeySe<sub>1-x</sub>Tex İnce Filmlerin Floresans Şiddet Oranları**  
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- VIII. **The Fluorescence Intensity Ratios of Superconducting FeySe<sub>1-x</sub>Tex Thin Films**  
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- IX. **Elemental content profiles in propolis from several cities of Turkey**  
 AKSOY C., Atabay M. M., TIRAŞOĞLU E., Koparan E. T., Kekillioglu A.  
 FUNCTIONAL FOODS IN HEALTH AND DISEASE, vol.7, no.8, pp.661-670, 2017 (ESCI)

- X. Elemental analysis in the white cabbage in Gümüşhane, Turkey  
 AKSOY C., TIRAŞOĞLU E., Aksoy H., DOĞAN M., Gürer E. C., Apaydın A.  
 Cumhuriyet University Faculty of Science Science Journal (CSJ), vol.35, pp.95-106, 2014 (Peer-Reviewed Journal)
- XI. Chemical effect on L shell cross sections of Ta Compounds Irradiated with 59.5 keV Photons  
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## Refereed Congress / Symposium Publications in Proceedings

- I. NATURAL RADIOACTIVITY TESTING ON LAKE FISH SAMPLES FROM KARACAÖREN II DAM LAKE  
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- II. Apaydin G., Köksal O.K., Cengiz E., Tiraşoğlu E., Baltaş H., Karabulut K., "Assessment of Natural Radioactivity and Radiological Risk of Sediment Samples in Karacaören II Dam Lake, Isparta/Turkey", TRABZON, TÜRKİYE, 12-14 Eylül 2018, pp.53-53  
 APAYDIN G., KÖKSAL O. K., CENGİZ E., TIRAŞOĞLU E., BALTAŞ H., KARABULUT K.  
 XI. International Conference on Nuclear Structure Properties, 12 - 14 September 2018
- III. Assessment of Natural Radioactivity and Radiological Risk of Sediment Samples in Karacaören II Dam Lake, Isparta/Turkey  
 APAYDIN G., KÖKSAL O. K., Cengiz E., TIRAŞOĞLU E., Baltaş H., Karabulut K.  
 XI. International Conference on Nuclear Structure Properties, Trabzon, Turkey, 12 - 14 September 2018, pp.53
- IV. K-Shell X-Ray Fluorescence Parameters of Superconducting Ag added MgTi0.06B2 bulk samples  
 Aksoy C., Tiraşoğlu E., Öztürk K., Savaşkan B., Güner B., Taylan Koparan E.  
 (NSP2018) XI. International Conference on Nuclear Structure Properties , Trabzon, Turkey, 12 September - 14 October 2018, pp.73
- V. "Radiological assesment of bottom sediment samples from East Black Sea Region, Turkey", , 24-29 Haziran 2018, pp.307-307  
 APAYDIN G., CENGİZ E., KİRİŞ E., KÖKSAL O. K., APAYDIN A., TIRAŞOĞLU E., BALTAŞ H.  
 European Conference on X-Ray Spectrometry, Ljubljana, SLOVENYA, Slovenia, 24 - 29 June 2018, pp.307
- VI. Radiological assesment of bottom sediment samples from East Black Sea Region, Turkey  
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- VII. FLUORESCENCE PARAMETERS OF SUPERCONDUCTING SNINBI LEAD FREE SOLDERS  
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- VIII. Determination of Natural Radioactivity Level of Karacaören II Dam Lake Water (Isparta,TURKEY)  
 Karabulut K., APAYDIN G., CENGİZ E., KÖKSAL O. K., Baltaş H., TIRAŞOĞLU E.  
 Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 10 September 2017, pp.547
- IX. ELEMENTAL ANALYSIS IN CHILI PEPPERS OF GAZIANTEP REGION, TURKEY  
 AKSOY C., TIRAŞOĞLU E.  
 TFD33- Uluslararası Türk Fizik Derneği kongresi, Muğla, Turkey, 6 - 10 September 2017, pp.15
- X. Chemical Components Profiles in Propolis from Several Cities of Turkey  
 AKSOY C., Atabay M., TIRAŞOĞLU E., Taylan Koparan E., Kekillioğlu A.  
 Natural Science,Engineering and Architecture (IV. IMCOFE'17), Roma, Italy, 22 - 26 August 2017, pp.512-518
- XI. THE RATIOS OF EMISSION PROBABILITIES OF AUGER ELECTRONS FOR 3d TRANSITION ELEMENTS AT 59.5 keV K.KUNDEYI , N.K. AYLIKCI, E. TIRASOGLU, A. KAHOLU AND V. AYLIKCI 62  
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- XII. Kb/Ka X-ray Intensity Ratios and Fluorescence Yields of Zn Elements in the Phthalocyanine Complexes**  
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 International Physics Conference at Anatolian Peak, Erzurum, Turkey, 25 February - 27 March 2016, pp.33
- XIII. K Shell Chemical Shifts on Co Ni Cu and Zn complexes**  
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- XIV. Alloying Effect on the K X ray Fluorescence Parameters of Zn and Cu in Zn-Cu Alloys**  
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- XV. Measurement of Mass Attenuation Coefficients for MgB<sub>2</sub> Superconductor using X-ray Energies**  
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- XVI. Attenuation coefficient of superconducting FeySe<sub>1-x</sub>Tex thin films**  
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- XVII. Influence of Bath Temperature on the X ray Fluorescence Yields of ZnxCr<sub>1-x</sub> Alloys**  
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- XVIII. Heavy Metal Concentrations In Mussels And Algeas In The Coasts Of Marmara Sea**  
 AKSOY C., DOĞAN M., TIRAŞOĞLU E., Pepe S.  
 The first international fisheries symposium in Northern Cyprus, Girne, KUZEY KİBRİS TÜRK CUM, Lefkoşa, Cyprus (Kktc), 24 - 27 March 2013
- XIX. Heavy metal concentrations in mussels and algae along the coasts of the Marmara Sea**  
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- XX. Heavy metal concentrations in mussels and algae along the coast of the Marmara Sea**  
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- XXI. Fluorescence parameters of superconducting FeySe<sub>1-x</sub>Tex thin films grown by RF sputtering**  
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- XXIII. Kantekin K-Shell Chemical Shifts on Co, Ni, Cu and Zn complexes**  
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- XXIV. Chemical Effect on L3 shell Fluorescence yield for Ta and W compounds TFD28**  
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- XXV. Chemical Effect on L shell Cross sections of Ta Compounds at 59.5 keV**  
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- XXVI. Chemical effect on L shell cross sections of Ta Compounds Irradiated with 59.5 keV**  
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- XXVII. Chemical effect on K shell cross-section of Cu compounds at 59.5 keV**  
 AYLIKÇİ V., TIRAŞOĞLU E., KANTEKİN H., APAYDIN G., CENGİZ E.  
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- XXVIII. Measurements of total atomic attenuation cross sections of Tm, Yb, Lu, Hf, Ta, W, Re and Os elements at 122keV and 136keV  
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- XXIX. Doğu Karadeniz Bölgesi İçme Sularında  $^{222}\text{Rn}$  AnaliziNevzat Damla  
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- XXX. Gross alpha and Gross beta Activities in Tap Waters of Coast Side of Trabzon  
DAMLA N., ÇEVİK U., Karahan G., TIRAŞOĞLU E., Kobya A. İ.  
World Year of Physics 2005 Turkish Physical Society 23rd International Physics Congress, Turkey, 13 - 15 January 2005

