

## Prof. KADİR ESMER

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AES-8519-2022

ScopusID: 6602524229

Yoksis Researcher ID: 24570

### Education Information

Doctorate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 1991 - 1996

Postgraduate, Trakya University, Fen Fakültesi, Fizik Bölümü, Turkey 1986 - 1988

Undergraduate, Ataturk University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1981 - 1985

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Occupational Health and Safety, İşyeri hekimliği ve İş Güvenliği Uzmanlığı Eğitici Belgesi, T.C. Çalışma ve Sosyal Güvenlik Bakanlığı-İş Sağlığı ve Güvenliği Genel Müdürlüğü, 2013

### Dissertations

Doctorate, Bazı İçerikli Bileşiklerde Anaörgü Konuk Molekül Etkileşmelerinin Titreşimsel Spektroskopi İle İncelenmesi, Istanbul University, 1996

Postgraduate, MnCl<sub>2</sub>, ZnCl<sub>2</sub> Tuzlarının Yapısal Faz Geçişlerinin İncelenmesi, Trakya University, Institute Of Science, Fizik, 1988

### Research Areas

Physics

### Academic Titles / Tasks

Professor, Marmara University, Faculty of Arts and Sciences, Physics, 2011 - Continues  
Associate Professor, Marmara University, Faculty of Arts and Sciences, Physics, 2009 - 2011  
Associate Professor, Kocaeli University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2006 - 2009  
Assistant Professor, Kocaeli University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1997 - 2006  
Research Assistant, Ataturk University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1991 - 1997  
Research Assistant, Istanbul University, Faculty Of Science, Department Of Physics, 1991 - 1997

## Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Marmara University, Faculty of Arts and Sciences, 2022 - Continues  
Head of Department, Marmara University, Faculty of Arts and Sciences, Physics, 2022 - Continues  
Head of Department, Marmara University, Faculty of Arts and Sciences, Physics, 2019 - 2022  
Head of Department, Marmara University, Faculty of Arts and Sciences, Physics, 2017 - 2022  
Head of Department, Yeni Yüzyıl Üniversitesi, 2014 - 2015  
Dean, Yeni Yüzyıl Üniversitesi, 2013 - 2015  
Head of Department, Kocaeli University, Fizik Bölümü, 2006 - 2009  
Deputy Head of Department, Kocaeli University, Fizik Bölümü, 1998 - 1999  
Head of Department, Kocaeli University, Fizik Bölümü, 1997 - 1998

## Advising Theses

Erdem M., Esmer K., Dy<sup>3+</sup> iyonları Katkılı Tellür esaslı camların elektriksel ve optiksel özellikleri, Postgraduate, H.ÖZGÜR(Student), 2021  
Esmer K., PMMA-baryum stronsiyum titanyum oksit katkılı kompozitlerin yapısal ve dielektrik özelliklerinin incelenmesi, Postgraduate, E.ÖZCAN(Student), 2016  
Esmer K., Farklı Oksit-Polimer Kompozitlerin Yapısal ve Dielektrik Özelliklerinin İncelenmesi, Postgraduate, G.KÖSEM(Student), 2016  
Esmer K., Farklı polimer-Na/bentonit nanokompozitlerin sentezlenmesi ve yapısal karakteristikleri, Postgraduate, E.CERİT(Student), 2013  
Esmer K., BaTiO<sub>3</sub>/PANI kompozitlerini yapısal ve dielektrik özelliklerinin incelenmesi, Postgraduate, S.SİPAHIOĞLU(Student), 2012  
Esmer K., Tiyofen bazlı organik alan etkili transistörlerin tasarlanması ve karakterizasyonu, Postgraduate, D.MALKOÇ(Student), 2012  
Esmer K., BaTiO<sub>3</sub>, Ni<sub>x</sub>Zn<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub>, Co<sub>x</sub>Zn<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub>, Mn<sub>x</sub>Zn<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub>, Cu<sub>x</sub>Ni<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub>, Cu<sub>x</sub>Co<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub> ve Cu<sub>x</sub>Mn<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub> örneklerinin elektromanyetik soğurma özelliklerinin incelenmesi, Doctorate, H.BAYRAKDAR(Student), 2011  
Esmer K., Endüstriyel ortamdan alınan silika örneklerde spektroskopik yöntemle kuvars tayini, Postgraduate, H.SEZEK(Student), 2010  
Esmer K., Gözenekli silisyumun optik ve elektriksel özelliklerine metalizasyon katkısının incelenmesi, Postgraduate, N.CEYLAN(Student), 2008  
Esmer K., Modifiye edilmiş sepiolit'in elektrik ve dielektrik özelliklerinin incelenmesi, Postgraduate, Y.KAYA(Student), 2001

## Research Infrastructure Information

Esmer K., Organik-Kompozit Malzemeler Araştırma Laboratuvarı, March 2015

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

- I. **Influence of Boron Doping on the Dielectric Characteristics of Eu<sup>3+</sup>-Doped  $\beta$ -SrTa<sub>2</sub>O<sub>6</sub> and Eu<sup>3+</sup>-Doped BaTa<sub>2</sub>O<sub>6</sub> Tungsten Bronze-Type Ceramics**  
İlhan M., Katı M. İ., ŞAHİN N., ESMER K.  
Journal of Electronic Materials, vol.53, no.10, pp.6536-6552, 2024 (SCI-Expanded)
- II. **LDPE/Bi<sub>2</sub>O<sub>3</sub> nanocomposites: Enhanced mechanical, dielectric, and optical properties**  
ŞAHİN N., BEYAZAY E., KARABUL Y., KILIÇ M., ESMER K., GÜVEN ÖZDEMİR Z.  
Journal of Applied Polymer Science, vol.141, no.12, 2024 (SCI-Expanded)
- III. **Incorporation Mechanism of Potassium in FAPbI<sub>3</sub> Perovskite Solar Cell Materials**  
ALEVLİ M., Gungor N., KAVAK P., ŞAHİN N., Corcor A., Topal I., ESMER K., ÇAKMAKÇI E., DEĞER C., YAVUZ İ.  
Journal of Physical Chemistry C, vol.128, no.7, pp.2759-2766, 2024 (SCI-Expanded)
- IV. **Investigation of Up Conversion Emissions of Er<sup>3+</sup>/Yb<sup>3+</sup> Codoped TeO<sub>2</sub>-B<sub>2</sub>O<sub>3</sub>-Nb<sub>2</sub>O<sub>5</sub>-ZnO-WO<sub>3</sub>-TiO<sub>2</sub> Glass Systems for Optical Thermometry**  
Caner T. F., Sümer I., Doğan A., ERDEM M., ESMER K., Eryürek G.  
ECS Journal of Solid State Science and Technology, vol.12, no.7, 2023 (SCI-Expanded)
- V. **Thermal and dielectric properties of flexible polyimide nanocomposites with functionalized nanodiamond and silver nanoparticles**  
Birtane H., Cigil A. B., Madakbaş S., Esmer K., Kahraman M. V.  
POLYMER BULLETIN, vol.80, no.5, pp.5353-5371, 2023 (SCI-Expanded)
- VI. **Structural and dielectrical behavior of polypyrrole/huntite composites**  
Madakbaş S., Şahin N., Türk Z., Esmer K., Şen F.  
TURKISH JOURNAL OF CHEMISTRY, vol.47, no.2, pp.321-328, 2023 (SCI-Expanded)
- VII. **Upconversion Luminescence and Temperature Sensing Characteristics of Ho<sup>3+</sup>/Yb<sup>3+</sup> co-doped Tellurite Glasses**  
Doğan A., Erdem M., Esmer K., Eryürek G.  
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.00, no.0, pp.0-9, 2021 (SCI-Expanded)
- VIII. **Structural characterization and dielectric parameters of polyindole/WO<sub>3</sub> nanocomposites**  
ERDÖNMEZ S., KARABUL Y., KILIÇ M., Ozdemir Z. G., ESMER K.  
POLYMER COMPOSITES, vol.42, no.3, pp.1347-1355, 2021 (SCI-Expanded)
- IX. **Investigation of spectral output of Er<sup>3+</sup> and Yb<sup>3+</sup>/Er<sup>3+</sup> doped TeO<sub>2</sub>-ZnO-BaO glasses for photonic applications**  
Dogan A., Yildirim S. M., ERDEM M., ESMER K., Eryürek G.  
NEW JOURNAL OF CHEMISTRY, vol.45, no.8, pp.3790-3799, 2021 (SCI-Expanded)
- X. **Structural and dielectrical properties of PMMA/TiO<sub>2</sub> composites in terms of free volume defects probed by positron annihilation lifetime spectroscopy**  
KAYA A. U., Kösem G., YENER M. D., TAV C., YAŞI U., ESMER K.  
Polymers and Polymer Composites, vol.29, pp.107-116, 2021 (SCI-Expanded)
- XI. **Structural and dielectric properties of POSS reinforced polyimide nanocomposites**  
Birtane H., Esmer K., Madakbaş S., Kahraman M. V.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.56, pp.245-252, 2019 (SCI-Expanded)
- XII. **Investigation of Dielectric Properties of Polyethylene-Clay Nanocomposites for Quantifying Nanofiller Dispersion**  
Yildirim S., Pehlivan K., Durmus A., ESMER K.  
POLYMER-KOREA, vol.42, no.5, pp.769-775, 2018 (SCI-Expanded)
- XIII. **Influence of wax content on the electrical, thermal and tribological behaviour of a polyamide 6/graphite composite**  
ÜNAL H., Kaya U. A., ESMER K., Mimaroglu A., POYRAZ B.  
JOURNAL OF POLYMER ENGINEERING, vol.36, no.3, pp.279-286, 2016 (SCI-Expanded)
- XIV. **Effects of Solution Mixing Temperature on Dielectric Properties of PMMA/Pristine Bentonite Nanocomposites**