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- I. ALLOYING EFFECT ON THE K X-RAY FLUORESCENCE PARAMETERS OF ZN AND CU IN ZN-CU ALLOYS  
KÖKSAL O. K., DOĞAN M., CENGİZ E., APAYDIN G., Aylıkçı V., TIRAŞOĞLU E.  
Presentation, pp.251, 2014

## Supported Projects

TIRAŞOĞLU E., Project Supported by Higher Education Institutions, Nb,Zr,Ir,Au,Tl,Sb,Se Ve Te Elementlerine Ait Bileşiklerin X İşini Parametreleri Üzerine Kimyasal Etkilerin Araştırılması, 2009 - 2012

TIRAŞOĞLU E., Project Supported by Higher Education Institutions, Zr, Os, Ir, Pt, Au ve Tl elementlerine ait bileşiklerin X-ışını parametreleri üzerine kimyasal etkilerin araştırılması, 2008 - 2011

## Memberships / Tasks in Scientific Organizations

TÜRK FİZİK DERNEĞİ, Member, 1988 - Continues, Turkey

## Metrics

Publication: 104  
Citation (WoS): 748  
Citation (Scopus): 765  
H-Index (WoS): 17  
H-Index (Scopus): 17

## Non Academic Experience

National Education Development Project 1997 USA