- Kaya A. U., GÜNER S., Esmer K.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.4, 2014 (SCI-Expanded)
- XV. **Effect of different doping on the structural, morphological and magnetic properties for Cu doped nanoscale spinel type ferrites**  
Bayrakdar H., Yalcin O., Vural S., Esmer K.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.343, pp.86-91, 2013 (SCI-Expanded)
- XVI. **Preparation, characterisation, and dielectric properties of polypyrrole-clay composites**  
MADAKBAŞ S., ÇAKMAKÇI E., KAHRAMAN M. V., ESMER K.  
CHEMICAL PAPERS, vol.67, no.8, pp.1048-1053, 2013 (SCI-Expanded)
- XVII. **Mechanical, electrical and tribological properties of graphite filled polyamide-6 composite materials**  
ÜNAL H., ESMER K., MİMAROĞLU A.  
JOURNAL OF POLYMER ENGINEERING, vol.33, no.4, pp.351-355, 2013 (SCI-Expanded)
- XVIII. **Structural and Dielectric Properties of Two Different BaTiO<sub>3</sub>/Polyaniline Nanocomposites**  
Sipahioglu S., Madakbas S., Arda L., Esmer K.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.23, no.2, pp.333-339, 2013 (SCI-Expanded)
- XIX. **Adsorption and dielectric properties of poly(1-vinylimidazole) on sepiolite**  
TEKİN N., Kaya A. U., ESMER K., KARA A.  
APPLIED CLAY SCIENCE, vol.57, pp.32-38, 2012 (SCI-Expanded)
- XX. **Theoretical Studies of Molecular Structure and Vibrational Spectra of Melaminium Salt: 2,4,6-Triamino-1,3,5-triazin-1,3-ium Tartrate Monohydrate**  
Pekparlak A., AVCI D., ATALAY Y., ESMER K.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.37, no.1, pp.171-181, 2012 (SCI-Expanded)
- XXI. **Investigation of Temperature, Thermodynamic Parameters and Dielectrical Properties of Poly(vinylimidazole)-Na-Bentonite Nanocomposite**  
Kaya A. U., Esmer K., Tekin N., Beyaz S. K.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.120, no.2, pp.874-879, 2011 (SCI-Expanded)
- XXII. **Dielectric characterization of Ni<sub>x</sub>Co<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub> nanocrystals thin film over a broad frequency range (1 MHz-3 GHz)**  
Bayrakdar H., ESMER K.  
JOURNAL OF APPLIED PHYSICS, vol.107, no.4, 2010 (SCI-Expanded)
- XXIII. **Synthesis and Dielectric Properties of Poly(aniline)/Na-bentonite Nanocomposite**  
MADAKBAŞ S., ESMER K., KAYAHAN E., YUMAK M.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.17, no.3, pp.145-153, 2010 (SCI-Expanded)
- XXIV. **Thermal and Electrochemical Behaviour of Na/Bentonite-Polyaniline Nanocomposite in Different Media**  
Madakbas S., Esmer K., Ugur M. H.  
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.29, no.4, pp.269-276, 2010 (SCI-Expanded)
- XXV. **Influence of alkali metallization (Li, Na and K) on photoluminescence properties of porous silicon**  
ESMER K., KAYAHAN E.  
APPLIED SURFACE SCIENCE, vol.256, no.5, pp.1548-1552, 2009 (SCI-Expanded)
- XXVI. **Molecular Structure, Vibrational Spectra and Chemical Shift Properties of C<sub>12</sub>H<sub>9</sub>ClO<sub>4</sub> and C<sub>2</sub>H<sub>9</sub>BrO<sub>4</sub> Crystals by Density Functional Theory and ab initio Hartree-Fock Calculations**  
Gunay N., TARCAN E., Avci D., Esmer K., Atalay Y.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.64, no.11, pp.745-752, 2009 (SCI-Expanded)
- XXVII. **Calculated on H-1 and C-13 NMR Chemical Shifts of 2,4-Difluorobenzaldehyde Isonicotinoylhydrazone and 2,3-Dichlorobenzaldehyde Isonicotinoylhydrazone with GIAO, IGAIM, and CSGT Models**  
Guenay N., Tarcan E., Avci D., Coemert H., Esmer K., Atalay Y.  
CONCEPTS IN MAGNETIC RESONANCE PART A, no.5, pp.297-304, 2009 (SCI-Expanded)

- XXVIII. **Levitation-Free Vibrated Droplets: Resonant Oscillations of Liquid Marbles**  
McHale G., Elliott S. J., Newton M. I., Herbertson D. L., Esmer K.  
LANGMUIR, vol.25, no.1, pp.529-533, 2009 (SCI-Expanded)
- XXIX. **Dielectrical Properties of a Novel Porcelain Produced from Natural Clay, Waste Glass and Fly Ash**  
TOPLAN H. Ö., Okutan M., ESMER K., ATALAY Y., Yuruyen S., TARCAN E.  
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.28, pp.55-65, 2009 (SCI-Expanded)
- XXX. **Molecular Structure, Vibrational Spectra and Chemical Shift Properties of C<sub>12</sub>H<sub>9</sub>ClO<sub>4</sub> and C<sub>2</sub>H<sub>9</sub>BrO<sub>4</sub> Crystals by Density Functional Theory and ab initio Hartree-Fock Calculations**  
Uyanık C., ESMER K., AVCI D., TARCAN E., Çelik T., ATALAY Y.  
ZEITSCHRIFT FUER NATURFORSCHUNG, A, A JOURNAL OF PHYSICAL SCIENCES, vol.64, no.11, pp.745-752, 2009 (SCI-Expanded)
- XXXI. **Ag-metallization effects on optical and electrical properties of porous silicon**  
KAYAHAN E., Ceylan N., Esmer K.  
APPLIED SURFACE SCIENCE, vol.255, no.5, pp.2808-2812, 2008 (SCI-Expanded)
- XXXII. **Structural and Dielectrical Properties of MnO<sub>2</sub>-V<sub>2</sub>O<sub>5</sub>-SnO Mixed Oxides System at 1023 K**  
TARCAN E., KADİROĞLU Ü., Atalay Y., Esmer K.  
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.27, no.3, pp.141-149, 2008 (SCI-Expanded)
- XXXIII. **The effect of pH on adsorption of linear alkyl benzene sulphonate by bentonite**  
Saglam H. B., Esmer K., TARCAN E., ZOR S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.16, pp.1643-1647, 2007 (SCI-Expanded)
- XXXIV. **Effects of different amount of As<sub>2</sub>O<sub>3</sub> and TiO<sub>2</sub> on the chemical, physical and electrical properties of the base material MnO<sub>2</sub>**  
Esmer K., Kadiroglu U., Tarcan E., Kayan A.  
MATERIALS LETTERS, vol.59, no.10, pp.1125-1129, 2005 (SCI-Expanded)
- XXXV. **Measurement of angular dependence from L(3-)subshell to M-shell vacancy transfer probabilities for the elements in the atomic region 71 ≤ Z ≤ 78**  
Ozdemir Y., Durak R., Esmer K., Ertugrul M.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.90, no.2, pp.161-168, 2005 (SCI-Expanded)
- XXXVI. **Electrical and dielectrical properties of the MnO<sub>2</sub> doped with As<sub>2</sub>O<sub>3</sub> and SnO**  
Kayan A., Tarcan E., Kadiroglu U., Esmer K.  
MATERIALS LETTERS, vol.58, no.16, pp.2170-2174, 2004 (SCI-Expanded)
- XXXVII. **Electrical conductivity and dielectric behaviour of modified sepiolite clay**  
Esmer K.  
APPLIED CLAY SCIENCE, vol.25, pp.17-22, 2004 (SCI-Expanded)
- XXXVIII. **The adsorption of anionic and cationic surfactants by the different clay minerals: FTIR spectroscopic study**  
Esmer K., Tarcan E.  
SPECTROSCOPY LETTERS, vol.34, no.4, pp.443-451, 2001 (SCI-Expanded)
- XXXIX. **Current-voltage characteristics and aging of sepiolite oriented by magnetic field**  
Esmer K., Yeniyol M.  
MATERIALS LETTERS, vol.38, no.6, pp.445-449, 1999 (SCI-Expanded)
- XL. **FTIR spectroscopic investigation of molecules of some gases being adsorbed by bentonites**  
Esmer K., Yagci L., Saygin N., Gungor N.  
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.57, no.6, pp.330-334, 1998 (SCI-Expanded)
- XLI. **Electrical conductivity of modified bentonites and FT-IR spectroscopic investigations of some aromatic molecules adsorbed by bentonites**  
Esmer K.  
MATERIALS LETTERS, vol.34, pp.398-404, 1998 (SCI-Expanded)
- XLII. **FOURIER-TRANSFORM RAMAN AND FOURIER-TRANSFORM IR SPECTROSCOPIC INVESTIGATION OF PYRAZINE ADSORBED BY SEPIOLITE AND BENTONITE FROM ANATOLIA**

## Articles Published in Other Journals

- I. **Structural and Dielectric Properties of Eu<sup>3+</sup>, B<sup>3+</sup> co-doped CoNb<sub>2</sub>O<sub>6</sub> Ceramic**  
İlhan M., Ekmekçi M. K., Esmer K.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.11, no.2, pp.765-774, 2024 (Scopus)
- II. **Spectral Investigation of Yb<sup>3+</sup>/Ho<sup>3+</sup>/Tm<sup>3+</sup>:Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> Upconverting Nanophosphors for the Usage of Temperature Sensing**  
ERDEM M., ESMER K., Eryürek G.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.10, no.1, pp.55-62, 2023 (Scopus)
- III. **Molecular structure and vibrational and chemical shift assignments of 2 $\alpha$ ,8-dihydroxy-1 $\beta$ -methoxy-p-menthane by dft and ab initio hf calculations**  
Uyanık C., Esmer K., Avcı D., Tarcan E., Çelik T., Atalay Y.  
Sakarya Üniversitesi Fen Edebiyat Dergisi, vol.10, no.2, pp.93-107, 2008 (Peer-Reviewed Journal)
- IV. **Molecular structure and vibrational and chemical shift assignments of cis-1,2dihydroxy-trans-3-methoxy-1,5,5-trimethylcyclohexane and cis-2,3-dihydroxy-trans-1-methoxy-1,5,5- by fdt and ab initio hf calculations**  
Uyanık C., Atalay Y., Avcı D., Tarcan E., Cömert H., Esmer K.  
Sakarya Üniversitesi Fen Edebiyat Dergisi, vol.10, no.2, pp.65-81, 2008 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Spectral Properties of Er<sup>3+</sup>/Yb<sup>3+</sup> CO-Doped TeO<sub>2</sub>-B<sub>2</sub>O<sub>3</sub>-Nb<sub>2</sub>O<sub>5</sub>-ZnO-WO<sub>3</sub>-TiO<sub>2</sub> Glass Systems**  
CANER T. F., Sümer I., Doğan A., ERDEM M., ESMER K., ERYÜREK G.  
International Black Sea Modern Scientific Research Congress, Turkey, 29 September 2022
- II. **Tungsten Trioxide Reinforced Epoxy Composites with Increased Dielectric Permittivity and Conductivity**  
ŞAHİN N., KARABUL Y., KILIÇ M., GÜVEN ÖZDEMİR Z., ESMER K.  
TURKISH PHYSICAL SOCIETY 38 th INTERNATIONAL PHYSICS CONGRESS, Turkey, 31 August - 04 September 2022
- III. **OPTICAL AND DIELECTRIC PROPERTIES OF Dy<sup>3+</sup> DOPED TeO<sub>2</sub>-TiO<sub>2</sub>-ZnO-WO<sub>3</sub> GLASSES**  
Özgür H., Şahin N., Erdem M., Esmer K.  
3. HAGIA SOPHIA INTERNATIONALCONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC STUDIES, 15 - 16 September 2021, pp.205
- IV. **EFFECT OF Nb<sub>2</sub>O<sub>5</sub> ON THE OPTICAL AND DIELECTRIC PROPERTIES OF TELLURITE GLASS SYSTEMS ACTIVATED WITH Dy<sup>3+</sup> IONS**  
Şahin N., Özgür H., Erdem M., Esmer K.  
3. HAGIA SOPHIA INTERNATIONALCONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC STUDIES, 15 - 16 September 2021, pp.204
- V. **DOWNCONVERSION LUMINESCENCE PROPERTIES OF Yb<sup>3+</sup>/Pr<sup>3+</sup> DOPED TeO<sub>2</sub>-ZnO-BaO GLASS SYSTEMS**  
Doğan A., ERDEM M., ESMER K., ERYÜREK G.  
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Erzurum, Turkey, 10 September 2021
- VI. **UP CONVERSION LUMINESCENCE CHARACTERISTICS OF Yb<sup>3+</sup>/Er<sup>3+</sup> DOPED TELLURITE BASED GLASSES**  
CANER T. F., ERDEM M., ESMER K., ERYÜREK G.  
1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES (ISFAS-

2021), Erzurum, Turkey, 10 September 2021

**VII. CLEAN LIGHT TECHNOLOGY**

ESMER K., İnce M., Ergün M. A., HARPUT S.

BSW2018 Seventh Bozok Science Workshop: Boron and Boron Containing Nanomaterials with Applications, 8 - 10 August 2018

**VIII. DIELECTRIC PROPERTIES OF POSS/ POLYIMIDE NANOCOMPOSITES**

MADAKBAŞ S., CEYLAN H., ESMER K., KAHRAMAN M. V.

4th International Conference on New Trends in Chemistry, 11 - 13 May 2018

**IX. Polimer/Kil Nanokompozitlerin Dielektrik Özellikleri**

ESMER K.

ElektroseramikTR, Turkey, 2 - 03 November 2017

**X. Polyetilen Katkılı Ham Bentonitin Yapısal Dielektrik Özelliklerinin İncelenmesi**

GÜNER S., KAYA A. U., ESMER K.

17. Kil Sempozyumu, Muğla, Turkey, 4 - 07 October 2017

**XI. POLYETİLEN KATKILI HAM BENTONİTİN YAPISAL VE DİELEKTRİK ÖZELLİKLERİNİN İNCELENMESİ**

GÜNER S., KAYA A. U., ESMER K.

17. ULUSAL KİL SEMPOZYUMU, Muğla, Turkey, 4 - 07 October 2017, pp.228

**XII. SPECTROSCOPIC CHARACTERIZATION AND NONLINEAR OPTICAL PROPERTIES OF THE MOLECULES CONTAINING THIOSEMICARBAZIDE**

TAMER Ö., TOPRAK M., KALKAN N., ESMER K.

TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017

**XIII. Thermal and Dielectric Properties of Polypyrrole Clay**

ŞEN F., MADAKBAŞ S., KAHRAMAN M. V., ESMER K.

Sixth Bozok Science Workshop Studies from Nuclei to Nanomaterials with Application, 23 - 25 August 2017

**XIV. UV RADYASYONA MARUZ BIRAKILAN PMMA BARYUM STRONSİYUM TİTANYUM OKSİT KATKILI KOMPOZİTLERİN YAPISAL VE DİELEKTRİK ÖZELLİKLERİNİN İNCELENMESİ**

Özcan E., Kösem G., Tarhan B., KAYA A. U., ESMER K.

32nd Turkish Physical Society International Physics Congress, 6 - 09 September 2016

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ÖLÇME, SEÇME VE YERLEŞTİRME MERKEZİ BAŞKANLIĞI

Other Public Institution, T.C. ÖLÇME, SEÇME VE YERLEŞTİRME MERKEZİ BAŞKANLIĞI, ÖSYM İstanbul Sınav Merkezi  
MİLLİ EĞİTİM BAKANLIĞI